Arboricultural Impact Assessment

Project:
Plenty Valley Christian College - New Primary Building & Block P6a Expansion

Site Address:
Plenty Valley Christian College
840 Yan Yean Rd, Doreen

Prepared for:
Co-Op Studio

Prepared by:
Matthew P James
MUrbanHort (studying)
GradCertArb
DipArb

Submitted: 04/03/2026

Table of Contents

Document Control

Table 1. Document Control

Version	Author	Date	Amendment
1	Matthew P James	02/03/2026	Null
2	Matthew P James	04/03/2026	Planning Controls

Introduction

Melbourne Tree Care was contracted by Co-Op Studio to undertake an arboricultural impact assessment for trees that may be impacted by proposed works within the subject site.

Aim of report

The intention of this report is to:

- Assess trees located within the subject site that that may be impacted by a proposed development.
- State the notional root zones (NRZ) and structural root zones (SRZ) of all trees.
- Assess the impact of the proposed development for all trees.
- Provide recommendations on the removal or retention of trees based on the impact assessment.

Methodology

- Lachlan J Egan of Melbourne Tree Care attended site on the 11th of December 2025.
- All trees within the assessment area with a mature height greater than five metres were assessed.
- Trees were grouped where they are densely planted and are of the same species and/or are of similar size.
- Data collected for each tree was their current size (DSH, DaB, crown spread, height), condition (health and structure), ULE (useful life expectancy), retention value, NRZ, and SRZ.
- Tree data and numbering is continued from the previously submitted Preliminary Arboriculture Assessment (Melbourne Tree Care, 2025) carried out for this project.
- DSH (Diameter at Standard Height) was measured at 1.4 metres using a diameter tape.
- DaB (Diameter at Base) was measure above the root flare using a diameter tape.
- Tree height and canopy spread were estimated.
- Trees were plotted using a Trimble® Catalyst™ GNSS positioning service with an accuracy of ~1 cm.
- Data was recorded using Tree Plotter.
- NRZs and SRZs were calculated in accordance with Australian Standard 4970-2025 Protection of trees on development sites.
- Tree impacts calculated using GIS software.

Documents Reviewed

- E.S. (2026, February 11) *Ground Landscape Plan* (Drawing no. GR00) [Construction Drawing].
- Co-Op Studio. (2026, February 20) *Site Plan - Proposed* (Drawing no. TP101 rev. A) [Construction Drawing].
- Co-Op Studio. (2026, February 20) *Proposed Ground Floor Plan* (Drawing no. TP201 rev. A) [Construction Drawing].
- Co-Op Studio. (2026, February 20) *Proposed Lower Ground Floor Plan* (Drawing no. TP200 rev. A) [Construction Drawing].

Planning Controls

The subject site is located in Nillumbik Shire Council Special Use Zone – Schedule 3 (SUZ3). Three planning overlays are present:

- Environmental Significance Overlay – Schedule 1 (ESO1)
- Public Acquisition Overlay – PS Map Ref PAO1 (PAO1)
- Specific Controls Overlay – PS Map Ref SCO13 (SCO13)

Vegetation Controls

Nillumbik General Local Law 1

A permit is required to *remove, destroy, damage, interfere or kill a '**substantial tree**'. A 'substantial tree' means a tree or palm that has a:*

- *trunk circumference of 50cm or greater measured at one metre above ground level;*
- *total circumference of all its trunks of 50cm or greater measured at one metre above ground level;*
- *trunk circumference of 50cm or greater measured at its base; or*
- *trunk circumference of all its trunks of 50cm or greater measured at its base.*

Note: The local law only applies to residential land in Nillumbik within the Urban Growth Boundary and that is not identified as a Bushfire Prone Area (BPA). The Subject Site is not residential land, is not within the UGB and is identified as BPA. Therefore, Nillumbik General Local Law 1 is not relevant to the Subject Site.

Environmental Significance Overlay – Schedule 1 (ESO1)

A permit is *not required to remove, destroy or lop any vegetation if:*

- *The vegetation is identified as a pest plant in the Shire of Nillumbik Environmental Weed List 2009 as incorporated in this scheme.*
- *The vegetation is dead. This exemption does not apply to standing dead trees with a trunk diameter of 40 centimetres or more at a height of 1.3 metres above ground level.*

- *The vegetation is Kunzea leptospermoides (Yarra Burgan) and is being removed for fire prevention purposes.*
- *The vegetation has been planted or grown for aesthetic or amenity purposes, including: agroforestry (the simultaneous and substantial production of forest and other agricultural products from the same land unit), shelter belts, woodlots, street trees, gardens or the like.*

Note: The part of the subject site proposed to be developed is not within the curtilage of the ESO1 and so the planning overlay is not relevant to the planning application.

52.17

The subject site is greater than 4,000 m², triggering clause 52.17 of the Victorian Planning Scheme. Pursuant to clause 52.17, a permit is required to remove, destroy, or lop native vegetation. There is an exemption within the clause that states a permit is not required when:

- *Lopping or pruning native vegetation, for maintenance only, provided no more than 1/3 of the foliage of each individual plant is lopped or prune;*
- *Native vegetation that is to be removed, destroyed or lopped that was either planted or grown as a result of direct seeding. This exemption does not apply to native vegetation planted or managed with public funding for the purpose of land protection or enhancing biodiversity unless the removal, destruction or lopping of the native vegetation is in accordance with written permission of the agency (or its successor) that provided the funding.*

Note: Nillumbik Council's Planning Department was contacted on 8 January 2026 to discuss whether the planned vegetation removals required to enable the development would need a planning permit or local law permit. It was confirmed that:

- Planted vegetation does not trigger a permit for removal under Clause 52.17 Native Vegetation.
- If the vegetation in question is not within the curtilage of the ESO1, this planning overlay is not relevant
- Nillumbik General Local Law 1 is not relevant because the subject site is not residential land, is not within the UGB and is identified as BPA.

Table 2. Individual Tree Permit Status

Tree Id	Botanical Name	Origin	Local Law Permit	52.17	ESO1
297	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
298	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
299	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
300	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
301	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
302	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
303	*Lagerstroemia indica*	Exotic	N/A	No - Exotic	N/A
304	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A

Tree Id	Botanical Name	Origin	Local Law Permit	52.17	ESO1
305	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
308	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
309	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
311	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
314	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
315	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
316	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
317	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
318	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
319	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
321	*Eucalyptus sp.*	Aus. Native	N/A	No - Planted	N/A
322	*Corymbia citriodora*	Aus. Native	N/A	No - Planted	N/A
323	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
324	*Allocasuarina verticillata*	Vic. Native	N/A	No - Planted	N/A
325	*Allocasuarina verticillata*	Vic. Native	N/A	No - Planted	N/A
326	*Allocasuarina verticillata*	Vic. Native	N/A	No - Planted	N/A
327	*Allocasuarina verticillata*	Vic. Native	N/A	No - Planted	N/A
328	*Eucalyptus sideroxylon*	Vic. Native	N/A	No - Planted	N/A
329	*Eucalyptus sideroxylon*	Vic. Native	N/A	No - Planted	N/A
330	*Eucalyptus sideroxylon*	Vic. Native	N/A	No - Planted	N/A
331	*Grevillea sp.*	Aus. Native	N/A	No - Planted	N/A
332	*Acer saccharum*	Exotic	N/A	No - Exotic	N/A
335	*Acacia implexa*	Vic. Native	N/A	No - Planted	N/A
337	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
338	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
339	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
340	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
341	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
342	*Corymbia maculata*	Vic. Native	N/A	No - Planted	N/A
344	*Acacia implexa*	Vic. Native	N/A	No - Planted	N/A
345	*Acacia pycnantha*	Vic. Native	N/A	No - Planted	N/A
346	*Hakea salicifolia*	Aus. Native	N/A	No - Planted	N/A
470	*Eucalyptus cladocalyx*	Aus. Native	N/A	No - Planted	N/A
471	*Casuarina cunninghamiana*	Aus. Native	N/A	No - Planted	N/A
472	*Casuarina cunninghamiana*	Aus. Native	N/A	No - Planted	N/A
473	*Casuarina cunninghamiana*	Aus. Native	N/A	No - Planted	N/A
474	*Casuarina cunninghamiana*	Aus. Native	N/A	No - Planted	N/A
475	*Acer saccharum*	Exotic	N/A	No - Exotic	N/A
476	*Acer saccharum*	Exotic	N/A	No - Exotic	N/A

Impact Assessment

A total of 47 individual trees or groups of trees were assessed for this report. The trees comprise of juvenile, semi mature and mature specimens that are Victorian native, Australian native, and exotic in origin. Two trees display attributes that warrant a high retention value, 18 trees have a medium retention value, and 27 trees have a low retention value. See Appendix A for individual tree data.

The proposed development is the New Primary Building & Block P6a Expansion. The works include the construction of a new building and landscaping. See below for the arboricultural impact assessment drawing and Table 3 for the individual tree encroachment calculations.

Encroachment classes:

- Minor – <10% encroachment into the NRZ.
- Moderate – ≥10%-20% encroachment into the NRZ.
- Major – ≥20% encroachment into the NRZ and/or any encroachment into the SRZ.

No Impact

- There will be no impact to the NRZ or SRZ of trees 297-305, 308, 309, 311, 314-319, 321, 326, 332, 335, 346, 475, and 476. These trees can be retained.
- While there will be no impact into the NRZ or SRZ of Tree 342, this tree is shown on the supplied plans as being removed.

Minor Encroachment

- The NRZ of Tree 337 will be encroached by 6% by the proposed building. While this is considered a minor encroachment per AS4970-2025, this tree is show on the supplied plans as being removed.

Moderate Encroachment

- The NRZ of Tree 328 will be encroached by 14% by the proposed building, and this is considered a moderate encroachment per AS4970-2025. This tree presents in fair health and can likely tolerate this level of encroachment. Arborist supervision and tree protection measures will be required during the construction process to ensure the tree is not impacted by the proposed works, and it is expected the tree will be able to be retained and remain viable during and after works.
- The NRZ of Tree 470 and Tree 473 will be encroached by 18% and 13% respectively by the proposed landscaping. Both trees present in fair to good health, and can likely tolerate this level of encroachment. Furthermore, the works are landscaping and can be considered a "soft" impact as there will still be permeability to the root system of these trees. Arborist supervision and tree protection measures will be required during the construction process to ensure the trees are not impacted by the proposed works, and it is expected the trees will be able to be retained and remain viable during and after works.

email: info@melbournetreecare.com.au
web: www.melbournetreecare.com.au

Major Encroachment

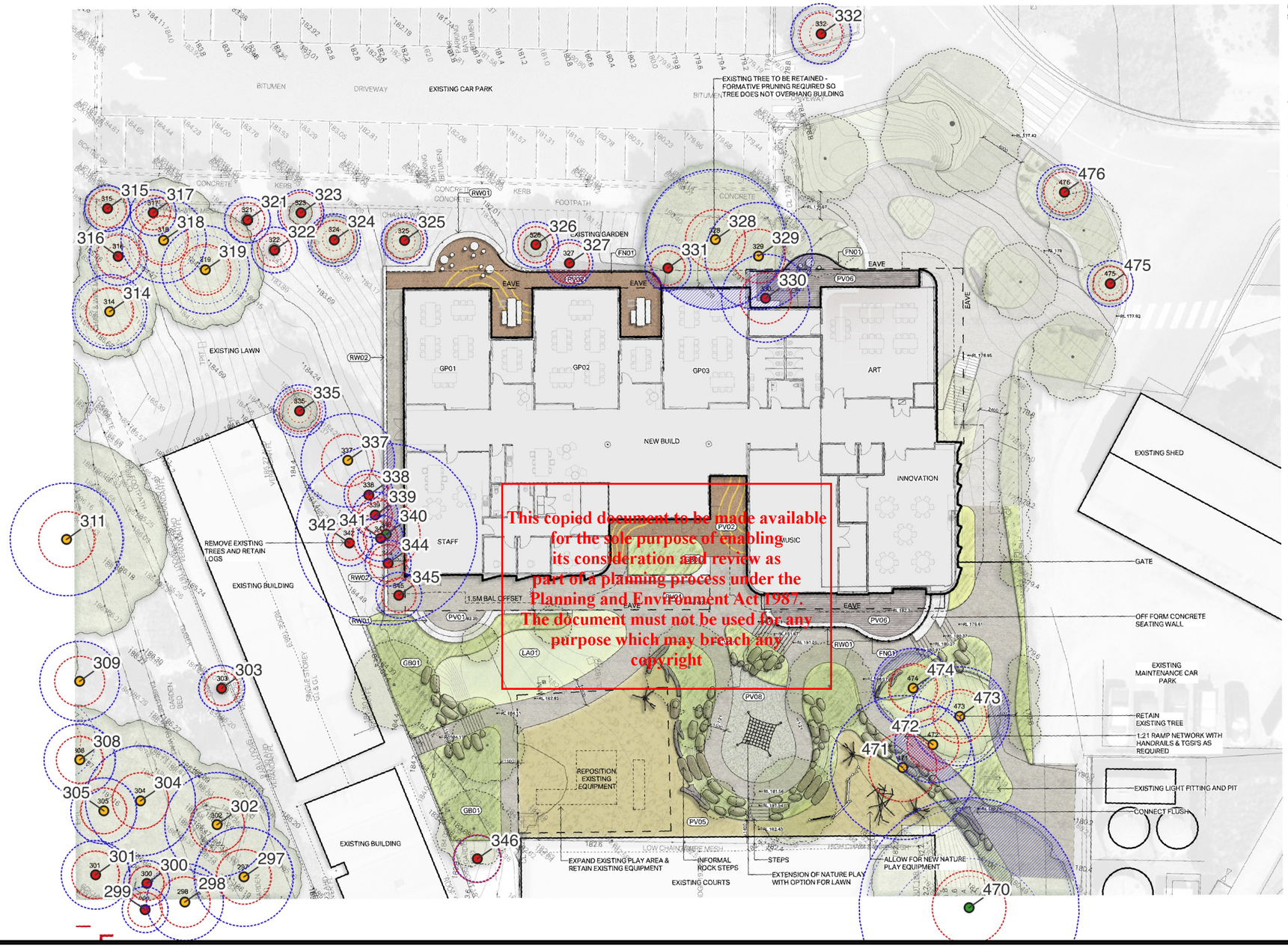
- The NRZ of Tree 474 will be encroached by 17% by the proposed landscaping. The SRZ is also encroached by 1%, and this is considered a major per AS4970-2025. The tree present in fair health, and can likely tolerate this level of encroachment. Furthermore, the works are landscaping and can be considered a "soft" impact as there will still be permeability to the root system of these trees. Arborist supervision and tree protection measures will be required during the construction process to ensure the trees are not impacted by the proposed works, and it is expected the trees will be able to be retained and remain viable during and after works.
- The NRZ of trees 327, 329, 331, 338, 339, 341, and 472 will be encroached by 13%-40% by the proposed building and/or landscaping works. The SRZ of each tree is also encroached by 8%-36%. It is likely that the proposed works will adversely impact the health and structural integrity of these trees, and their removal will be required to facilitate the proposed development.
- Trees 330, 340, 344, 345, and 471 are within the construction envelope and will require removal to facilitate the proposed development.

Table 3. Individual Encroachments

Tree Id	Botanical name	NRZ (m)	NRZ Encroachment	SRZ Encroachment	SRZ (m)	Encroachment Part	Encroachment Class	Retention Status
297	*Corymbia citriodora*	4.32	None	None	2.39	None	None	Retain
298	*Corymbia citriodora*	3.36	None	None	2.2	None	None	Retain
299	*Corymbia citriodora*	2	None	None	1.5	None	None	Retain
300	*Corymbia citriodora*	2	None	None	1.5	None	None	Retain
301	*Corymbia citriodora*	3	None	None	2.08	None	None	Retain
302	*Corymbia citriodora*	4.56	None	None	2.39	None	None	Retain
303	*Lagerstroemia indica*	2	None	None	1.5	None	None	Retain
304	*Corymbia citriodora*	4.8	None	None	2.45	None	None	Retain
305	*Corymbia citriodora*	2.88	None	None	2	None	None	Retain
308	*Corymbia citriodora*	3.12	None	None	2.05	None	None	Retain
309	*Corymbia citriodora*	3.48	None	None	2.18	None	None	Retain
311	*Corymbia citriodora*	4.92	None	None	2.43	None	None	Retain
314	*Corymbia citriodora*	3.24	None	None	2.08	None	None	Retain
315	*Corymbia citriodora*	2	None	None	1.65	None	None	Retain
316	*Corymbia citriodora*	2.52	None	None	1.88	None	None	Retain
317	*Corymbia citriodora*	2	None	None	1.5	None	None	Retain
318	*Corymbia citriodora*	3.72	None	None	2.15	None	None	Retain
319	*Corymbia citriodora*	3.84	None	None	2.2	None	None	Retain
321	*Eucalyptus sp.*	2	None	None	1.5	None	None	Retain
322	*Corymbia citriodora*	2	None	None	1.5	None	None	Retain
323	*Corymbia maculata*	2	None	None	1.79	None	None	Retain
324	*Allocasuarina verticillata*	2.29	None	None	1.72	None	None	Retain
325	*Allocasuarina verticillata*	2	None	None	1.65	None	None	Retain
326	*Allocasuarina verticillata*	2	None	None	1.57	None	None	Retain
327	*Allocasuarina verticillata*	2.04	29.60%	28.02%	1.75	Building	Major	Remove
328	*Eucalyptus sideroxylon*	6.12	13.67%	None	2.61	Building	Moderate	Retain

Tree Id	Botanical name	NRZ (m)	NRZ Encroachment	SRZ Encroachment	SRZ (m)	Encroachment Part	Encroachment Class	Retention Status
329	*Eucalyptus sideroxylon*	4.68	31.33%	17.64%	2.34	Building	Major	Remove
330	*Eucalyptus sideroxylon*	3.84	Envelope	Envelope	2.23	Building	Major	Remove
331	*Grevillea sp.*	2	14.28%	4.82%	1.5	Building	Major	Remove
332	*Acer saccharum*	2.64	None	None	1.85	None	None	Retain
335	*Acacia implexa*	2.28	None	None	1.79	None	None	Retain
337	*Corymbia maculata*	4.08	6.32%	None	2.28	Building	Minor	Remove*
338	*Corymbia maculata*	2.16	13.22%	8.15%	1.82	Building	Major	Remove
339	*Corymbia maculata*	2	25.69%	18.64%	1.5	Building	Major	Remove
340	*Corymbia maculata*	7.92	Envelope	Envelope	2.95	Building	Major	Remove
341	*Corymbia maculata*	2	39.28%	36.04%	1.5	Building	Major	Remove
342	*Corymbia maculata*	2	None	None	1.5	None	None	Remove*
344	*Acacia implexa*	2	Envelope	Envelope	1.61	Building	Major	Remove
345	*Acacia pycnantha*	2	Envelope	Envelope	1.5	Building	Major	Remove
346	*Hakea salicifolia*	2.04	None	None	2.08	None	None	Retain
470	*Eucalyptus cladocalyx*	9.6	18.21%	None	3.22	Landscaping	Moderate	Retain
471	*Casuarina cunninghamiana*	6.29	Envelope	Envelope	2.97	Landscaping	Major	Remove
472	*Casuarina cunninghamiana*	3.34	40.19%	36.17%	2.25	Landscaping	Major	Remove
473	*Casuarina cunninghamiana*	4.32	13.23%	None	2.34	Landscaping	Moderate	Retain
474	*Casuarina cunninghamiana*	3.48	17.38%	1.38%	2.13	Landscaping	Major	Retain
475	*Acer saccharum*	2	None	None	1.5	None	None	Retain
476	*Acer saccharum*	2.4	None	None	1.79	None	None	Retain

ADVERTISED PLAN



LEGEND

DRAWING SYMBOLS
- EXISTING TREES TO BE RETAINED
- PROPOSED TREES
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION ZONE
- TREE SRZ ZONE
- TITLE BOUNDARY
- + EX 0.00 EXISTING LEVEL
- + RL 0.00 RELATIVE LEVEL
- + FFL 0.00 FINISHED FLOOR LEVEL

SOFT LANDSCAPE
- LA01 LAWN
- GB01 GARDEN BED
- GB02 GARDEN BED - GRAVEL
- RECLAIMED HABITAT LOG
- LANDSCAPE LOG
- LANDSCAPE BOULDERS
- SAWN STONE STEPPERS
- GRINDING STONE

PAVEMENT TYPES
- PV01 EXPOSED AGG. CONCRETE TYPE 1
- PV02 COLOURED CONCRETE
- PV03 ASPHALT
- PV04 MULCH SOFTFALL
- PV05 MULCH SURFACE
- PV06 TIMBER DECK
- PV07 CEMENT STABILISED TOPPINGS
- PV08 RUBBER SOFTFALL

LANDSCAPE WALLS
- RW01 OFF FORM CONCRETE SEATING WALL
- RW02 SLEEPER RETAINING WALL

FIXTURES
- FX01 PLINTH BENCH
- FX02 PLATFORM SEATING

PLAY EQUIPMENT
- EQ01 SQUARE NET
- EQ02 NEST STRUCTURE
- EQ03 CUBBY STRUCTURE
- EQ04 BALANCE BEAM

FENCES
- FN01 BALUSTRADE

Arboricultural Impact Assessment

Project: Plenty Valley Christian College - New Primary Building & Block P6a Expansion

Site Address
840 Yan Yean Rd, Doreen

Drawing No. 01

Date
02/03/2026

Scale
1:400 @A3

Prepared By
Matthew P James

Notes
- Original drawing obtained from client
- NRZs and SRZs calculated as per AS4970-2025

0 10 20 m

Legend

Retention Value	
High	NRZ
Medium	SRZ
Low	NRZ Encroachment
	SRZ Encroachment

Melbourne Tree Care PTY LTD

Richmond, Victoria
Australia 3121

Email: info@melbournetreecare.com.au

Conclusion

A total of 47 individual trees or groups of trees were assessed to determine their impact in regard to proposed development within the subject site. The impact assessment has determined:

- There will be no encroachment into the NRZ or SRZ of 30 trees located within the subject site: 29 of these trees can be retained, and one tree is shown as being removed on the supplied plans.
- There will be a minor encroachment into the NRZ of one tree. This tree is shown as being removed on the supplied plans.
- Three trees will have a moderate encroachment into their NRZ. It is expected these trees can tolerate this level of encroachment if all works are supervised by the project arborist and tree protection measures are implemented.
- Thirteen trees have a major encroachment into their NRZ and/or SRZ: one tree can likely tolerate this level of encroachment and be retained due to the works being landscaping works; seven trees will require removal as they will likely not tolerate this level of encroachment; and five trees are within the construction envelope and will require removal.

Recommendations

- Tree protection specifications (TPS) and a tree protection plan (TPP) are recommended to ensure all retained trees remain viable during and after the proposed development.
- A project arborist must be appointed and supervise all works where the NRZ and/or SRZ is encroached for retained trees.

Appendix A: Individual Tree Data

Tree Id: 297 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 36

Common Name: Lemon-scented Gum **DaB (cm):** 46

Tree Height (m): 13 **Canopy Spread (m):** 10

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 4.32 **SRZ (m):** 2.39

Observations: Previous codominant stem failure. Tension wound on low northern branch.

Encroachment: None **Retention Status:** Retain

Tree Id: 298 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 28

Common Name: Lemon-scented Gum **DaB (cm):** 38

Tree Height (m): 12 **Canopy Spread (m):** 8

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Semi-mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 3.36 **SRZ (m):** 2.2

Observations: Previous failures.

Encroachment: None **Retention Status:** Retain

Tree Id: 299 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 6

Common Name: Lemon-scented Gum **DaB (cm):** 9

Tree Height (m): 5 **Canopy Spread (m):** 2

Health: Good **Structure:** Good

Origin: Aus. Native **Age:** Juvenile **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 300 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 10

Common Name: Lemon-scented Gum **DaB (cm):** 15

Tree Height (m): 3 **Canopy Spread (m):** 2

Health: Good **Structure:** Poor

Origin: Aus. Native **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Regrowth on old stump.

Encroachment: None **Retention Status:** Retain

Tree Id: 301 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 25

Common Name: Lemon-scented Gum **DaB (cm):** 33

Tree Height (m): 9 **Canopy Spread (m):** 7

Health: Fair **Structure:** Poor

Origin: Aus. Native **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 3 **SRZ (m):** 2.08

Observations: Included codominant stems. Exudates

Encroachment: None **Retention Status:** Retain

Tree Id: 302 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 38

Common Name: Lemon-scented Gum **DaB (cm):** 46

Tree Height (m): 14 **Canopy Spread (m):** 10

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 4.56 **SRZ (m):** 2.39

Observations: Exudates. Previous failures

Encroachment: None **Retention Status:** Retain

Tree Id: 303 **Location:** Onsite

Botanical Name: *Lagerstroemia indica* **DSH (cm):** 0

Common Name: Crepe Myrtle **DaB (cm):** 3

Tree Height (m): 1 **Canopy Spread (m):** 1

Health: Fair **Structure:** Good

Origin: Exotic **Age:** Juvenile **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Group of trees. In decline

Encroachment: None **Retention Status:** Retain

Tree Id: 304 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 40

Common Name: Lemon-scented Gum **DaB (cm):** 49

Tree Height (m): 13 **Canopy Spread (m):** 13

Health: Fair **Structure:** Poor

Origin: Aus. Native **Age:** Mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 4.8 **SRZ (m):** 2.45

Observations: In decline. Thin canopy. Reduced leaf size. Canker. Wounds. Exudates.

Encroachment: None **Retention Status:** Retain

Tree Id: 305 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 24

Common Name: Lemon-scented Gum **DaB (cm):** 30

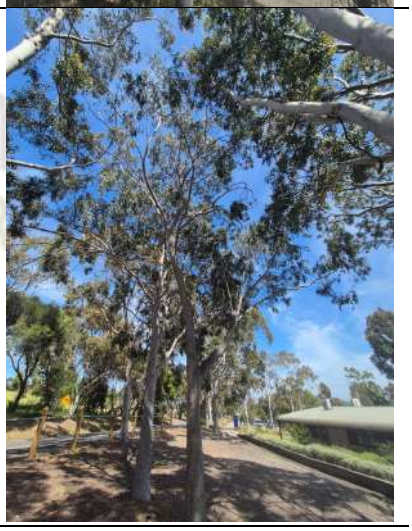
Tree Height (m): 10 **Canopy Spread (m):** 7

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 2.88 **SRZ (m):** 2

Observations:



Encroachment: None **Retention Status:** Retain

Tree Id: 308 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 26

Common Name: Lemon-scented Gum **DaB (cm):** 32

Tree Height (m): 11 **Canopy Spread (m):** 9

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 3.12 **SRZ (m):** 2.05

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 309 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 29

Common Name: Lemon-scented Gum **DaB (cm):** 37

Tree Height (m): 10 **Canopy Spread (m):** 7

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 3.48 **SRZ (m):** 2.18

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 311 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 41

Common Name: Lemon-scented Gum **DaB (cm):** 48

Tree Height (m): 13 **Canopy Spread (m):** 17

Health: Fair **Structure:** Poor

Origin: Aus. Native **Age:** Mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 4.92 **SRZ (m):** 2.43

Observations: Previous failures. Tension wound on low northern and southern laterals.

Encroachment: None **Retention Status:** Retain

Tree Id: 314 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 27

Common Name: Lemon-scented Gum **DaB (cm):** 33

Tree Height (m): 10 **Canopy Spread (m):** 8

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Semi mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 3.24 **SRZ (m):** 2.08

Observations: In decline. Thin canopy. Acute codominant stems.

Encroachment: None **Retention Status:** Retain

Tree Id: 315 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 15

Common Name: Lemon-scented Gum **DaB (cm):** 19

Tree Height (m): 7 **Canopy Spread (m):** 4

Health: Fair **Structure:** Good

Origin: Aus. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.65

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 316 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 21

Common Name: Lemon-scented Gum **DaB (cm):** 26

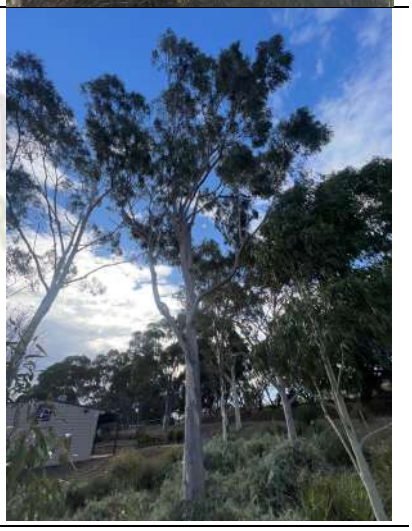
Tree Height (m): 7 **Canopy Spread (m):** 7

Health: Fair **Structure:** Poor

Origin: Aus. Native **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2.52 **SRZ (m):** 1.88

Observations: Included codominant stems. Thin canopy.



Encroachment: None **Retention Status:** Retain

Tree Id: 317 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 9

Common Name: Lemon-scented Gum **DaB (cm):** 13

Tree Height (m): 5 **Canopy Spread (m):** 2

Health: Good **Structure:** Good

Origin: Aus. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 318 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 31

Common Name: Lemon-scented Gum **DaB (cm):** 36

Tree Height (m): 13 **Canopy Spread (m):** 10

Health: Fair **Structure:** Poor

Origin: Aus. Native **Age:** Mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 3.72 **SRZ (m):** 2.15

Observations: Previous failures. Tension wound on south-western limb

Encroachment: None **Retention Status:** Retain

Tree Id: 319 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 32

Common Name: Lemon-scented Gum **DaB (cm):** 38

Tree Height (m): 14 **Canopy Spread (m):** 10

Health: Poor **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 3.84 **SRZ (m):** 2.2

Observations: In decline

Encroachment: None **Retention Status:** Retain

Tree Id: 321 **Location:** Onsite

Botanical Name: *Eucalyptus sp.* **DSH (cm):** 5

Common Name: Gum **DaB (cm):** 7

Tree Height (m): 2 **Canopy Spread (m):** 1

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Juvenile **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Poor location.

Encroachment: None **Retention Status:** Retain

Tree Id: 322 **Location:** Onsite

Botanical Name: *Corymbia citriodora* **DSH (cm):** 5

Common Name: Lemon-scented Gum **DaB (cm):** 7

Tree Height (m): 3 **Canopy Spread (m):** 1

Health: Good **Structure:** Good

Origin: Aus. Native **Age:** Juvenile **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 323 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 16

Common Name: Spotted Gum **DaB (cm):** 23

Tree Height (m): 7 **Canopy Spread (m):** 2

Health: Good **Structure:** Fair

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.79

Observations: Basal shoot

Encroachment: None **Retention Status:** Retain

Tree Id: 324 **Location:** Onsite

Botanical Name: *Allocasuarina verticillata* **DSH (cm):** 19.1

Common Name: Drooping She Oak **DaB (cm):** 21

Tree Height (m): 5 **Canopy Spread (m):** 4

Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2.29 **SRZ (m):** 1.72

Observations: In decline

Encroachment: None **Retention Status:** Retain

Tree Id: 325 **Location:** Onsite

Botanical Name: *Allocasuarina verticillata* **DSH (cm):** 15

Common Name: Drooping She Oak **DaB (cm):** 19

Tree Height (m): 4 **Canopy Spread (m):** 3

Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.65

Observations:

Encroachment: None **Retention Status:** Retain

Tree Id: 326 **Location:** Onsite

Botanical Name: *Allocasuarina verticillata* **DSH (cm):** 15.62

Common Name: Drooping She Oak **DaB (cm):** 17

Tree Height (m): 4 **Canopy Spread (m):** 2

Health: Poor **Structure:** Poor

Origin: Vic. Native **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.57

Observations: In decline. Included codominant stems.

Encroachment: None **Retention Status:** Retain

Tree Id: 327 **Location:** Onsite

Botanical Name: *Allocasuarina verticillata* **DSH (cm):** 17

Common Name: Drooping She Oak **DaB (cm):** 22

Tree Height (m): 5 **Canopy Spread (m):** 4

Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2.04 **SRZ (m):** 1.75

Observations:

Encroachment: Major **Retention Status:** Remove

Tree Id: 328 **Location:** Onsite

Botanical Name: *Eucalyptus sideroxylon* **DSH (cm):** 51

Common Name: Red Ironbark **DaB (cm):** 57

Tree Height (m): 12 **Canopy Spread (m):** 13

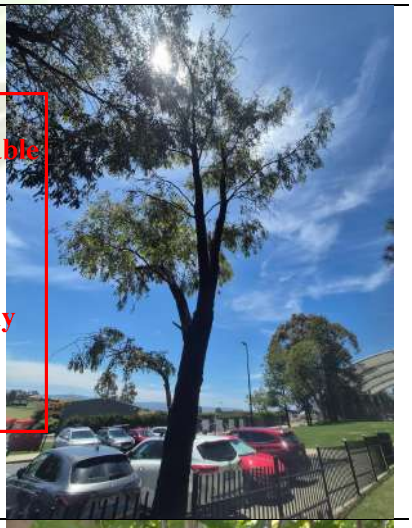
Health: Fair **Structure:** Poor

Origin: Vic. Native **Age:** Mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 6.12 **SRZ (m):** 2.61

Observations: Included codominant stems.

Encroachment: Moderate **Retention Status:** Retain



Tree Id: 329 **Location:** Onsite

Botanical Name: *Eucalyptus sideroxylon* **DSH (cm):** 39

Common Name: Red Ironbark **DaB (cm):** 44

Tree Height (m): 10 **Canopy Spread (m):** 7

Health: Fair **Structure:** Poor

Origin: Vic. Native **Age:** Mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 4.68 **SRZ (m):** 2.34

Observations: Included codominant stems.

Encroachment: Major **Retention Status:** Remove

Tree Id: 330 **Location:** Onsite

Botanical Name: *Eucalyptus sideroxylon* **DSH (cm):** 32

Common Name: Red Ironbark **DaB (cm):** 39

Tree Height (m): 10 **Canopy Spread (m):** 6

Health: Fair **Structure:** Poor

Origin: Vic. Native **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 3.84 **SRZ (m):** 2.23

Observations: Included codominant stems.

Encroachment: Major **Retention Status:** Remove

Tree Id: 331 **Location:** Onsite

Botanical Name: *Grevillea sp.* **DSH (cm):** 10

Common Name: Grevillea **DaB (cm):** 15

Tree Height (m): 3 **Canopy Spread (m):** 4

Health: Fair **Structure:** Poor

Origin: Aus. Native **Age:** Mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Group of trees

Encroachment: Major **Retention Status:** Remove

Tree Id: 332 **Location:** Onsite

Botanical Name: *Acer saccharum* **DSH (cm):** 22

Common Name: Sugar Maple **DaB (cm):** 25

Tree Height (m): 8 **Canopy Spread (m):** 5

Health: Good **Structure:** Poor

Origin: Exotic **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2.64 **SRZ (m):** 1.85

Observations: Included codominant stems. Split main stems

Encroachment: None **Retention Status:** Retain

Tree Id: 335 **Location:** Onsite

Botanical Name: *Acacia implexa* **DSH (cm):** 19

Common Name: Lightwood **DaB (cm):** 23

Tree Height (m): 8 **Canopy Spread (m):** 3

Health: Poor **Structure:** Fair

Origin: Vic. Native **Age:** Mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2.28 **SRZ (m):** 1.79

Observations: In decline

Encroachment: None **Retention Status:** Retain

Tree Id: 337 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 34

Common Name: Spotted Gum **DaB (cm):** 41

Tree Height (m): 14 **Canopy Spread (m):** 6

Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 4.08 **SRZ (m):** 2.28

Observations:

Encroachment: Minor **Retention Status:** Remove

Tree Id: 338 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 18

Common Name: Spotted Gum **DaB (cm):** 24

Tree Height (m): 7 **Canopy Spread (m):** 3

Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2.16 **SRZ (m):** 1.82

Observations: Suppressed

Encroachment: Major **Retention Status:** Remove

Tree Id: 339 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 9

Common Name: Spotted Gum **DaB (cm):** 13

Tree Height (m): 6 **Canopy Spread (m):** 2

Health: Good **Structure:** Good

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Suppressed

Encroachment: Major **Retention Status:** Remove

Tree Id: 340 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 66

Common Name: Spotted Gum **DaB (cm):** 76

Tree Height (m): 20 **Canopy Spread (m):** 12

Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Mature **ULE:** Short

Retention Value: High **NRZ (m):** 7.92 **SRZ (m):** 2.95

Observations: Canker. Previous failures. Exudates

Encroachment: Major **Retention Status:** Remove

Tree Id: 341 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 7

Common Name: Spotted Gum **DaB (cm):** 11

Tree Height (m): 6 **Canopy Spread (m):** 2

Health: Good **Structure:** Good

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Suppressed

Encroachment: Major **Retention Status:** Remove

Tree Id: 342 **Location:** Onsite

Botanical Name: *Corymbia maculata* **DSH (cm):** 9.43

Common Name: Spotted Gum **DaB (cm):** 12

Tree Height (m): 5 **Canopy Spread (m):** 2

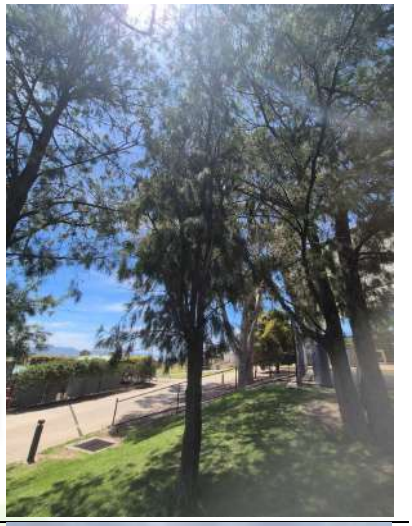
Health: Fair **Structure:** Fair

Origin: Vic. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Suppressed. Hanging branch. Encroaching structure

Encroachment: None **Retention Status:** Remove



Tree Id: 344 **Location:** Onsite

Botanical Name: *Acacia implexa* **DSH (cm):** 15

Common Name: Lightwood **DaB (cm):** 18

Tree Height (m): 8 **Canopy Spread (m):** 2

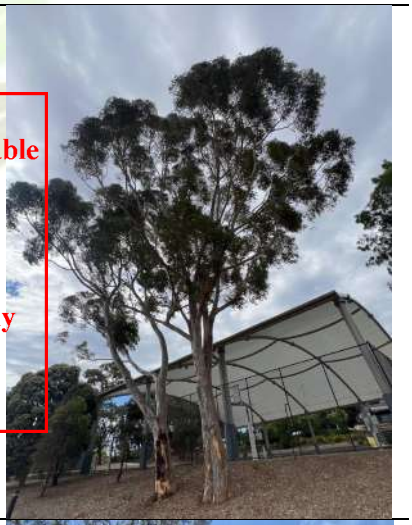
Health: Poor **Structure:** Fair

Origin: Vic. Native **Age:** Mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.61

Observations: In decline. Dieback

Encroachment: Major **Retention Status:** Remove



Tree Id: 345 **Location:** Onsite

Botanical Name: *Acacia pycnantha* **DSH (cm):** 4

Common Name: Golden Wattle **DaB (cm):** 8

Tree Height (m): 3 **Canopy Spread (m):** 1

Health: Fair **Structure:** Good

Origin: Vic. Native **Age:** Juvenile **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations:

Encroachment: Major **Retention Status:** Remove

Tree Id: 346 **Location:** Onsite

Botanical Name: *Hakea salicifolia* **DSH (cm):** 17.03

Common Name: Willow Hakea **DaB (cm):** 33

Tree Height (m): 4 **Canopy Spread (m):** 3

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2.04 **SRZ (m):** 2.08

Observations: Encroaching structure. Weed species? Dieback

Encroachment: None **Retention Status:** Retain

Tree Id: 470 **Location:** Onsite

Botanical Name: *Eucalyptus cladocalyx* **DSH (cm):** 80

Common Name: Sugar Gum **DaB (cm):** 94

Tree Height (m): 19 **Canopy Spread (m):** 18

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Medium

Retention Value: High **NRZ (m):** 9.6 **SRZ (m):** 3.22

Observations: Previous failures.

Encroachment: Moderate **Retention Status:** Retain

Tree Id: 471 **Location:** Onsite

Botanical Name: *Casuarina cunninghamiana* **DSH (cm):** 52.4

Common Name: River She-oak **DaB (cm):** 77

Tree Height (m): 15 **Canopy Spread (m):** 10

Health: Good **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 6.29 **SRZ (m):** 2.97

Observations:

Encroachment: Major **Retention Status:** Remove

Tree Id: 472 **Location:** Onsite

Botanical Name: *Casuarina cunninghamiana* **DSH (cm):** 27.8

Common Name: River She-oak **DaB (cm):** 40

Tree Height (m): 10 **Canopy Spread (m):** 3

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Semi mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 3.34 **SRZ (m):** 2.25

Observations: Wounds. Acute codominant stems.

Encroachment: Major **Retention Status:** Remove

Tree Id: 473 **Location:** Onsite

Botanical Name: *Casuarina cunninghamiana* **DSH (cm):** 36

Common Name: River She-oak **DaB (cm):** 44

Tree Height (m): 13 **Canopy Spread (m):** 7

Health: Good **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Medium

Retention Value: Medium **NRZ (m):** 4.32 **SRZ (m):** 2.34

Observations: Previous failures

Encroachment: Moderate **Retention Status:** Retain

Tree Id: 474 **Location:** Onsite

Botanical Name: *Casuarina cunninghamiana* **DSH (cm):** 29

Common Name: River She-oak **DaB (cm):** 35

Tree Height (m): 10 **Canopy Spread (m):** 6

Health: Fair **Structure:** Fair

Origin: Aus. Native **Age:** Mature **ULE:** Short

Retention Value: Medium **NRZ (m):** 3.48 **SRZ (m):** 2.13

Observations: In decline. Basal wound.

Encroachment: Major **Retention Status:** Retain

Tree Id: 475 **Location:** Onsite

Botanical Name: *Acer saccharum* **DSH (cm):** 12

Common Name: Sugar Maple **DaB (cm):** 15

Tree Height (m): 5 **Canopy Spread (m):** 3

Health: Good **Structure:** Fair

Origin: Exotic **Age:** Semi mature **ULE:** Short

Retention Value: Low **NRZ (m):** 2 **SRZ (m):** 1.5

Observations: Basal wound

Encroachment: None **Retention Status:** Retain

Tree Id: 476 **Location:** Onsite

Botanical Name: *Acer saccharum* **DSH (cm):** 20

Common Name: Sugar Maple **DaB (cm):** 23

Tree Height (m): 6 **Canopy Spread (m):** 4

Health: Good **Structure:** Poor

Origin: Exotic **Age:** Semi mature **ULE:** Short

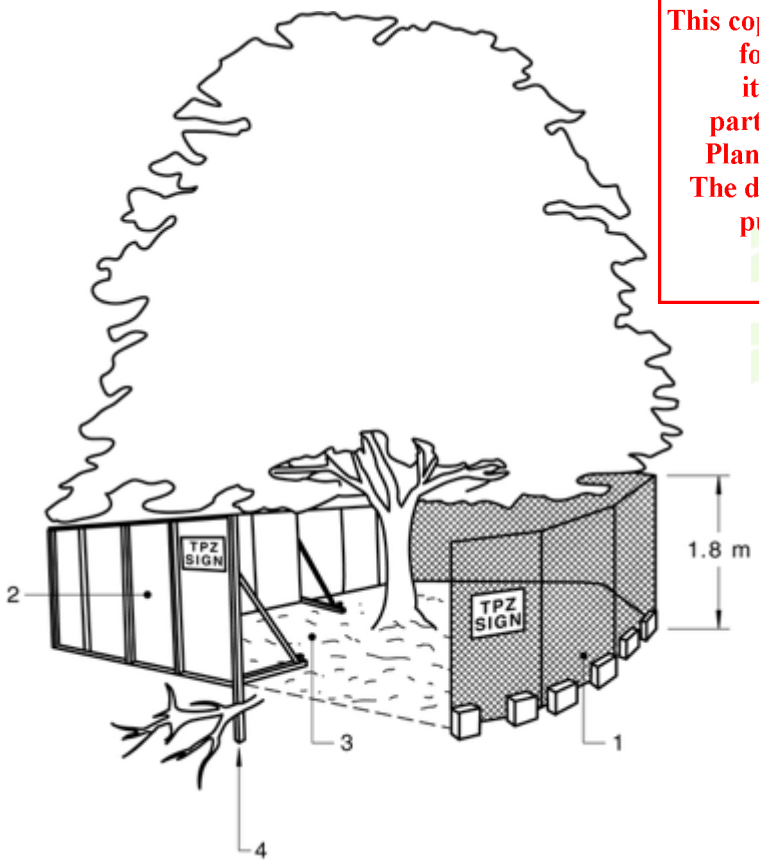
Retention Value: Low **NRZ (m):** 2.4 **SRZ (m):** 1.79

Observations: Included codominant stems.

Encroachment: None **Retention Status:** Retain

Appendix B: Tree Protection Measures

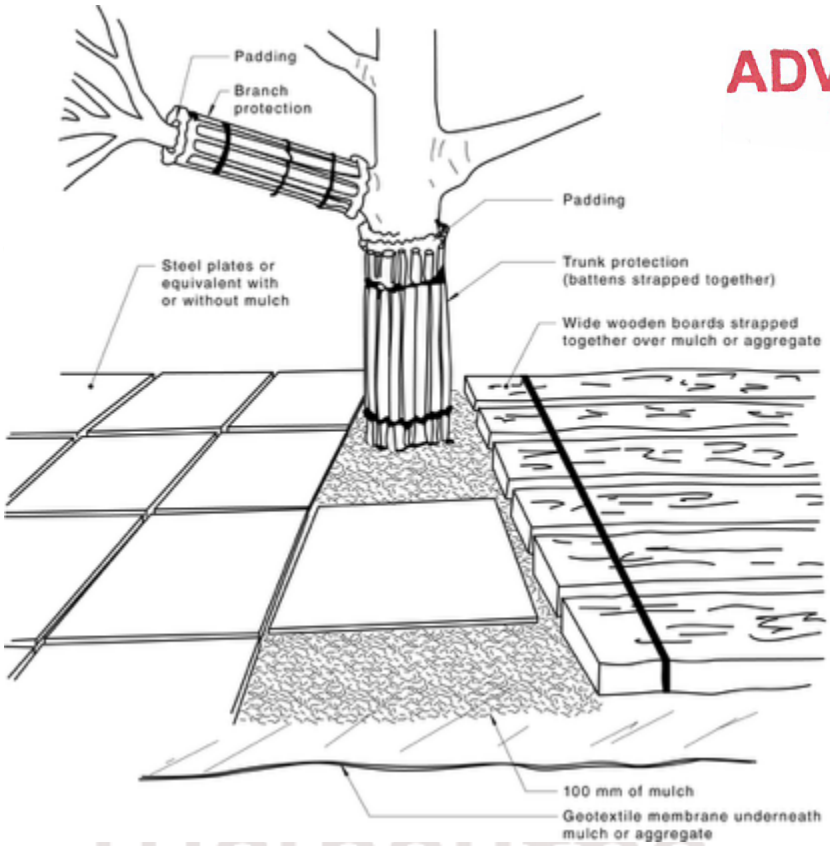
- Signs identifying the TPZ should be placed around the edge of the TPZ and be visible from within the development site.
- Fencing should be erected before any machinery or materials are brought onto the site and before the commencement of works including demolition. Once erected, protective fencing must not be removed or altered without approval by the project arborist. The TPZ should be secured to restrict access.



Example of fencing (Taken from AS4970-2025)

- If the TPZ is to be encroached by construction, manual excavation of the roots is to be carried out under the supervision of the project arborist to identify roots critical to tree stability.
- No roots greater than 5 cm are to be cut unless supervised by the project arborist.
- Roots should be pruned with sharp tools such as secateurs, handsaws or chainsaws.
- No roots within the TPZ are to be cut with machinery such as backhoes or excavators.
- Where roots are exposed, temporary root protection should be installed to prevent them drying out. Hessian sheeting as multiple layers on exposed roots would reduce the loss of moisture.

- All services should be routed outside the TPZ. If underground services are to be routed through the TPZ, they should be installed by directional drilling or manually excavated trenches. Directional boring should be at least 600mm deep.
- If temporary access for machinery is required within the TPZ ground protection measures will be required. The purpose of ground protection is to prevent root damage and soil compaction within the TPZ. Measures may include a permeable membrane such as geotextile fabric beneath a layer of mulch or crushed rock below rumble board.



Ground Protection (Taken from AS4970-2025)

- Activities generally excluded from the TPZ include but are not limited to:
  - Machine excavation including trenching
  - Excavation for silt fencing
  - Storage
  - Preparation of chemicals, including preparation of cement products
  - Parking of vehicles and plant
  - Refueling
  - Dumping of waste
  - Wash down and cleaning of equipment
  - Placement of fill
  - Lighting of fires

- Soil level changes
- Temporary or permanent installation of utilities and signs
- Physical damage to the tree

Appendix C: Glossary of Terms

Age

Juvenile	Juvenile or recently planted approximately 1-7 years.
Semi Mature	Tree actively growing.
Mature	Tree has reached expected size in situation.
Senescent	Tree is over mature and has started to decline.

Origin

Victorian native	Trees that are naturally occurring within Victoria
Australian native	Trees that are naturally occurring within Australia
Exotic	Trees that are not naturally occurring to any part of Australia

USEFUL LIFE EXPECTANCY – ULE

The useful life of a tree is an estimate of how long a tree is likely to remain in the landscape based on health, amenity and risk.

Long ULE Trees that appear to be retainable with an acceptable level of risk for more than 40 years

1. Structurally sound trees located in positions that can accommodate future growth.
2. Storm damaged or defective trees that could be made suitable for retention in the long term by remedial tree surgery.
3. Trees of special significance for historical, commemorative or rarity reasons that would warrant extraordinary efforts to secure their long-term retention.

Medium ULE Trees that appear to be retainable with an acceptable level of risk for 15 to 40 years.

1. Trees that may only live between 15 and 40 years.
2. Trees that may live for more than 40 years but would be removed to allow the safe development of more suitable individuals.
3. Trees that may live for more than 40 years but would be removed during the course of normal management for safety and nuisance reasons.
4. Storm damage or defective trees that can be made suitable for retention in the medium term by remedial work.

Short ULE Trees that appear to be retainable with an acceptable level of risk for 5 to 15 years.

1. Trees that may live for 5 to 15 years.
2. Trees that may live for more than 15 years but would be removed to allow the safe development of more suitable individuals.
3. Trees that may live for more than 15 years but would be removed during the course of normal management for safety and nuisance reasons.
4. Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term.

0-5 Years Trees with a high level of risk that would need removal within the next 5 years.

1. Dead trees.
2. Dying or suppressed and declining trees through disease or inhospitable conditions.
3. Dangerous trees through instability or recent loss of adjacent trees.
4. Dangerous trees through structural defects including cavities, decay, included bark, wounds or poor form.
5. Damaged trees that are considered unsafe to retain.
6. Trees that will become dangerous after removal of other trees for the above reasons.

Condition

This is a combined indicator of health and structure based on the following descriptors:

Health

Good Foliage of tree is entire, with good colour, very little sign of pathogens and of good density. Growth indicators are good ie. Extension growth of twigs and wound wood development. Minimal or no canopy die back (deadwood).

Fair Tree is showing one or more of the following symptoms; < 25% dead wood, minor canopy die back, foliage generally with good colour though some imperfections may be present. Minor pathogen damage present, with growth indicators such as leaf size, canopy density and twig extension growth typical for the species in this location.

Poor Tree is showing one or more of the following symptoms of tree decline; > 25% deadwood, canopy die back is observable, discoloured or distorted leaves. Pathogens present, stress

symptoms are observable as reduced leaf size, extension growth and canopy density.

Dead — No vascular function.

Structure

Good — Trunk and scaffold branches show good taper and attachment with minor or no structural defects. Tree is a good example of the species with a well-developed form showing no obvious root problems or pests and diseases.

Fair — Tree shows some minor structural defects or minor damage to trunk eg. bark missing, there could be cavities present. Minimal damage to structural roots. Tree could be seen as typical for this species.

Poor — There are major structural defects, damage to trunk or bark missing. Co-dominant stems could be present or poor structure with likely points of failure. Girdling or damaged roots obvious. Tree is structurally problematic.

Retention Value

- **Exceptional** - trees must be retained at all costs
  - A tree has horticultural, social, historical or cultural value.
  - A tree that has outstanding habitat value.
  - A tree that is an outstanding size for the species.
  - A tree that is remnant.
  - A tree species that is endangered.

- **High** - trees should be considered for retention wherever possible
  - A tree that is in good-fair health and structure with a long ULE.
  - A tree that is in good health, with good structure, is semi mature or mature, and with a medium ULE.
  - A tree that has cultural, botanical, or landscape significance.

- **Medium** - trees should be considered for retention wherever possible but should not pose a material constraint to site development
  - A tree that is in fair health and structure, is semi mature, and with a medium ULE.
    A tree that is in poor health or poor structure, is mature, and with a medium or short ULE.

- **Low -** trees should be removed

- A tree that is in poor health and structure with a short ULE.
- Weed species.

- **Third Party** – trees are third party assets and must be retained at all costs.
  - A tree that is located on adjoining properties.
  - A tree that is located on a nature strip.

Work Descriptors

Formative Pruning

The pruning of young or established trees with the aim of directing plant growth or developing a sound structure by reducing codominant stems, pruning out crossing branches.

Deadwood

The removal of deadwood greater than 30 mm diameter over high target areas. Deadwood over low target areas may be left as it provides habitat for invertebrates and roosting spots for birds.

Reduction Pruning

The removal of the end of upright stems and branches and stems that present with structural defects to reduce their likelihood of failure.

Weight Reduction Pruning

The removal of the end of lateral stems and branches and stems that present with structural defects to reduce their likelihood of failure.

Cable Bracing

Where trees have significant structural defects that cannot be mitigated through pruning alone, cable bracing is installed. The cable is installed between codominant stems or on larger lateral branches that are above targets.

Tree Removal

Tree removal is last resort where the tree is either dead, dying or has structural defects that cannot be rectified using tradition tree management options.

Aerial Inspection

Climbing the tree using non-invasive methods to inspect the tree from within the canopy. Aerial inspections are used when the assessing arborist has identified a possible defect within the canopy that cannot be accurately assessed from ground level. Aerial inspections should be carried out by suitably qualified persons (minimum AQF V).

Uplift Pruning

The pruning of lower branches for pedestrian or vehicle clearance in high use areas.

Asset Clearance Pruning

The pruning of branches to provide clearance from buildings, lights, signs and security cameras.

Tree Health Treatments

Health treatments can include soil testing, soil treatments to remedy toxicities and deficiencies, and pest management.

Appendix D: References

- Mattheck, C. and Breleor, H., 1994, *The body language of trees*, The Stationery Office, London, UK.
- Standards Australia 2007 SAI Global – *AS4373-2007 Pruning of Amenity Trees*
- Standards Australia 2025 SAI Global - *AS4970 Protection of Trees on Development Sites*

Appendix E: Qualifications and Experience

Matthew P James has the following qualifications and experience:
Master of Urban Horticulture (studying)
Graduate Certificate in Arboriculture
Diploma of Arboriculture
QTRA (Quantified Risk Assessment) registered user
Arboriculture Australia National Conference: 2016
Tree Anatomy Workshop (Mark Hartley) 2016
Cert Nutrition Farming 2015
15+ Years industry experience

Lachlan J Egan has the following qualifications and experience:

Diploma of Arboriculture
QTRA (Quantified Risk Assessment) registered user
10+ Years industry experience

Appendix F: Report Limitations and Constraints

- The report is limited to the time of inspection.
- The report reflects the trees as found on the days of inspection. Any changes to site conditions or surroundings, such as construction works or landscape works may alter the findings of the report subject to conditions and recommendations as set out within the report.
- The report is based on the inspection and the material available at the time of inspection or that information further to the inspection found within the report.
- No soil samples were taken for laboratory analysis.
- Tree roots were not inspected below ground except where previously exposed and/or where otherwise stated within the report.
- Measurements may be approximates only and generally not to scale.
- All images supplied are interpretations only and should not be taken as true at time of inspection or indicative of tree condition or status at time of inspection or time of report release, inclusive of Google images if applicable

Appendix G: Disclaimer

Although MELBOURNE TREE CARE P.L. uses all due care and skill in providing you the information made available in this report, to the extent permitted by law MELBOURNE TREE CARE P.L. otherwise excludes all warranties of any kind, either expressed or implied. To the extent permitted by law, you agree that MELBOURNE TREE CARE P.L. is not liable to you or any other person or entity for any loss or damage caused or alleged to have been caused (including loss or damage resulting from negligence), either directly or indirectly, by your use of the information (including by way of example, Arboricultural advice) made available to you in this report. Without limiting this disclaimer, in no event will MELBOURNE TREE CARE P.L. be liable to you for any lost revenue or profits, or for special, indirect, consequential or incidental damage (however caused and regardless of the theory of liability) arising out of or related to your use of that information, even if MELBOURNE TREE CARE P.L. has been advised of the possibility of such loss or damage.