Arboricultural Impact Assessment

Former Narrabeen RSL Site

Prepared by Alex Austin
For

Geoff Davis

February 2025
Final V3

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1 Summary

Alex Austin, an AQF level 8 Arborist, was commissioned by Geoff Davis from Rick Davis Contracting to complete an Arboricultural Impact Assessment (AIA) of the trees that could be impacted by the proposed demolition works at the former Narrabeen RSL site at North Narrabeen NSW.

The site inspection and data collection were completed on the 27th November 2024 by Alex Austin, an AQF level 8 Arborist. 321 Trees including groups within and surrounding the whole site were inspected and recorded into the Tree Plotter software. The 321 trees including group assessments were tagged 1 – 207. This document and data have been prepared in accordance with Australian Standard 4970: 2009 *Protection of trees on development sites.*

The project site is located at Site is located at 116 Nareen Parade, North Narrabeen. The site includes the former Narrabeen RSL building, carparks and grounds which are now vacant in in disrepair. The northern narrow tip of the site includes the exposed creek line and riparian zone which is overrun with weed growth both at a ground and tree layer.

The proposed demolition works include the demolition of the existing Three (3) story RSL building, the entrance pathways and lower retaining walls below the building. The remainder of the site is not impacted by the proposed works.

This report details the impacts to 85 trees in 65 tags within and adjacent to the demolition area and includes the following trees;

- Eight (8) High (A) Retention Value trees numbered 3, 8, 9, 11, 18, 24, 35 & 63
- 25 Medium (B) Retention Value trees in 22 tag numbers
- 48 Low (C) Retention Value trees in 30 tag numbers
- Four (4) R Remove Trees numbered 14, 21, 29 & 36

Of these 85 trees in the vicinity of the demotion works,,

- 37 trees in 27 tags are site trees in vicinity of the demolition works
- 13 sites trees in the demolition area numbered 14, 16, 17, 18, 19, 21, 29, 36, 46, 47(Group of 4) are exempt species in the Northern Beaches Local Government Area
- 48 trees in 38 tags are on council land in vicinity of the demolition works.

14 site trees are proposed to be removed with the proposed works including One (1) B Retention Value Tree numbered 44, One (1) C Retention Value Tree numbered 45 and 12 sites trees numbered 14, 16, 17, 19, 21, 29, 36, 46, 47(Group of 4) that are exempt species.

23 Site trees including Tree 18 *Jacaranda mimosifolia* (Jacaranda) (Exempt Species yet dominant site feature) will be retained and protected from the demolition woks. All 48 Council trees in vicinity to the works will be retained and protected.

To ensure the trees nominated for retention remain viable during and post demolition, tree protection measures including the engagement of a project arborist, Tree Protection Fencing, Tree Protection Signage, Trunk Protection, Arborist Supervision of works in the Tree Protection Zones (TPZ's), a restriction of activities within Tree Protection Zones (TPZ's) and compliance reporting, must be incorporated into the project

A Tree Protection Plan has been prepared and is in the Appendix.

This document must be used in its entirety and further questions are to be directed to:

Alex Austin

AQF Level 8 Arborist

2 Table of Contents

3 Document Details

Version Number	Date	Description
001	19/02/2025	Draft
002	24/02/2025	Draft - Typos
003	26/02/2025	Final – Updated Demo Plan

4 Background

Alex Austin, an AQF level 8 Arborist, was commissioned by Geoff Davis from Rick Davis Contracting, to complete a Pre-Development Tree Assessment of the trees that could be impacted by the proposed Development Project at the former Narrabeen RSL site at North Narrabeen NSW.

The site inspection and data collection were completed on the 27th November 2024 by Alex Austin, an AQF level 8 Arborist. 321 Trees including groups within and surrounding the project area were inspected and are now subject to this report. The trees including group assessments were tagged 1 – 207. This document and data have been prepared in accordance with Australian Standard 4970: 2009 *Protection of trees on development sites.*

4.1 Reviewed Documents

The following documents have been reviewed in the preparation of this report;

- Demolition Plan by elo architecture Rev 1 dated 25/02/2025
- Existing Site Plan by elo architecture Rev 1 dated 23/01/2025
- Site Survey by Bee and Lethbrdige, Rev 00 dated 18/12/2024

5 Methodology

5.1 Aims and Objectives

- Determine the Retention Value and required area for each tree to be protected and remain viable during and post construction.
- Identify and reduce potential conflicts between subject trees and site development by providing accurate information on the area required for tree retention and methods/techniques suitable for tree protection during construction.
- Encroachments to the TPZs are to be minimized prior to construction.
- Works within the defined Tree Protection Zone shall utilize special measures to avoid or minimize adverse impacts on trees.
- Provide information on restricted activities within the area nominated for tree protection, as well as suitable construction methods to be adopted during construction.

The trees to be retained must be protected from all other demolition, excavation, and construction activities

5.2 Tree Health and Condition

The inspection of the trees was made from the ground and involved inspection of the external features only. No invasive, diagnostic or laboratory testing was carried out.

Tree height and canopy spread were estimated and trunk diameter (DBH) and Diameter at Root Crown (DRC), have been measured with a diameter tape where applicable.

Data including species, age class, health, structure, landscape significance, defects, life expectancy were recorded. Tree species were identified using available seed and fruit during the site inspection.

All photographs were taken at the time of the site inspection by the inspecting arborist. Photographs have been altered for brightness and/or cropped only.

Tree assessment and recommendations in this report are based on the condition of the trees at the time of inspection. As the trees continue to age and decline, further assessment, particularly from a hazard management perspective may be necessary. Site conditions and weather events may also change the condition of the trees from the time of inspection.

5.3 Tree Protection Zone and Structural Root Zone

The Tree Protection Zone method has been derived from the Australian Standard 4970–2009: *Protection of trees on development sites*.

The Tree Protection Zone (TPZ) is defined as a specified area above and below ground and at a given distance from the trunk set aside for the protection of a tree's roots and crown. It is the area required to provide for the viability of a tree to be retained where it is potentially subject to damage by development.

The radius of the TPZ is calculated for each tree by multiplying its Diameter at Breast Height (DBH) by 12

$$TPZ\ radius = DBH \times 12$$

The trunk diameter method has been used in this report to determine the TPZ. This area provides a general guide where the roots are likely to be located.

The Structural Root Zone (SRZ) is the area around the base of a tree required for the tree's stability in the ground. The woody root growth and soil cohesion in this area are necessary to hold the tree upright. The SRZ is nominally circular with the trunk at its centre and is expressed by its radius in metres.

$$SRZ\ radius = (D \times 50)^{0.42} \times 0.64$$

5.3.1 Root Loss

In line with section 3.3.2 of AS 4970:2009, a 10% incursion to a TPZ is considered a minor encroachment. Any more than 10% or works within the SRZ is considered a major incursion and special design and construction measures should be taken to minimise impact on the retained trees. When a major TPZ encroachment, The arborist needs to be able to demonstrate that the tree will remain viable by referencing the proposed plan detail or by root mapping.

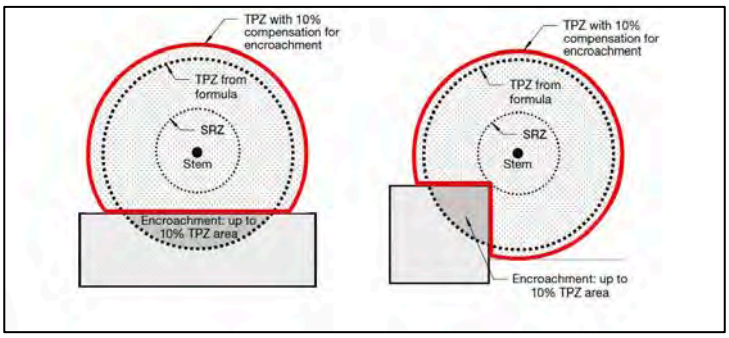


Figure 1: Example acceptable 10% minor TPZ encroachments. (Source: AS 4970:2009).

5.4 Retention Value

A simplified rating system consisting of 4 categories as a summary of the survey's cascading process. The retention value considers the trees health and structure, age class, defects, life expectancy and significance in the landscape. The retention value method used is based on the IACA Significance of a Tree, Assessment Rating System (STARS) (IACA 2010)©.

- Priority or Retention (High - A - Green) -These trees are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970 Protection of trees on development sites. Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone. Considerable efforts should be made to retain these trees.
- Consider for Retention (Medium – B (Blue)These trees may be retained and protected. These are considered less critical; however their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted. Reasonable efforts should be made to retain these trees.
- Consider for Removal (Low- C –Grey) These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.
- Priority for Removal (Remove – R- Red). -These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

6 Site Details

Site is located at 116 Nareen Parade, North Narrabeen.

6.1 Suburb Map

Figure 2: The map of the wider suburb showing the project site location. (Source: Sixmaps 2024).

6.2 Aerial image

Figure 3: The aerial image of the site showing property boundaries.. (Source: Sixmaps 2024)

6.3 Land Zoning

The site is zoned C4: Environmental Living under the Pittwater Local Environmental Plan 2014 in the Northern Beaches Local Government Area.

The site borders three (3) pockets of RE1 Public Recreation land and numerous Neighboring properties on Tatiara Crs that are zoned R2: Low Density Residential

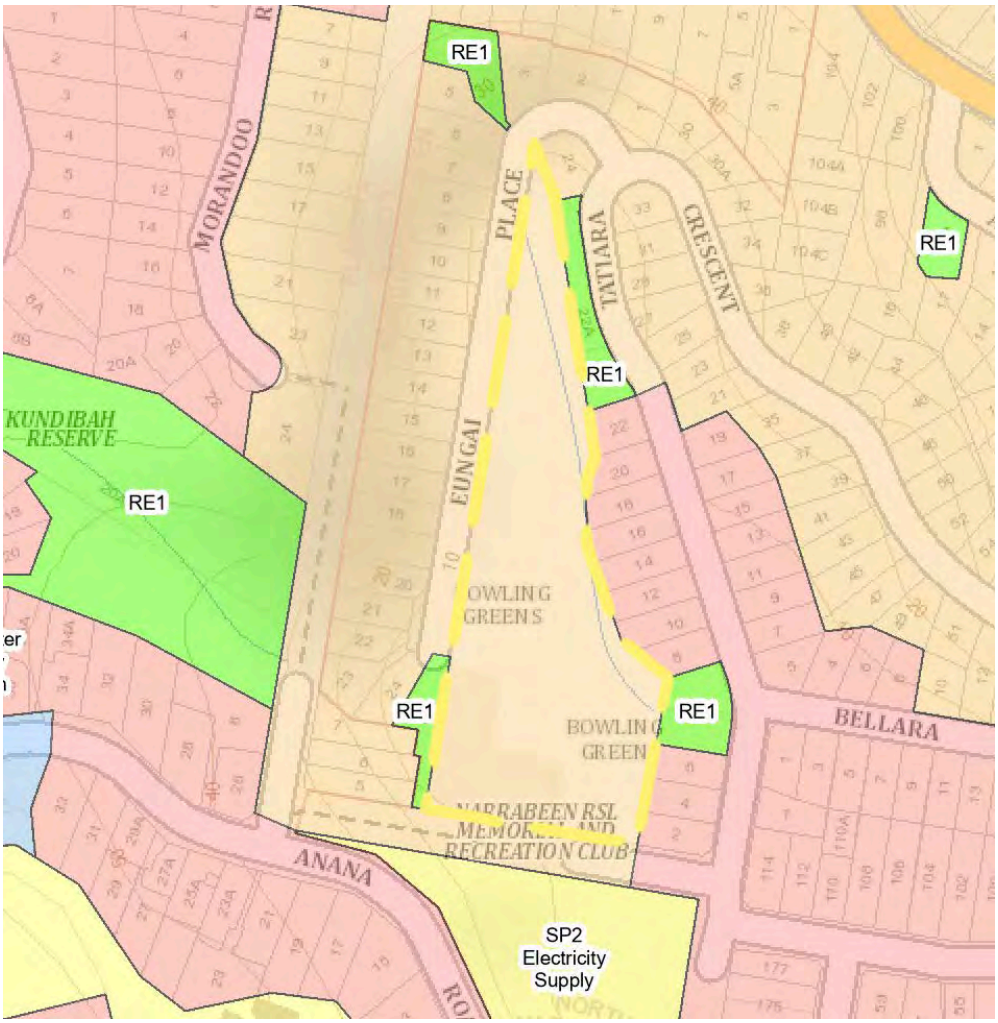


Figure 4: The map of land zoning surrounding the site. . (Source: Eplanning Spatial Viewer 2024).

6.4 Biodiversity and Conservation SEPP

The subject trees are protected by the State Environmental Planning Policy (Biodiversity and Conservation SEPP) 2021. Trees proposed for removal or pruning, are covered by the SEPP unless they are considered an imminent danger to life and property (By a AQF Level 5 or above Arborist) and require a permit to be issued by Council.

6.4.1 Plant Community types

The site has several Plant community types (PCT) mapped on and surrounding the site including;

- PCTID: 4028 - PCT Name: Estuarine Swamp Oak Twig-rush Forest
- PCTID: 3039 - PCT Name: Sydney Coastal Lilly Pilly-Palm Gallery Rainforest
- PCTID: 3595 - PCT Name: Sydney Coastal Sandstone Gully Forest
- PCTID: 3592 - PCT Name: Sydney Coastal Enriched Sandstone Forest
- PCTID: 3028 - PCT Name: Illawarra Escarpment Warm Temperate Rainforest

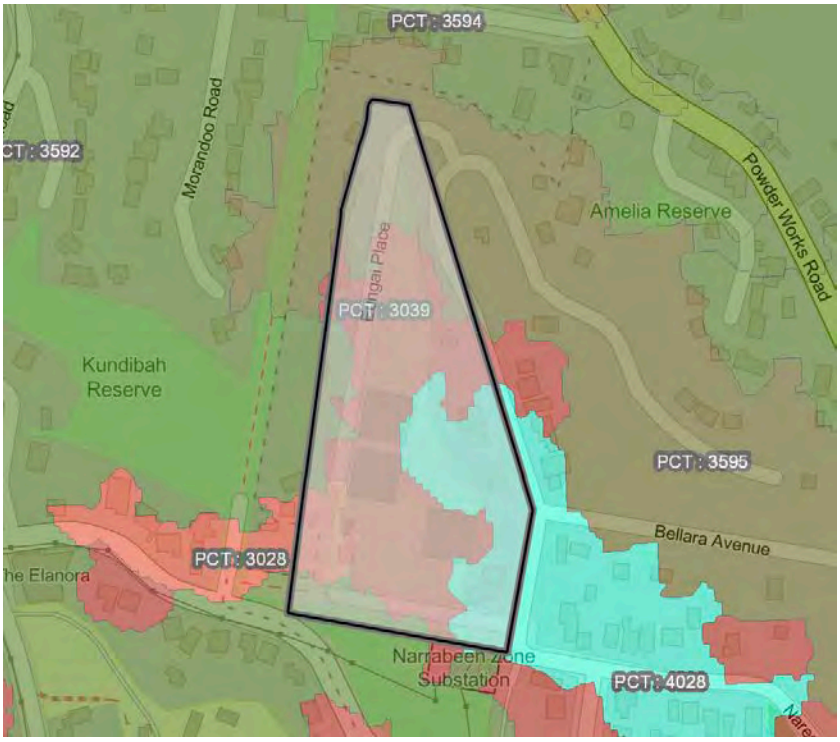


Figure 5: The SEED map of Plant community types within and adjacent to he site. . (Source: SEED Map 2024).

6.5 Exiting layout

The project site is located at Site is located at 116 Nareen Parade, North Narrabeen. The site includes the former Narrabeen RSL building, carparks and grounds which are now vacant in in disrepair. The site is surrounded by Nareen parade to the south, the rear boundaries of numerous Neighboring properties on Tatiara Crs to the east and the road verge of Eungai Place to the west.

The majority of the rear boundaries of numerous Neighboring properties on Tatiara Crs are fenced, yet some do not have rear boundary fences with the site.

Eungai Place has numerous mature trees located on the council road verge.

A creek line and riparian zone run from north to south predominately along the eastern edge of the site.

The bulk of the site is comprised of the RSL building, carparks and bowling greens. The northern narrow tip of the site includes the exposed creek line and riparian zone which is over run with weed growth both at a ground and tree layer.

Numerous weed species and exempt tree species are scattered throughout the site.


Figures 6 & 7: The entrance to the RSL building off Narren Place (Left) and the view of the project area from the end of Eungai Place (Right). (Source: Austin 27/11/2024).


Figures 8 & 9: The former bowling greens central to the site (Left) and the retaining wall around the south and west of the building (Right). (Source: Austin 27/11/2024).


Figures 10 & 11 :The retaining wall around the south and west of the building can be observed (Left) and the overgrown/unkept riparian area mid way through the northern half of the site. (Source: Austin 27/11/2024).

6.6 Whole Site Tree Details

The 321 trees subject to this report have been placed into the Tree Plotter Software. Measurements and assessment of key tree attributes have been recorded. The whole tree assessment revealed;

- 25 High (A) Retention Value trees in 25 tag numbers.
- 147 Medium (B) Retention Value trees in 97 tag numbers
- 101 Low (C) Retention Value trees in 62 tag numbers
- 48 R Remove Trees in 22 tag numbers.

111 Trees are exempt species in the Northern Beaches Local Government Area.

6.6.1 Whole Site Tree Maps

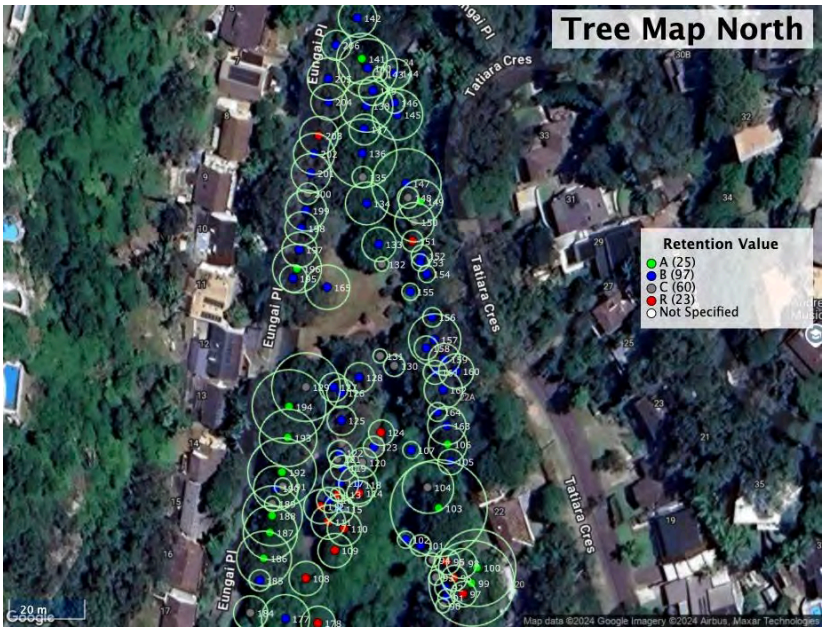


Figure 12: The Tree Retention Value Map North can be observed. See appendix for the larger image. (Source: Tree Plotter 2024).

Figure 13: The Tree Retention Value Map South can be observed. See appendix for the larger image. (Source: Tree Plotter 2024)

6.6.2 Whole Site Exempt Species Maps

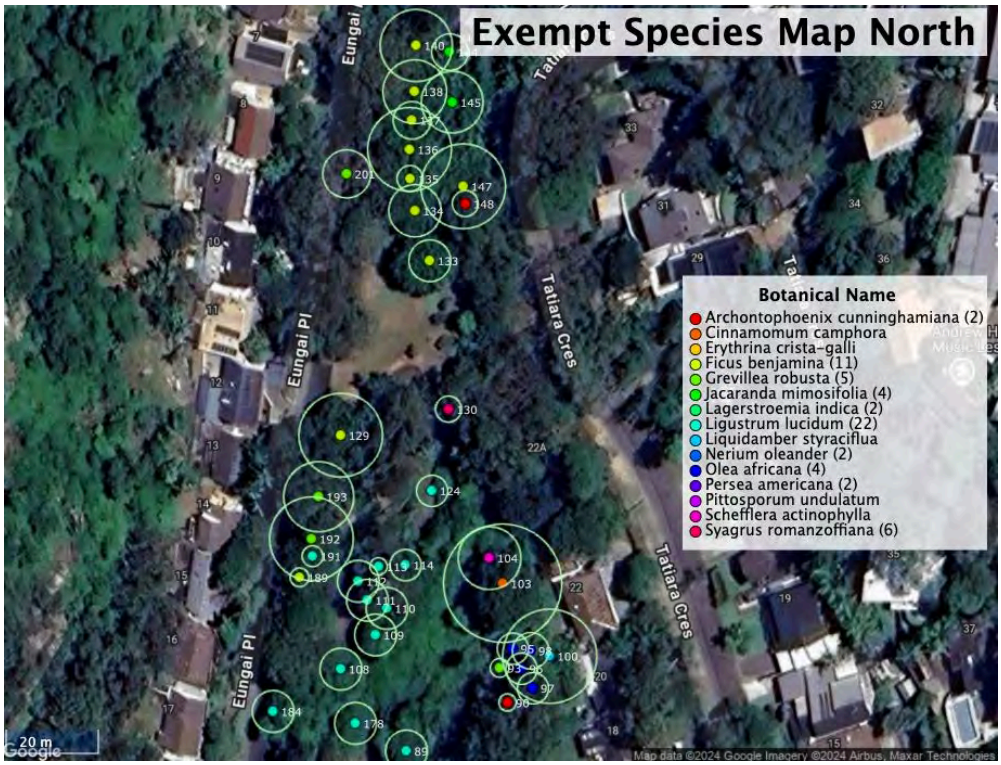


Figure 14: The Exempt Species Map North can be observed. See appendix for the larger image. (Source: Tree Plotter 2024)

Figure 15: The Exempt Species Map South can be observed. See appendix for the larger image. (Source: Tree Plotter 2024)

7 Demolition Area Tree Details

85 trees in 65 assessments are located within and adjacent to the Demolition works area and include;

- Eight (8) High (A) Retention Value trees numbered 3, 8, 9, 11, 18, 24, 35 & 63
- 25 Medium (B) Retention Value trees in 22 tag numbers
- 48 Low (C) Retention Value trees in 30 tag numbers
- Four (4) R Remove Trees numbered 14, 21, 29 & 36

Of these 85 trees in the vicinity of the demotion works,,

- 37 trees in 27 tags are site trees in vicinity of the demolition works
- 12 sites trees in the demolition area numbered 14, 16, 17, 19, 21, 29, 36, 46, 47(Group of 4) are exempt species in the Northern Beaches Local Government Area
- 48 trees in 38 tags are on council land in vicinity of the demolition works.

7.1.1 Demolition Area Map

Figure 16: The demolition area Tree Map can be observed. See appendix for the larger image. (Source: Tree Plotter 2025)

7.2 Eight (8 (A) High Retention Value trees

Eight (8) High (A) Retention Value trees numbered 3, 8, 9, 11, 18, 24, 35 & 63 are in the demolition works area.

Trees in this category are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970 *Protection of trees on development sites*. Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone. Considerable efforts should be made to retain these trees. Key Examples include;

7.2.1 Tree 4 *Angophora costata* (Smooth-barked Apple Myrtle)

Tree 4 *Angophora costata* (Smooth-barked Apple Myrtle) is a large tree located near the entrance to the existing building. The tree has good health and structure with a long life expectancy, high landscape significance and a 6.96m TPZ radius.

Figure 17: Tree 4 in the landscape. (Source: Austin 27/11/2024).

7.2.2 Trees 8 & 11 *Glochidion ferdinandi* (Cheese Trees)

Trees 8 & 11 *Glochidion ferdinandi* (Cheese Tree) are large trees located near the entrance to the existing building. The trees have good health and structure with a long life expectancy and high landscape significance.

Figures 18 & 19: Trees 11 (Left) and 8 (Right) can be observed in the landscape. (Source: Austin 27/11/2024).

7.2.3 Tree 18 *Jacaranda mimosifolia* (Jacaranda)

Tree 18 *Jacaranda mimosifolia* (Jacaranda) is located in a next to he existing building and is a dominant site tree. The tree has good health and average structure with a long life expectancy. The tree has a 10.1m radius TPZ. The canopy is skewed towards the development area. This species is an exempt species in the Northern Beaches LGA yet it still holds a High Retention value due to its good condition, long life expectancy and high significance in the landscape.

Figures 20 & 21: Tree 18 in the landscape next to the existing building (Left) and entrance path. (Right) (Source: Austin 27/11/2024).

7.3 25 Medium (B) Retention Value trees

25 Medium (B) Retention Value trees are in the demolition works area. These trees may be retained and protected. These are considered less critical; however their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered. Reasonable efforts should be made to retain these trees. Key examples include;

7.3.1 Tree 44 *Plumeria rubra var. acutifolia* (Frangipani)

Tree 44 *Plumeria rubra var. acutifolia* (Frangipani) is located adjacent to the front of the building. The tree has good health and average structure with a long life expectancy and medium landscape significance.

Major observations included; limited soil volume.

Figures 22 & 23: Tree 44 in the landscape next to the existing building (Left) and the trunk growing out from under the building. (Right) (Source: Austin 27/11/2024).

7.3.2 Tree 13 *Glochidion ferdinandi* (Cheese Trees)

Tree 13 *Glochidion ferdinandi* (Cheese Tree) is located near the entrance to the existing building. The tree has good health and average structure with a medium life expectancy and medium landscape significance.

Major observations included; Cavity - trunk, Co-dominant stems, Deadwood > 60mm, Trunk Wound(s), Wound response growth - Good

Figure 24: Tree 13 n the landscape overhanging the entrance path. (Source: Austin 27/11/2024).

7.4 48 Low (C) Retention Value trees

48 Low (C) Retention Value trees are in the demolition works area. These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention. These trees may also be easily replaceable due to their small size. Key Examples include;

7.4.1 Tree 45 *Murraya paniculata* (Orange Jessamine)

Trees 45 *Murraya paniculata* (Orange Jessamine) grows Infront of the existing building out of a retaining wall. The tree has a medium life expectancy and low landscape significance.

Figure 25 Tree 45 in the landscape. (Source: Austin 27/11/2024).

7.4.2 Trees 30 *Allocasuarina torulosa* (Forest She-oak)

Trees 30 *Allocasuarina torulosa* (Forest She-oak) is a group of two (2)grows behind the existing building out of a retaining wall. The trees have average health, poor structure, a short life expectancy and low landscape significance.

Figure 26: Trees 30 – group of Two(2) in the landscape. (Source: Austin 27/11/2024).

7.5 Four (4) R Remove Retention Value trees

Four(4) R Remove Trees numbered 14, 21, 29 & 36 are in the demolition works area. These trees are considered hazardous, or in irreversible decline, or weeds located inside the site and should be removed irrespective of development. Key Examples include;

7.5.1 Weed Species inside the site

Weed species inside the site are allocated a R Remove retention value. Weed species should be removed from the site irrespective of the development as they have the potential to spread and decrease the quality of local bushland.

Weed species on the site include;

- *Ligustrum lucidum* (Chinese Privet)

8 Proposed Works.

8.1 Existing layout

The site includes the former Narrabeen RSL building, carparks and grounds which are now vacant in in disrepair.

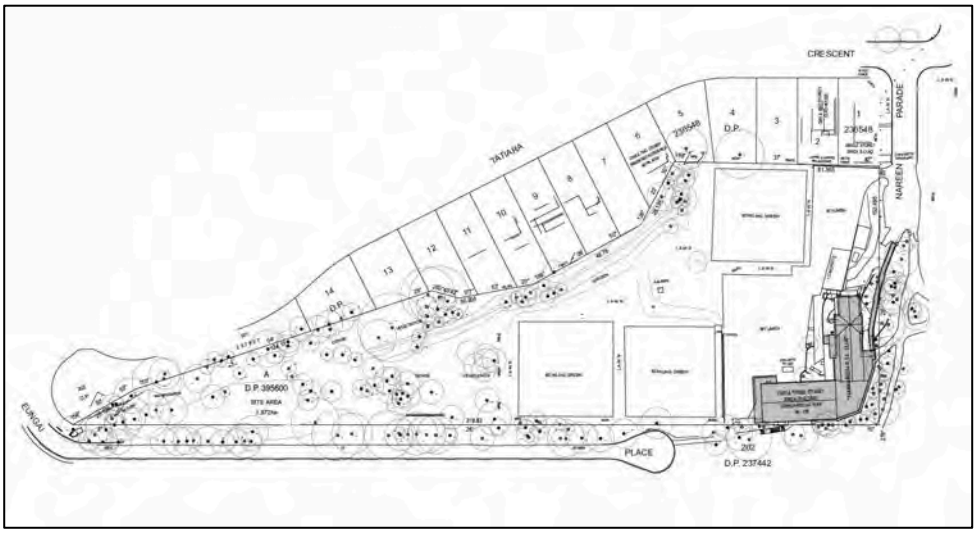


Figure 27: The existing layout. (Source: Existing Site Plan by elo architecture Rev 1 dated 23/01/2025)

8.2 Proposed Demolition

The proposed development works include the demolition of the existing building and entrance pathways.

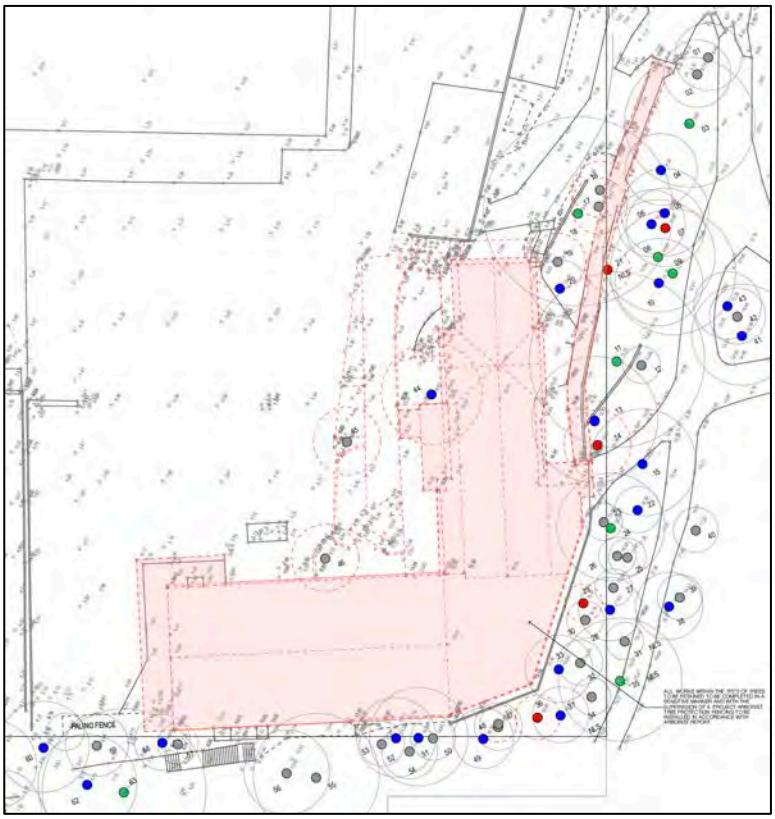


Figure 28: The items to be demolished are shown in pink. (Source: Demolition Plan by elo architecture Rev 1 dated 25/02/2025).

9 Impact from Proposed Works

14 trees are proposed to be removed with the proposed works including One (1) B Retention Value Tree numbered 44, One (1) C Retention Value Tree numbered 45 and 12 sites trees numbered 14, 16, 17, 19, 21, 29, 36, 46, 47(Group of 4) that are exempt species.

23 Site trees including Tree 18 *Jacaranda mimosifolia* (Jacaranda) (Exempt Species yet dominant site feature) will be retained and protected from the demolition woks.

All 48 Council trees in vicinity to the works will be retained and protected.

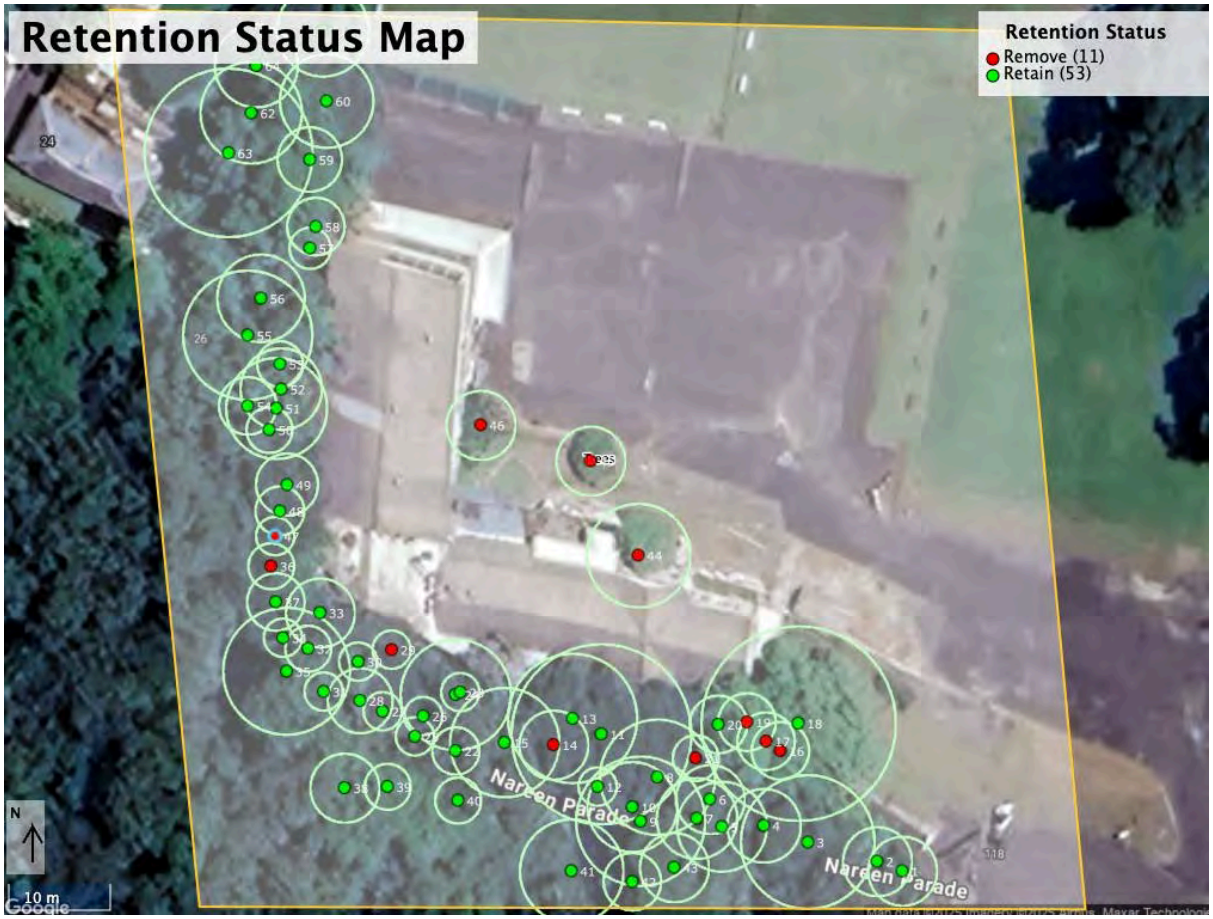


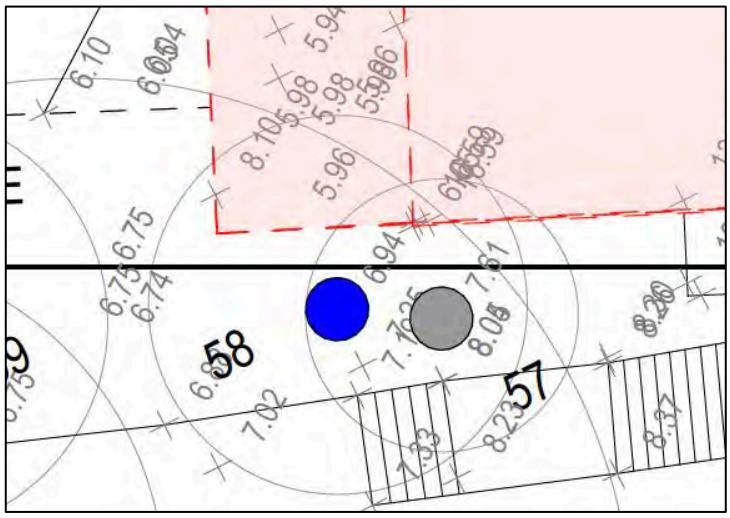
Figure 29: The demolition area Tree Retention Status Map can be observed. See appendix for the larger image. (Source: Tree Plotter 2025)

9.1 71 Trees to be Retained

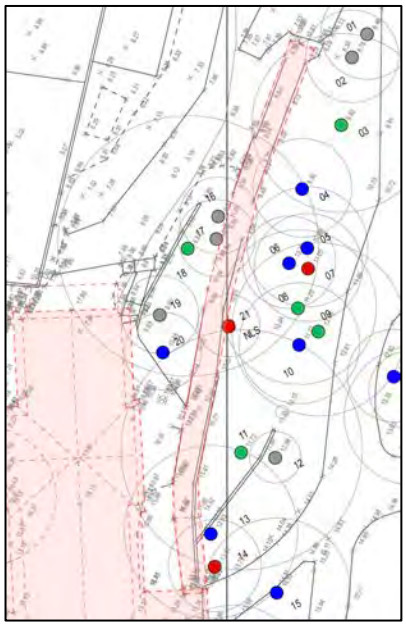
23 Site trees including Tree 18 *Jacaranda mimosifolia* (Jacaranda) (Exempt Species yet dominant site feature) will be retained and protected from the demolition woks. All 48 Council trees in vicinity to the works will be retained and protected. Key works detail include;

9.1.1 Demolition works in the TPZ's

16 trees numbered 2, 3, 4, 9, 11, 13, 18, 20, 24, 50, 51, 52, 53, 57, 58 & 63 have demolition works in the TPZ. Works are to be completed in a sensitive manor working away from the trunk and must include project arborist supervision if machinery is to be utilized. Apart from the main structure, the pathways to be demolished are light weight and built above grade. Tree 13 requires trunk wrapping. No impact to the viability of the trees to be retained is anticipated.



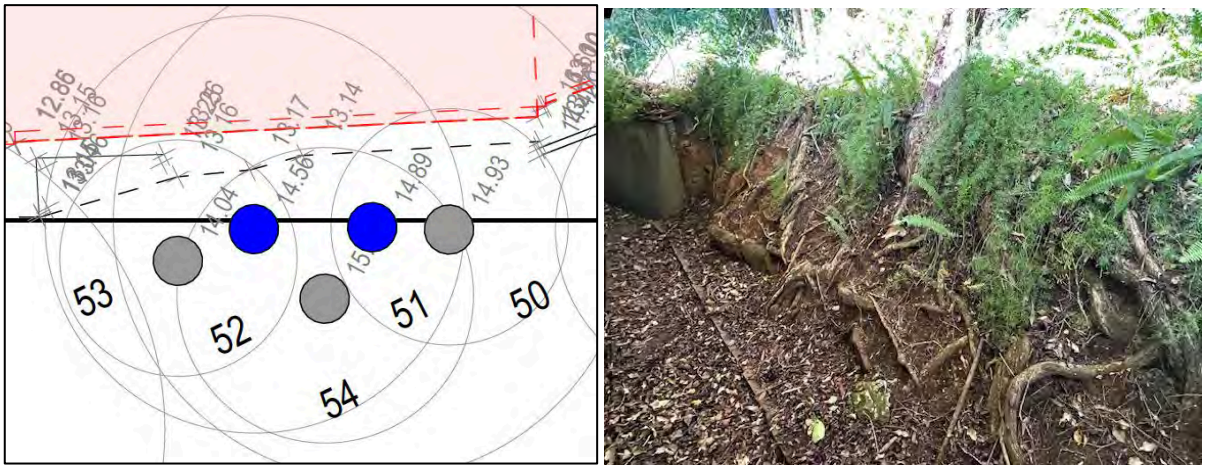
Figures 30 & 31: Council Trees 58 & 57 next to the existing building (Left - Source: Demolition Plan by elo architecture Rev 1 dated 25/02/2025). And Council Trees 57 & 58 next to the building to be demolished. Right) (Source: Austin 27/11/2024).



Figures 32 & 33: The trees next to the existing path can be observed on Plan (Left - Source: Demolition Plan by elo architecture Rev 1 dated 25/02/2025). and the path and light weight path to demolished with sensitive techniques and Arborist Supervision. . Right) (Source: Austin 27/11/2024).

9.1.2 Trees 50 – 53

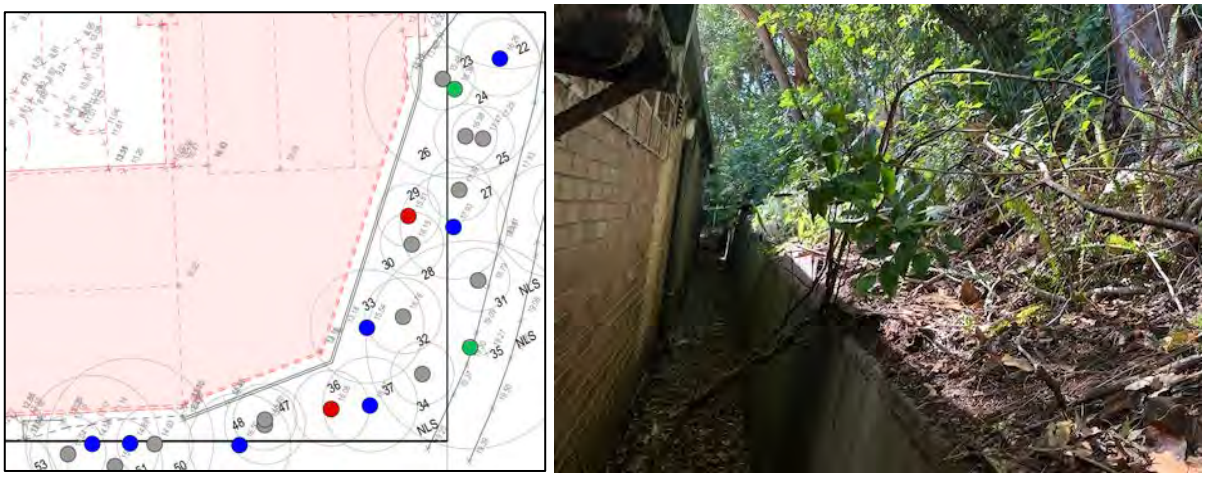
Trees 50 – 53 are separated from the works by a steep bank and concrete path. Works are to be completed in a sensitive manor working away from the trunk and must include project arborist supervision when machinery is to be utilized. Tree Protection fencing is required along the base of the bank.



Figures 34 & 35: Trees 50 – 53 that are separated from the works by a steep bank and concrete path (Left - Source: Demolition Plan by elo architecture Rev 1 dated 25/02/2025). and the steep bank with exposed roots that must be protected by Tree Protection fencing can be observed.(Right - Source: Austin 27/11/2024).

9.1.3 26 Trees protected by Retaining Wall

26 trees are protected by the concrete retaining wall to the south and west of the exiting building. The retaining wall is to remain in situ.



Figures 36 & 37: The 36 trees that are protected behind the existing concrete retaining wall (Left - Source: Demolition Plan by elo architecture Rev 1 dated 25/02/2025). and the concrete retaining wall can be observed., . Right) (Source: Austin 27/11/2024).

9.2 14 Tree Removals

14 trees are proposed to be removed with the proposed works including One (1) B Retention Value Tree numbered 44, One (1) C Retention Value Tree numbered 45 and 13 sites trees numbered 14, 16, 17, 19, 21, 29, 36, 46, 47(Group of 4) that are exempt species in the Northern Beaches Council Area.

9.2.1 Trees 44 & 45

Trees 44 grows from under the existing building and cannot be retained if the building is demolished.

Tree 45 grows in between the landscape walls and cannot be retained if the walls are demolished.

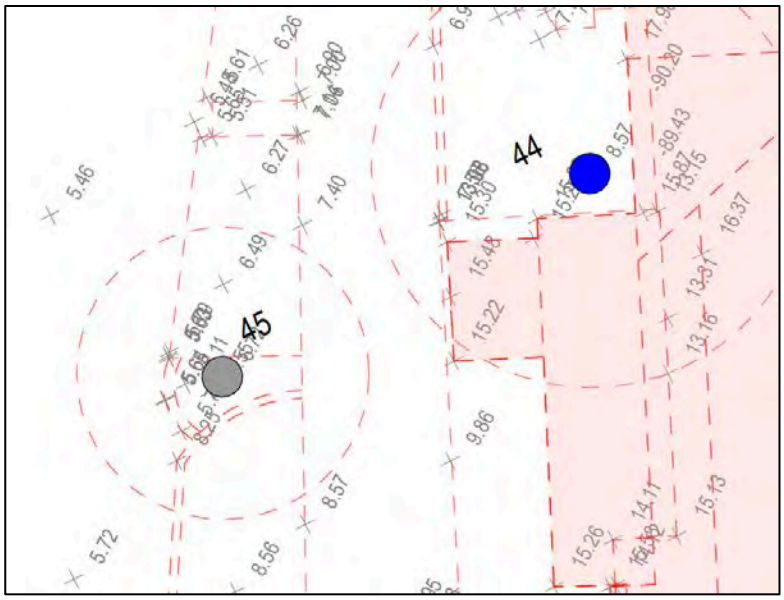


Figure 38: Trees 44 & 45 are protected trees in the demolition footprint. (Source: Demolition Plan by elo architecture Rev 1 dated 25/02/2025).

10 Measures to minimise impacts to retained trees.

23 Site trees including will be retained and protected from the demolition woks. All 48 Council trees in vicinity to the works will also be retained and protected.

In order to minimise the impact to the trees nominated for retention, the following measures must be incorporated into the works.

10.1 Project Arborist

An official “Project Arborist” should be commissioned to oversee the tree protection, any works within the TPZ’s and complete compliance certification. The Project Arborist should have minimum five (5) years industry experience in the field of arboriculture.

10.2 Tree Works

10.2.1 14 Tree Removals

Tree numbers 44 & 45 should be removed at the beginning of the project STCA. 13 sites trees numbered 14, 16, 17, 19, 21, 29, 36, 46, 47(Group of 4) that are exempt species and should also should be removed at the beginning of the project.

The trees nominated for retention must not be damaged during the tree removal works.

10.3 Tree protection fencing

The trees nominated for retention must be fenced as per the fencing method described below and as shown in the attached Tree Protection Plan.

Protective fencing is to be installed as close as practicable from the trunk to the TPZ distances listed in the Tree Data table. Existing site features such as boundary fences and retaining walls will influence the extent of the TPZ fencing. The project arborist is to determine the suitability and extent of the tree protection fencing to be used.

Tree protection fencing must remain intact throughout all proposed construction works and must only be dismantled after the works are complete. The temporary dismantling of tree protection fencing must only be done with the authorisation of the project arborist and/or the responsible authority.

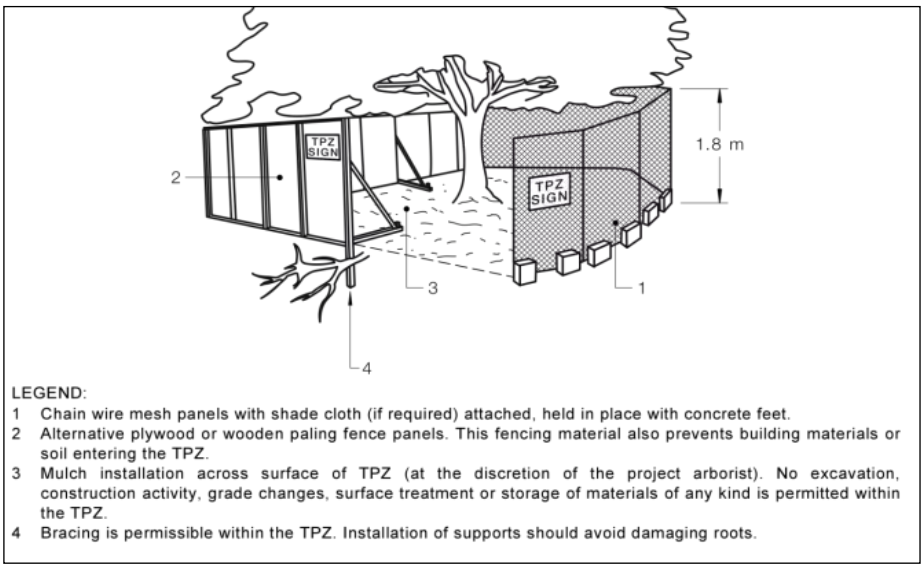


Figure 39: Tree Protection fencing specification. (Source: AS 4970:2009).

10.4 Tree Protection Signage

The tree protection signage below should be installed at 10m intervals along the Tree Protection Fences.

Figure 40: TPZ signage specification. (Source: Austin 2025).

10.5 Trunk wrapping

Tree 13 requires trunk wrapping to a height of 3m, in line with AS 4970:2009.

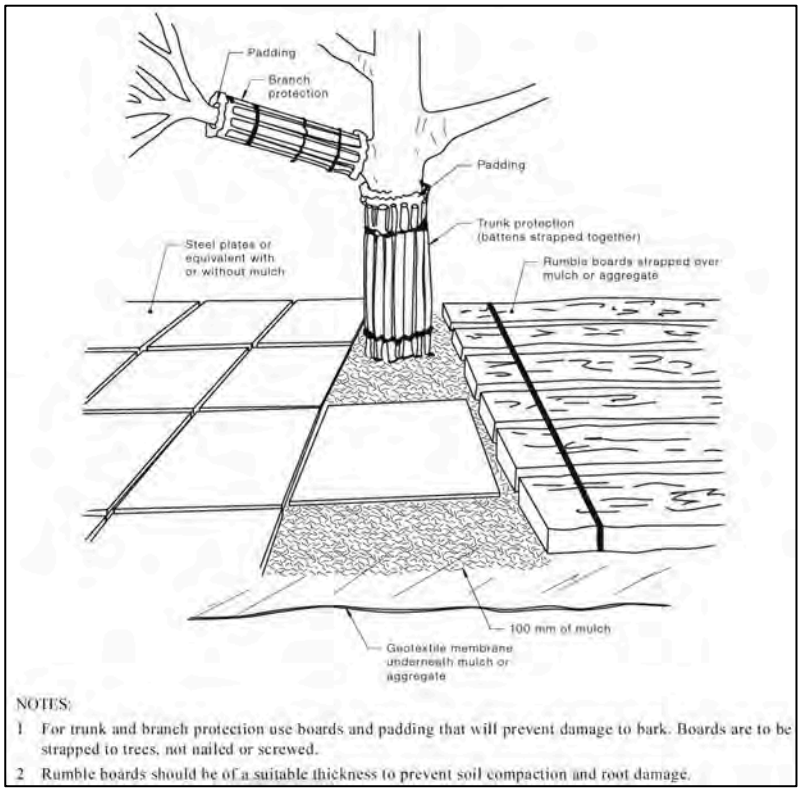


Figure 41: Trunk wrapping guidance. (Source: AS 4970:2009)

10.6 Works within TPZ's

All works within the TPZs must be completed by techniques that do not damage tree roots. Excavation and demolition works should be undertaken using techniques that are sensitive to tree roots to avoid unnecessary damage. Such techniques include:

- Excavation/demolition by hand
- Excavation/demolition by machine with Arborist supervision

Machine excavation is prohibited within the TPZ areas of retained trees unless undertaken at the direct consent from the project arborist and/or the responsible authority.

10.7 Activities Restricted within the TPZ

- Machine excavation without Arborist supervision
- Demolition by machine without Arborist supervision
- Excavation for silt fencing
- Storage unless ground protection measures are applied.
- Preparation of chemicals, including preparation of cement products
- Dumping of waste
- Wash down and cleaning of equipment
- Placement of fill
- Soil level changes
- Temporary or permanent installation of services, utilities, or signs
- Physical damage to the tree
- Parking or driving of vehicles/machinery unless ground protection measures are applied.

10.8 Compliance Inspections & Reports

Inspections should be conducted by the Project Arborist at key points during the construction to ensure that protection measures are being adhered to during construction stages and any decline in tree health or additional remediation measures can be identified.

Tree inspections and compliance reporting by the project arborist is required:

1. At the start of the project following the installation of the Tree Protection Fencing as per the tree protection plan and trunk wrapping for Tree 13.
2. During the demolition of the pathway and building in the TPZ's of 16 trees numbered 2, 3, 4, 9, 11, 13, 18, 20, 24, 50, 51, 52, 53, 57, 58 & 63
3. Every months to ensure compliance.
4. At the practical completion of the project

Following each inspection, the project arborist shall prepare a brief compliance report detailing the condition of the trees. These reports should contain photographic evidence where required to demonstrate that the protection measures are in place as specified.

Any Non-Compliance Statements shall be submitted to the Project Manager (as well as the clients' nominated representative) if tree protection conditions have been breached. Reports should contain clear remedial action specifications to minimise any adverse impact on any subject tree.

11 Conclusion

This Arboricultural Impact Assessment has provided a detailed analysis of the trees that could be affected by development on the subject site. The requirements for Tree Preservation Zones are in line with AS 4970:2009 *Protection of tree on development sites.* No impact to the viability of the trees nominated for retention is anticipated if the protection measures are applied as per the guidance in this report.

12 References

Australian Standard 4970: 2009 *Protection of trees on development sites.*

British Standard 5837:2012 *Trees in relation to design, demolition and construction – Recommendations.*

13 Industry Qualifications

- AQF Level 5 & 8 Consulting Arborist.
- ISA Certified Arborist # AU-0348A
- Tree Risk Assessment Qualification (TRAQ) (Exp Oct 2028)
- Advanced Quantified Tree Risk Assessment Registered User # 3692
- Masters of Environmental Law

14 Appendices

14.1 Tree Data

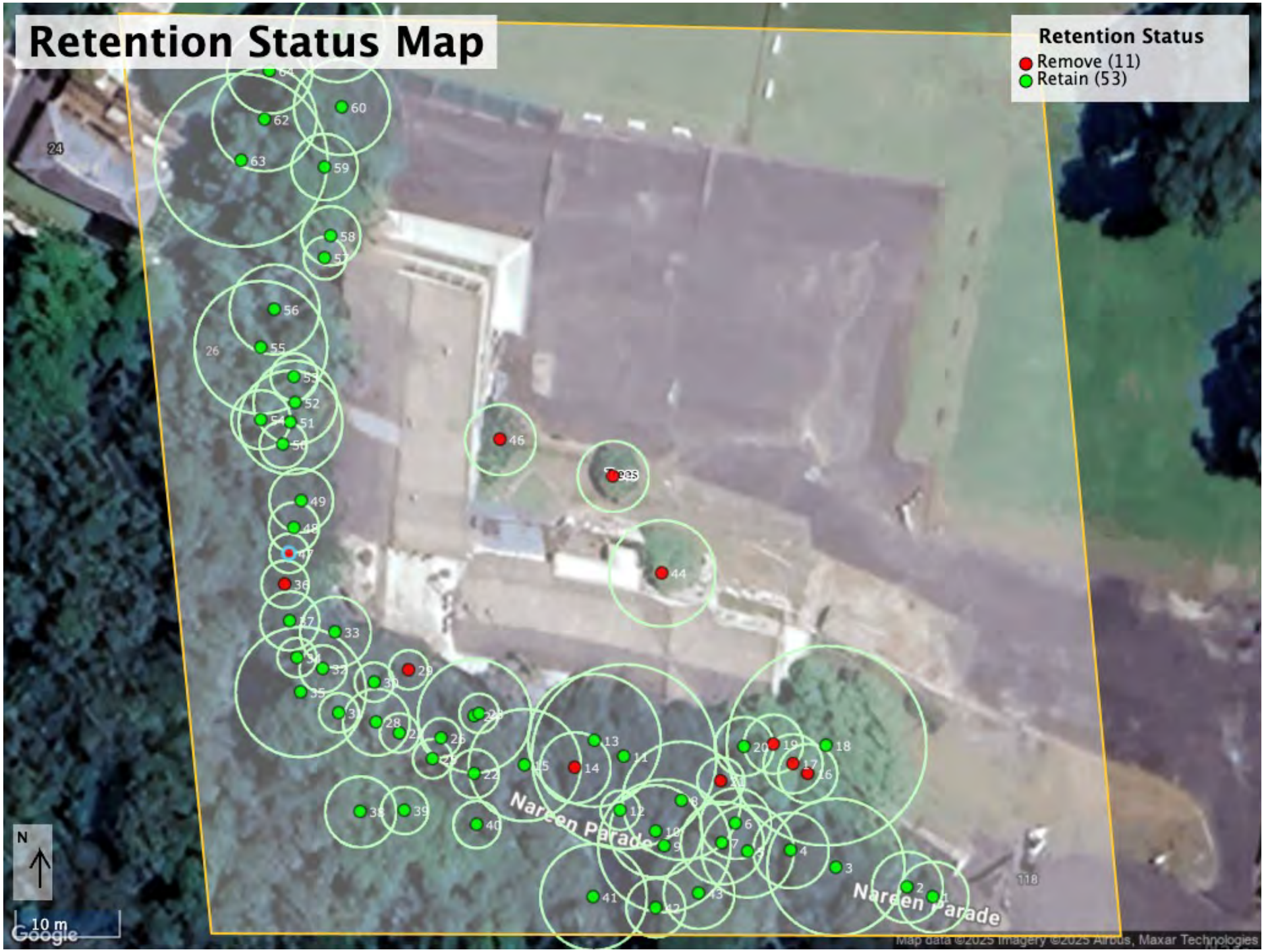
14.2 Tree Retention / Removal Map

14.3 Tree Protection Plan

Tree Id	Tree Ownership	Common Name	Botanical Name	Trees In Group	Tree Age	DBH [cm]	Root Crown Diameter [cm]	TPZ Radius [m]	TPZ Area [m2]	SRZ Radius [m]	Height [m]	Canopy Diameter [m]	Health	Structure	Significance	ULE [Yrs.]	Observations	Habitat Features	Recommendations	Arborist Notes	Landscape Significance	Retention Value	Works Area	Likley Impact	Tree Protection Requirements	Retention Status
1	Council Land - Nareen Prde.	Crepe Myrtle	*Lagerstroemia indica*	1	Mature	30	30	3.6	40.69	2	8	4	Good	Average	Amenity value, Exempt species	Medium (15-40 years)	Co-dominant stems	None Observed			Low	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
2	Council Land - Nareen Prde.	Oleander	*Nerium oleander*	1	Mature	30	30	3.6	40.69	2	6	6	Good	Average	Exempt species	Medium (15-40 years)	Co-dominant stems	None Observed			Low	C	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
3	Council Land - Nareen Prde.	Smooth-barked Apple Myrtle	*Angophora costata*	1	Mature	58	68	6.96	152.11	2.81	18	12	Good	Good	Amenity value	Long (>40 years)	Deadwood > 30mm	None Observed			High	A	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
4	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Mature	32.02	40	3.84	46.3	2.25	12	8	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Vine	None Observed	Weed control	Sever vine	Medium	B	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
5	Council Land - Nareen Prde.	Southern Mahogany	*Eucalyptus botryoides*	1	Semi-Mature	39	45	4.68	68.77	2.37	15	10	Average	Average	Amenity value	Medium (15-40 years)	Crossing/rubbing branches, Previous branch failure(s), Suppressed	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
6	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	3	Semi-Mature	30	30	3.6	40.69	2	12	10	Good	Average	Amenity value, Within group	Medium (15-40 years)	Co-dominant stems, Suppressed	None Observed		Service line	Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
7	Council Land - Nareen Prde.	Chinese Privet	*Ligustrum lucidum*	1	Semi-Mature	35	38	4.2	55.39	2.2	12	6	Average	Average	Exempt species	Short (5-15 years)	Suppressed, Undesirable species	None Observed			Environmental Pest / Noxious Weed Species	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
8	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Over-Mature	50	65	6	113.04	2.76	15	15	Good	Good	Amenity value	Long (>40 years)	Co-dominant stems, Deadwood > 60mm	None Observed	Remove deadwood > 30mm	Service line	High	A	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
9	Council Land - Nareen Prde.	Southern Mahogany	*Eucalyptus botryoides*	1	Mature	56	68	6.72	141.8	2.81	22	12	Good	Average	Amenity value	Long (>40 years)	Co-dominant stems, Deadwood > 100mm, Previous branch failure(s), Trunk Wound(s), Wound response growth - Good	None Observed	Remove deadwood > 30mm		High	A	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
10	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	39	45	4.68	68.77	2.37	14	12	Good	Average	Amenity value	Medium (15-40 years)	Deadwood > 60mm, Suppressed	None Observed	Remove deadwood > 30mm		Low	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
11	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Mature	78	88	9.36	275.09	3.14	18	12	Good	Good	Age/size, Amenity value	Long (>40 years)	Co-dominant stems, Included bark, Trunk Wound(s), Wound response growth - Good	None Observed			High	A	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
12	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	15	16	2	12.56	1.53	9	4	Good	Average	Amenity value	Medium (15-40 years)	Suppressed, Vine	None Observed	Weed control	Sever vine	Low	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
13	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Mature	56	65	6.72	141.8	2.76	12	12	Good	Average	Amenity value	Medium (15-40 years)	Cavity - trunk, Co-dominant stems, Deadwood > 60mm, Trunk Wound(s), Wound response growth - Good	None Observed	Remove deadwood > 30mm	Minor cavity	Medium	B	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
14	Client site	Chinese Privet	*Ligustrum lucidum*	1	Semi-Mature	30	33	3.6	40.69	2.08	9	12	Average	Average	Exempt species	Short (5-15 years)	Co-dominant stems, Epicormic growth - Shoots, Suppressed	None Observed	Removal		Environmental Pest / Noxious Weed Species	R	Demolition Works Area		NA	Remove
15	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Mature	47.42	55	5.69	101.66	2.57	12	12	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Deadwood Minor, Included bark	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
16	Client site	Cocos Palm	*Syagrus romanzoffiana*	1	Mature	25	25	3	28.26	1.85	10	5	Good	Average	Exempt species	Medium (15-40 years)	Co-dominant stems	None Observed		Clump of 3	Low	C	Demolition Works Area	Demolition works in TPZ	NA	Remove
17	Client site	Cocos Palm	*Syagrus romanzoffiana*	1	Mature	25	25	3	28.26	1.85	12	5	Good	Good	Exempt species	Medium (15-40 years)		None Observed			Low	C	Demolition Works Area	Demolition works in TPZ	NA	Remove
18	Client site	Jacaranda	*Jacaranda mimosifolia*	1	Mature	84.32	90	10.12	321.58	3.17	14	22	Good	Average	Amenity value, Dominant landscape feature, Exempt species	Long (>40 years)	Co-dominant stems	None Observed			High	A	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
19	Client site	Cocos Palm	*Syagrus romanzoffiana*	1	Mature	25	25	3	28.26	1.85	12	5	Good	Good	Exempt species	Medium (15-40 years)	Undesirable species	None Observed			Low	C	Demolition Works Area	Demolition works in TPZ	NA	Remove
20	Client site	Rough Tree Fern	*Cyathea cooperii*	1	Mature	25	25	3	28.26	1.85	9	4	Good	Good	Amenity value	Medium (15-40 years)	Co-dominant stems	None Observed			Medium	B	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
21	Client site	Chinese Privet	*Ligustrum lucidum*	1	Semi-Mature	20	22	2.4	18.09	1.75	10	10	Average	Very Poor	Exempt species	Limited (<5 years)	Previous branch failure(s), Suppressed, Trunk Wound(s)	None Observed			Environmental Pest / Noxious Weed Species	R	Demolition Works Area	Demolition works in TPZ	NA	Remove
22	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	20.62	25	2.47	19.16	1.85	10	6	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect

Tree Id	Tree Ownership	Common Name	Botanical Name	Trees In Group	Tree Age	DBH [cm]	Root Crown Diameter [cm]	TPZ Radius [m]	TPZ Area [m2]	SRZ Radius [m]	Height [m]	Canopy Diameter [m]	Health	Structure	Significance	ULE [Yrs.]	Observations	Habitat Features	Recommendations	Arborist Notes	Landscape Significance	Retention Value	Works Area	Likley Impact	Tree Protection Requirements	Retention Status
23	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	12	14	2	12.56	1.45	7	4	Good	Average		Medium (15-40 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
24	Council Land - Nareen Prde.	Smooth-barked Apple Myrtle	*Angophora costata*	1	Mature	48	55	5.76	104.18	2.57	16	12	Good	Good	Amenity value	Long (>40 years)	Deadwood > 60mm, Epicormic growth - Shoots, Limited soil volume	None Observed		Growing next to retaining wall.	High	A	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
25	Council Land - Nareen Prde.	Sweet Pittosporum	*Pittosporum undulatum*	1	Semi-Mature	15	16	2	12.56	1.53	7	4	Average	Average	Exempt species	Short (5-15 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
26	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	12	14	2	12.56	1.45	7	7	Good	Average		Medium (15-40 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
27	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	7	Semi-Mature	12	14	2	12.56	1.45	9	4	Good	Good	Amenity value, Within group	Long (>40 years)	Co-dominant stems	None Observed		Group of small trees.	Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
28	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	28.28	32	3.39	36.09	2.05	11	8	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Powerline clearance pruning	None Observed			Medium	B	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
29	Client site	Forest She-oak	*Allocasuarina torulosa*	1	NA	10	12	2	12.56	1.36	6	6	Dead	Very Poor	Exempt species	Dead		None Observed			Hazardous / Irreversible Decline	R	Demolition Works Area	Protected by boundary retaining wall	NA	Remove
30	Client site	Forest She-oak	*Allocasuarina torulosa*	2	Semi-Mature	15	17	2	12.56	1.57	8	6	Average	Poor	Within group	Short (5-15 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
31	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	12	14	2	12.56	1.45	8	4	Good	Good		Medium (15-40 years)		None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
32	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	20	22	2.4	18.09	1.75	10	6	Good	Average	Amenity value	Medium (15-40 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
33	Client site	Smooth-barked Apple Myrtle	*Angophora costata*	1	Semi-Mature	30	35	3.6	40.69	2.13	15	8	Average	Average	Amenity value	Medium (15-40 years)	Sap exudation, Suppressed, Trunk Wound(s), Wound response growth - Good	None Observed			Medium	B	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
34	Client site	Cheese Tree	*Glochidion ferdinandi*	7	Semi-Mature	15	18	2	12.56	1.61	9	4	Good	Good	Within group	Long (>40 years)		None Observed		Group of 7	Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
35	Client site	Grey Ironbark	*Eucalyptus paniculata*	1	Mature	55	60	6.6	136.78	2.67	20	12	Good	Good	Amenity value	Long (>40 years)		None Observed			High	A	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
36	Client site	Chinese Privet	*Ligustrum lucidum*	1	Semi-Mature	20	22	2.4	18.09	1.75	9	6	Average	Average	Exempt species	Medium (15-40 years)		None Observed			Environmental Pest / Noxious Weed Species	R	Demolition Works Area	Protected by boundary retaining wall	NA	Remove
37	Client site	Cheese Tree	*Glochidion ferdinandi*	2	Semi-Mature	25	25	3	28.26	1.85	12	6	Good	Average	Amenity value, Within group	Long (>40 years)	Co-dominant stems	None Observed		Group of 2	Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
38	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	30	33	3.6	40.69	2.08	12	8	Good	Good		Medium (15-40 years)	Co-dominant stems, Powerline clearance pruning, Trunk Wound(s), Wound response growth - Good	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
39	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	2	Semi-Mature	20	22	2.4	18.09	1.75	10	6	Good	Average	Amenity value	Short (5-15 years)	Co-dominant stems, Suppressed	None Observed			Low	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
40	Council Land - Nareen Prde.	Cheese Tree	*Glochidion ferdinandi*	2	Semi-Mature	20	22	2.4	18.09	1.75	10	6	Average	Average	Amenity value	Short (5-15 years)	Co-dominant stems, Suppressed, Vine	None Observed	Weed control	Sever vine	Low	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
41	Council Land - Nareen Prde.	Red Bloodwood	*Corymbia gummifera*	1	Mature	45	52	5.4	91.56	2.51	15	10	Average	Good	Amenity value	Medium (15-40 years)	Deadwood > 100mm, Epicormic growth - Shoots	None Observed	Remove deadwood > 30mm		Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
42	Council Land - Nareen Prde.	Chinese Privet	*Ligustrum lucidum*	1	Semi-Mature	25	25	3	28.26	1.85	8	8	Good	Good	Weed species	Short (5-15 years)		None Observed	Consider removing		Environmental Pest / Noxious Weed Species	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
43	Council land	Southern Mahogany	*Eucalyptus botryoides*	1	Semi-Mature	30	35	3.6	40.69	2.13	12	12	Good	Good	Amenity value	Long (>40 years)		None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
44	Client site	Frangipani	*Plumeria rubra var. acutifolia*	1	Mature	45	45	5.4	91.56	2.37	8	10	Good	Average	Amenity value, Landscape feature	Long (>40 years)	Limited soil volume	None Observed		Growing against building slab	Medium	B	Demolition Works Area	Inbetween structures to be demolished.	NA	Remove
45	Client site	Orange Jessamine	*Murraya paniculata*	1	Mature	30	30	3.6	40.69	2	5	6	Good	Good	Amenity value	Medium (15-40 years)	Co-dominant stems	None Observed		Within retaining wall	Low	C	Demolition Works Area	Inbetween structures to be demolished.	NA	Remove
46	Client site	Oleander	*Nerium oleander*	1	Mature	30	30	3.6	40.69	2	6	6	Average	Average	Exempt species	Medium (15-40 years)		None Observed			Low	C	Demolition Works Area		NA	Remove
47	Client site	Chinese Privet	*Ligustrum lucidum*	4	Semi-Mature	15	16	2	12.56	1.53	9	4	Good	Average	Exempt species, Weed species	Short (5-15 years)		None Observed	Consider removing		Environmental Pest / Noxious Weed Species	C	Demolition Works Area		NA	Remove

Tree Id	Tree Ownership	Common Name	Botanical Name	Trees In Group	Tree Age	DBH [cm]	Root Crown Diameter [cm]	TPZ Radius [m]	TPZ Area [m2]	SRZ Radius [m]	Height [m]	Canopy Diameter [m]	Health	Structure	Significance	ULE [Yrs.]	Observations	Habitat Features	Recommendations	Arborist Notes	Landscape Significance	Retention Value	Works Area	Likley Impact	Tree Protection Requirements	Retention Status
48	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	21.21	25	2.55	20.42	1.85	7	6	Average	Average	Amenity value	Short (5-15 years)	Co-dominant stems, Suppressed	None Observed			Low	C	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
49	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	26.91	25	3.23	32.76	1.85	8	6	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems	None Observed			Medium	B	Demolition Works Area	Protected by boundary retaining wall	Not Required.	Retain and Protect
50	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	20	20	2.4	18.09	1.68	8	4	Good	Average	Amenity value	Medium (15-40 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
51	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Mature	43.87	55	5.26	86.88	2.57	12	10	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Exposed roots	None Observed			Medium	B	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
52	Client site	Cheese Tree	*Glochidion ferdinandi*	1	Mature	35.36	45	4.24	56.45	2.37	16	12	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Exposed roots	None Observed			Medium	B	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
53	Council Land Vacant lot	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	20	22	2.4	18.09	1.75	9	6	Average	Average	Amenity value	Short (5-15 years)	Suppressed	None Observed			Low	C	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works, Tree Protection Fencing	Retain and Protect
54	Council Land Vacant lot	Weeping Fig	*Ficus benjamina*	1	Semi-Mature	25	25	3	28.26	1.85	8	8	Average	Average	Amenity value, Exempt species, Within group	Medium (15-40 years)	Co-dominant stems	None Observed		Group of 2	Low	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
55	Council Land Vacant lot	Sydney Peppermint	*Eucalyptus piperita*	1	Mature	56	64	6.72	141.8	2.74	15	12	Average	Poor	Amenity value	Short (5-15 years)	Canopy Dieback, Canopy thinning, Deadwood > 100mm, Epicormic growth - Shoots, Suppressed, Trunk Wound(s), Unbalanced crown, Wound response growth - Poor	None Observed	Consider removing, Remove deadwood > 30mm	Tree leans over site due to suppression	Medium	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
56	Council Land Vacant lot	Hickory Wattle	*Acacia falciformis*	1	Mature	38	44	4.56	65.29	2.34	14	13	Average	Poor	Amenity value	Short (5-15 years)	Canopy Dieback, Deadwood > 60mm, Suppressed, Vine	None Observed	Consider removing, Remove deadwood > 60mm, Weed control	Tree smoothing vine, leaning over site.	Medium	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
57	Council Land Vacant lot	Camellia	*Camellia sasanqua*	1	Semi-Mature	18	18	2.16	14.65	1.61	6	6	Good	Good	Amenity value	Medium (15-40 years)		None Observed			Low	C	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works,	Retain and Protect
58	Council Land Vacant lot	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	25	25	3	28.26	1.85	10	10	Average	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Poor pruning	None Observed		Previously lopped at 2.5m	Medium	B	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works,	Retain and Protect
59	Council Land Vacant lot	Cheese Tree	*Glochidion ferdinandi*	1	Semi-Mature	28	30	3.36	35.45	2	8	8	Poor	Poor	Amenity value	Short (5-15 years)	Canopy Dieback, Canopy thinning, Deadwood > 60mm, Epicormic growth - Shoots, Suppressed	None Observed	Consider removing, Remove deadwood > 30mm	Leans over site	Low	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
60	Council Land Vacant lot	Cheese Tree	*Glochidion ferdinandi*	1	Mature	40.62	45	4.87	74.47	2.37	10	9	Average	Average	Amenity value	Medium (15-40 years)	Canopy thinning, Co-dominant stems, Included bark, Trunk Wound(s), Wound response growth - Good	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
61	Council Land Vacant lot	Chinese Privet	*Ligustrum lucidum*	1	Mature	40	40	4.8	72.35	2.25	8	4	Average	Poor	Exempt species, Weed species	Short (5-15 years)	Canopy Dieback, Co-dominant stems, Epicormic growth - Shoots	None Observed	Consider removing		Environmental Pest / Noxious Weed Species	C	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
62	Council Land Vacant lot	Cheese Tree	*Glochidion ferdinandi*	1	Mature	44	48	5.28	87.54	2.43	10	10	Good	Average	Amenity value	Medium (15-40 years)	Co-dominant stems, Crossing/rubbing branches, Suppressed	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect
63	Council Land Vacant lot	Jacaranda	*Jacaranda mimosifolia*	1	Mature	73	80	8.76	240.96	3.01	18	22	Good	Good	Age/size, Amenity value, Exempt species	Long (>40 years)	Co-dominant stems, Crossing/rubbing branches, Deadwood > 60mm	None Observed	Remove deadwood > 30mm	Stormwater pit between tree and site.	High	A	Demolition Works Area	Demolition works in TPZ	Arborist Supervision of Works,	Retain and Protect
64	Council Land Vacant lot	Cheese Tree	*Glochidion ferdinandi*	1	Mature	36	40	4.32	58.6	2.25	10	10	Good	Average	Amenity value	Long (>40 years)	Suppressed	None Observed			Medium	B	Demolition Works Area	No impact anticipated	Tree Protection Fencing	Retain and Protect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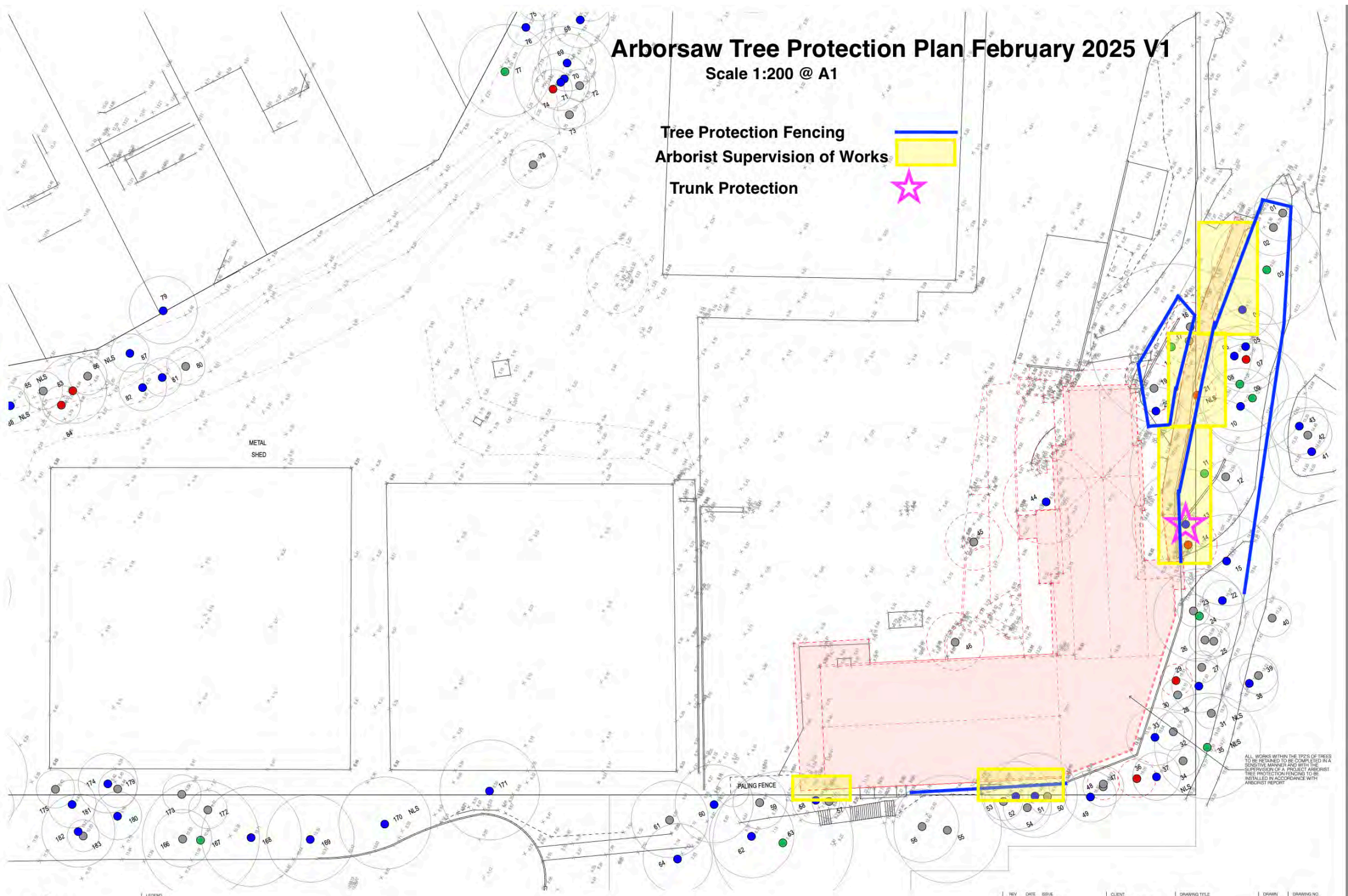
Map data ©2025 Imagery ©2025 Airbus, Maxar Technologies

Arborsaw Tree Protection Plan February 2025 V1

Scale 1:200 @ A1



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Nominated Architect
Moira Zagmas NSW ARB 12075

LEGEND

EXISTING BUILDING/ROOF STRUCTURE TO BE DEMOLISHED

EXISTING PATHS/RETAINING WALLS TO BE DEMOLISHED

The drafter shall check all dimensions and levels on site prior to construction. Notify any errors, discrepancies or omissions to the architect. Refer to written dimensions only. Do not scale drawings. Drawings shall not be used for construction purposes until issued for construction. This drawing reflects a design by Elo Architecture and is to be used only for work when authorised in writing by Elo Architecture.

REV	DATE	ISSUE
01	25/2/2025	ISSUE FOR DA

CLIENT
GMT Properties Pty Ltd

PROJECT
Demolition of Existing Structures

DRAWING TITLE
Demolition Plan

STAGE
Development Application

ADDRESS
116 Nareen Parade North Narrabeen 2101
Lot A DP395600

DRAWN
MZ

CHECKED

SCALE
1:200
@ A1

DRAWING NO.
DA02

REVISION NO.
01