

Arboricultural Impact Assessment

65 Huntingwood Drive, Huntingwood.

Prepared for:
Charter Hall Holdings Pty. Ltd

Prepared by:
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1 EXECUTIVE SUMMARY

Truth About Trees Pty. Ltd have been engaged by FDC Building on behalf of the owner, Charter Hall Holdings Pty Ltd, to prepare an Arboricultural Impact Assessment report in accordance with the requirements of AS4970-2009- The Protection of Trees on Development Sites.¹

The purpose of this assessment is to provide a detailed Arboricultural Impact Assessment (AIA) in relation to a proposed development at 65 Huntingwood Drive, Huntingwood.

Assessment of the trees was undertaken using the framework of the visual tree assessment procedure (VTA) as prescribed by Mattheck & Breloer 1994.²

The scope of the report was to inspect and assess all trees directly adjacent to the proposed development where trees had the potential to be impacted upon by the proposed works.

Tree Protection Zones and Structural Root Zones were calculated in accordance with AS4970-2009- The Protection of Trees on Development Sites (see appendix 1).

Tree Retention Values were determined using the IACA 'Significance of a Tree, Assessment Rating System'³ (see appendix 1).

The site is known as 65 Huntingwood Drive, Huntingwood and is legally described as Lot 1 DP866251.

The site is located within the Huntingwood Industrial Estate, 32km west of the Sydney CBD and 4km south of Blacktown Town Centre. The site is situated along the southern boundary of Huntingwood, bordering the Western Motorway (M4) to the south and Huntingwood Drive to the north.

The existing site is heavily landscaped, with a double avenue of *Corymbia citriodora*-Lemon-scented Gum, lining the existing driveway entrance and circling the grassed oval which currently functions as a detention basin. The roundabout at the end of the driveway is lined with *Platanus x orientalis*-Oriental Plane tree and the existing car park is lined with *Melaleuca styphelioides*- Prickly-leaved Paperbark. The area in the south-eastern corner of the proposed development site is monoculture planting of *Eucalyptus paniculata*- Grey Ironbark.

Viewed collectively, the trees throughout the site provide good amenity value for the staff working within the facility, however, when assessed individually, there were no trees which were deemed to be of high significance or high retention value.

Of the trees assessed for this proposal two hundred and seventy-four (274) trees were of medium retention value, forty-nine (49) trees were of low retention value and twenty-two (22) trees were of very low retention value due to being considered as hazardous.

A total of three hundred and forty-five (345) trees were assessed for this report, including twenty-three (23) council street trees adjacent to the proposed development site.

The proposed development will require the removal of two hundred and sixty (260) trees, ten (10) of which are considered as hazardous.

A further twelve (12) trees are recommended for removal due to being of hazardous structure but are unaffected by the proposed development.

Seventy-three (73) trees including the council street trees are suitable for retention.

¹ AS4970-2009- The Protection of Trees on Development Sites.

² Mattheck & Breloer- The Body Language of Trees 1994.

³ IACA- Significance of a Tree Assessment Rating System (STARS)

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3 INTRODUCTION

Truth About Trees Pty. Ltd. have been engaged by FDC Building on behalf of the owner, Charter Hall Holdings Pty Ltd to prepare an Arboricultural Impact Assessment report in accordance with the requirements of AS4970-2009- The Protection of Trees on Development Sites.⁴

The purpose of this assessment is to provide a detailed Arboricultural Impact Assessment (AIA) in relation to a proposed development at 65 Huntingwood Drive Huntingwood which is subject to a state significant development proposal.

The site is known as 65 Huntingwood Drive, Huntingwood and is legally described as Lot 1 DP866251.

The site is located within the Huntingwood Industrial Estate, 32km west of the Sydney CBD and 4km south of Blacktown Town Centre. The site is situated along the southern boundary of Huntingwood, bordering the Western Motorway (M4) to the south and Huntingwood Drive to the north.

The site is occupied by the existing Arnott's Biscuits food processing (bakery) facility which operates 24 hours a day, seven days a week. The site currently contains three large freestanding industrial buildings, the main 'L-shaped' processing building to the north and two warehouses to the south. The balance of the site includes small ancillary buildings, car parking, loading areas and privately used open space. The north-west corner of the site currently acts as an on-site detention (OSD) basin.

The north-western edge of the site sits up to approximately 4m above the surrounding road reserves. The balance of the site is reasonably flat with a slight fall towards the north-west.

Vehicular access to the site for light vehicles is via an existing entry and exit driveway (Liberty Road) at the Huntingwood Drive frontage. Separate heavy vehicle access to the site is available from Huntingwood Drive adjacent to the eastern boundary. Heavy vehicle access to the high-bay warehouse is also available from Brabham Drive.

An overview of the proposed development is provided in table 1 below.

Table 1- Overview of the proposed development provided by the client.

| Element | Proposed |
|---------------------|---|
| Site Preparation | <p>Removal of existing car parking, driveway and ancillary structures.</p> <p>Vegetation clearing.</p> <p>Excavation for car park and bulk earthworks and supporting structures.</p> <p>Drainage connections.</p> <p>Land stabilisation.</p> |
| Development summary | <p>Construction of a new processing facility covering approximately 24,775sqm with first floor amenities in the northwest corner of the site.</p> <p>Construction of a new ingredient silo building (1000sqm) along the Huntingwood Drive frontage.</p> <p>Construction of a storage building (270sqm) to the east of the existing building.</p> <p>Construction of a new processing building (1200 sqm) and ingredient silo building (120 sqm) to the south of the new facility.</p> |

⁴ AS4970-2009- The Protection of Trees on Development Sites.

| Element | Proposed |
|--------------------|--|
| | <p>Replacement of the existing on site detention basin (OSD) with an OSD tank below the basement car park.</p> <p>Landscaped setbacks along both street frontages to screen the new processing facility and loading area.</p> |
| Access and Parking | <p>New loading area above two levels of car parking (468 spaces) at the north-west corner of Huntingwood Drive and Brabham Drive.</p> <p>Trucks will utilise the existing access point adjacent to the eastern boundary of the site.</p> <p>The existing (westernmost) vehicle access to Huntingwood Drive will be retained and upgraded to provide access to the new basement car park.</p> |

4 METHODOLOGY

Assessment of the trees was undertaken using the framework of the visual tree assessment procedure (VTA) as prescribed by Mattheck & Breloer 1994.⁵

The scope of the report was to inspect and assess all trees directly adjacent to the proposed development where trees had the potential to be impacted upon by the proposed works.

- No internal diagnostic testing has been completed.
- No sub surface root testing or soil testing has been completed.
- All observations were made from the ground only.
- Tree height, canopy spreads and trunk diameters have been estimated.

Details provided for each tree are as follows—

- correct botanical identification and common name.
- health & vigour.
- structure.
- dimensions, height, crown spread, DBH & DAB.
- age class.
- estimated life expectancy.
- retention value in accordance with the STARS system.

Tree Protection Zones and Structural Root Zones were calculated in accordance with AS4970-2009- The Protection of Trees on Development Sites (see appendix 1).

Tree Retention Values were determined using the IACA ‘Significance of a Tree, Assessment Rating System’⁶ (see appendix 1).

4.1 DOCUMENT SCHEDULE

The documents for the disciplines listed below have been provided to me by the client and have been relied upon to complete my assessment.

Table 2- Document schedule.

| Discipline | Prepared By |
|-----------------------|---|
| Architectural package | HLA Architects (May 13 th) |
| Civil package | Sparks & Partners (May 13 th) |
| Structural plans | Triaxial Consulting (May 13 th) |
| Landscape plans | Site Image (May 13 th) |
| Hydraulic plans | Sparks & Partners (May 18 th) |

⁵ Mattheck & Breloer- The Body Language of Trees 1994.

⁶ IACA- Significance of a Tree Assessment Rating System (STARS)

5 SITE DETAILS

The site is located at 65 Huntingwood Drive, Huntingwood as shown yellow in figure 1 below.

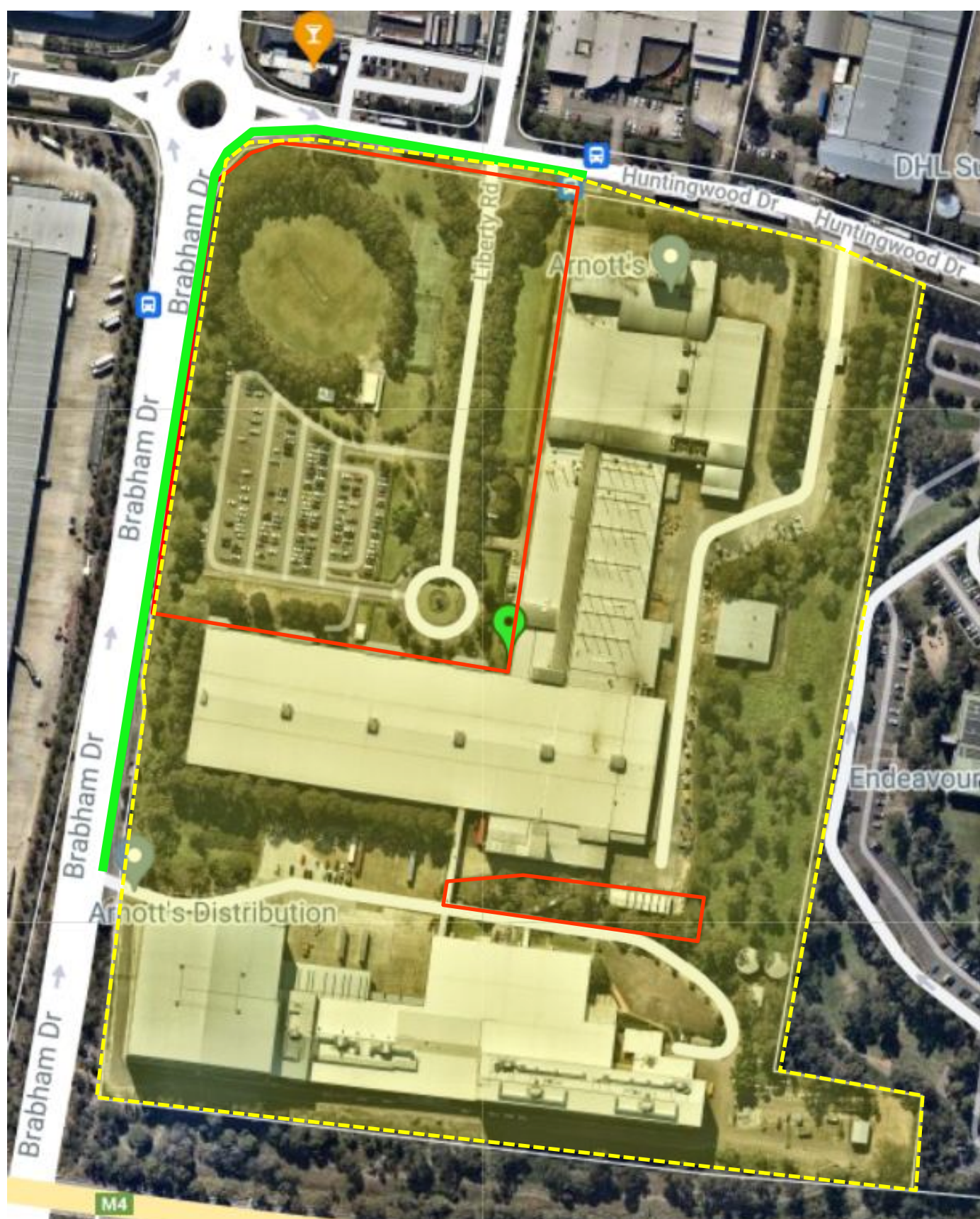


Figure 1- The entire site (shaded yellow), Surveyed site trees (red areas) and surveyed council street trees (green).

6 TREE SCHEDULE

Table 3- Tree schedule

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|-------------|-------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 1 | Corymbia citriodora | Lemon-scented Gum | 18 | 9 | Good | 450 | 500 | 5400 | 2474 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 2 | Corymbia citriodora | Lemon-scented Gum | 18 | 9 | Good | 350 | 450 | 4200 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 3 | Corymbia citriodora | Lemon-scented Gum | 18 | 9 | Good | 300 | 380 | 3600 | 2204 | Mature | Poor form | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 4 | Corymbia citriodora | Lemon-scented Gum | 18 | 9 | Good | 380 | 460 | 4560 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 5 | Corymbia citriodora | Lemon-scented Gum | 11 | 6 | Fair | 250 | 300 | 3000 | 1996 | Semi-mature | Suppressed | Low | Short | Low | Tree is within construction footprint | Remove |
| 6 | Corymbia citriodora | Lemon-scented Gum | 19 | 10 | Good | 420 | 530 | 5040 | 2535 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 7 | Corymbia citriodora | Lemon-scented Gum | 16 | 8 | Fair | 280 | 440 | 3360 | 2344 | Mature | Basal wound | Medium | Short | Low | Tree is within construction footprint | Remove |
| 8 | Corymbia citriodora | Lemon-scented Gum | 13 | 6 | Fair | 300 | 400 | 3600 | 2252 | Mature | Suppressed | Medium | Short | Low | Tree is within construction footprint | Remove |
| 9 | Corymbia citriodora | Lemon-scented Gum | 11 | 5 | Fair | 270 | 330 | 3240 | 2077 | Mature | Suppressed | Medium | Short | Low | Tree is within construction footprint | Remove |
| 10 | Corymbia citriodora | Lemon-scented Gum | 15 | 8 | Good | 380 | 440 | 4560 | 2344 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 11 | Corymbia citriodora | Lemon-scented Gum | 13 | 5 | Good | 280 | 340 | 3360 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 12 | Corymbia citriodora | Lemon-scented Gum | 13 | 8 | Good | 370 | 440 | 4440 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 13 | Corymbia citriodora | Lemon-scented Gum | 12 | 7 | Good | 300 | 380 | 3600 | 2204 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|--------------------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 14 | Corymbia citriodora | Lemon-scented Gum | 12 | 7 | Good | 330 | 450 | 3960 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 15 | Corymbia citriodora | Lemon-scented Gum | 18 | 9 | Good | 330 | 470 | 3960 | 2410 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 16 | Corymbia citriodora | Lemon-scented Gum | 10 | 5 | Good | 300 | 400 | 3600 | 2252 | Mature | Suppressed | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 17 | Corymbia citriodora | Lemon-scented Gum | 12 | 6 | Good | 200 | 280 | 2400 | 1939 | Mature | Multiple branch failures | Medium | Short | Low | Tree is within construction footprint | Remove |
| 18 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Good | 400 | 460 | 4800 | 2388 | Mature | Multiple branch failures | Medium | Short | Low | Tree is within construction footprint | Remove |
| 19 | Corymbia citriodora | Lemon-scented Gum | 10 | 6 | Good | 250 | 330 | 3000 | 2077 | Mature | Suppressed | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 20 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 380 | 480 | 4560 | 2431 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 21 | Corymbia citriodora | Lemon-scented Gum | 14 | 5 | Good | 240 | 320 | 2880 | 2051 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 22 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Good | 380 | 440 | 4560 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 23 | Corymbia citriodora | Lemon-scented Gum | 15 | 8 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 24 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Good | 380 | 490 | 4560 | 2453 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 25 | Corymbia citriodora | Lemon-scented Gum | 15 | 6 | Good | 300 | 410 | 3600 | 2276 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 26 | Corymbia citriodora | Lemon-scented Gum | 15 | 6 | Good | 320 | 400 | 3840 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 27 | Corymbia citriodora | Lemon-scented Gum | 15 | 6 | Good | 320 | 400 | 3840 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 28 | Corymbia maculata | Spotted Gum | 16 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 29 | Corymbia maculata | Spotted Gum | 16 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 30 | Corymbia maculata | Spotted Gum | 16 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 31 | Corymbia maculata | Spotted Gum | 16 | 8 | Good | 400 | 470 | 4800 | 2410 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 32 | Corymbia maculata | Spotted Gum | 11 | 4 | Fair | 280 | 360 | 3360 | 2155 | Mature | Basal wound | Medium | Short | Low | Tree is within construction footprint | Remove |
| 33 | Corymbia maculata | Spotted Gum | 11 | 6 | Good | 430 | 480 | 5160 | 2431 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 34 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 35 | Corymbia citriodora | Lemon-scented Gum | 16 | 7 | Good | 380 | 440 | 4560 | 2344 | Mature | Suppressed | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 36 | Corymbia citriodora | Lemon-scented Gum | 12 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | Poor form | Medium | Short | Low | Tree is within construction footprint | Remove |
| 37 | Corymbia citriodora | Lemon-scented Gum | 14 | 5 | Good | 290 | 350 | 3480 | 2129 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 38 | Corymbia citriodora | Lemon-scented Gum | 12 | 5 | Good | 260 | 340 | 3120 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 39 | Corymbia citriodora | Lemon-scented Gum | 12 | 5 | Good | 260 | 340 | 3120 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 40 | Corymbia citriodora | Lemon-scented Gum | 12 | 5 | Good | 260 | 340 | 3120 | 2104 | Mature | Poor form | Medium | Short | Low | Tree is within construction footprint | Remove |
| 41 | Corymbia citriodora | Lemon-scented Gum | 14 | 6 | Good | 330 | 430 | 3960 | 2322 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 42 | Corymbia citriodora | Lemon-scented Gum | 20 | 11 | Good | 440 | 520 | 5280 | 2515 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 43 | Corymbia citriodora | Lemon-scented Gum | 20 | 12 | Good | 480 | 650 | 5760 | 2762 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 44 | Platanus x orientalis | Oriental Plane | 5 | 3 | Fair | 200 | 300 | 2400 | 1996 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 45 | Platanus x orientalis | Oriental Plane | 5 | 3 | Fair | 200 | 300 | 2400 | 1996 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 46 | Platanus x orientalis | Oriental Plane | 7 | 6 | Fair | 340 | 420 | 4080 | 2299 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 47 | Corymbia ficifolia | Red flowering Gum | 3 | 3 | Good | 150 | 180 | 2000 | 1611 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 48 | Platanus x orientalis | Oriental Plane | 13 | 8 | Fair | 380 | 470 | 4560 | 2410 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 49 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 50 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 51 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 52 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 53 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 54 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 55 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 56 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 57 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 58 | Corymbia ficifolia | Red flowering Gum | 3 | 2 | Good | 150 | 180 | 2000 | 1611 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 59 | Platanus x orientalis | Oriental Plane | 10 | 4 | Fair | 310 | 370 | 3720 | 2180 | Mature | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 60 | Magnolia grandiflora | Bull Bay Magnolia | 3 | 2 | Good | 180 | 240 | 2160 | 1817 | Mature | Basal wound | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 61 | Corymbia citriodora | Lemon-scented Gum | 22 | 13 | Good | 480 | 600 | 5760 | 2670 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 62 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Good | 330 | 400 | 3960 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 63 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 200 | 270 | 2400 | 1910 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 64 | Ficus microcarpa | Hills Weeping Fig | 9 | 12 | Good | 400 | 460 | 4800 | 2388 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 65 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 180 | 270 | 2160 | 1910 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 66 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 200 | 240 | 2400 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 67 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 200 | 240 | 2400 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 68 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 220 | 300 | 2640 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 69 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 200 | 240 | 2400 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|--------------------------------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 70 | Gleditsia triacanthos | Honey Locust | 5 | 4 | Good | 200 | 240 | 2400 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 71 | Gleditsia triacanthos | Honey Locust | 4 | 3 | Good | 150 | 220 | 2000 | 1752 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 72 | Corymbia citriodora | Lemon-scented Gum | 15 | 6 | Good | 320 | 400 | 3840 | 2252 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 73 | Corymbia citriodora | Lemon-scented Gum | 15 | 6 | Good | 320 | 400 | 3840 | 2252 | Mature | suppressed, multiple branch failures | Low | Short | Low | Tree is within construction footprint | Remove |
| 74 | Corymbia citriodora | Lemon-scented Gum | 19 | 10 | Good | 380 | 540 | 4560 | 2555 | Mature | Weeping main union | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 75 | Corymbia citriodora | Lemon-scented Gum | 14 | 5 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 76 | Corymbia citriodora | Lemon-scented Gum | 14 | 5 | Good | 320 | 440 | 3840 | 2344 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 77 | Corymbia maculata | Spotted Gum | 18 | 10 | Good | 420 | 490 | 5040 | 2453 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 78 | Corymbia citriodora | Lemon-scented Gum | 16 | 8 | Good | 340 | 440 | 4080 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 79 | Corymbia citriodora | Lemon-scented Gum | 16 | 8 | Good | 440 | 500 | 5280 | 2474 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 80 | Corymbia citriodora | Lemon-scented Gum | 13 | 8 | Good | 330 | 410 | 3960 | 2276 | Mature | Suppressed | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 81 | Corymbia citriodora | Lemon-scented Gum | 15 | 6 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 82 | Corymbia citriodora | Lemon-scented Gum | 13 | 5 | Good | 280 | 340 | 3360 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 83 | Corymbia citriodora | Lemon-scented Gum | 15 | 7 | Good | 330 | 400 | 3960 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|---------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 84 | Corymbia citriodora | Lemon-scented Gum | 15 | 7 | Good | 330 | 400 | 3960 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 85 | Corymbia citriodora | Lemon-scented Gum | 15 | 7 | Good | 330 | 400 | 3960 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 86 | Corymbia citriodora | Lemon-scented Gum | 15 | 7 | Good | 330 | 400 | 3960 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 87 | Corymbia citriodora | Lemon-scented Gum | 15 | 7 | Good | 240 | 320 | 2880 | 2051 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 88 | Corymbia citriodora | Lemon-scented Gum | 15 | 7 | Good | 340 | 440 | 4080 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 89 | Corymbia citriodora | Lemon-scented Gum | 19 | 8 | Good | 380 | 470 | 4560 | 2410 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 90 | Corymbia citriodora | Lemon-scented Gum | 15 | 5 | Good | 290 | 350 | 3480 | 2129 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 91 | Corymbia citriodora | Lemon-scented Gum | 15 | 5 | Good | 290 | 350 | 3480 | 2129 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 92 | Corymbia citriodora | Lemon-scented Gum | 15 | 5 | Good | 330 | 440 | 3960 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 93 | Corymbia citriodora | Lemon-scented Gum | 14 | 6 | Good | 310 | 400 | 3720 | 2252 | Mature | Weeping union | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 94 | Corymbia citriodora | Lemon-scented Gum | 14 | 6 | Good | 310 | 400 | 3720 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 95 | Corymbia citriodora | Lemon-scented Gum | 14 | 6 | Good | 310 | 400 | 3720 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 96 | Corymbia citriodora | Lemon-scented Gum | 14 | 6 | Good | 310 | 400 | 3720 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 97 | Corymbia citriodora | Lemon-scented Gum | 12 | 4 | Good | 260 | 340 | 3120 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|------------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 98 | Corymbia citriodora | Lemon-scented Gum | 12 | 4 | Good | 260 | 340 | 3120 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 99 | Corymbia citriodora | Lemon-scented Gum | 18 | 5 | Fair | 330 | 440 | 3960 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 100 | Corymbia citriodora | Lemon-scented Gum | 18 | 5 | Good | 330 | 440 | 3960 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 101 | Corymbia citriodora | Lemon-scented Gum | 10 | 3 | Good | 120 | 180 | 2000 | 1611 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 102 | Corymbia citriodora | Lemon-scented Gum | 12 | 8 | Good | 300 | 380 | 3600 | 2204 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 103 | Corymbia citriodora | Lemon-scented Gum | 14 | 9 | Good | 360 | 450 | 4320 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 104 | Corymbia citriodora | Lemon-scented Gum | 14 | 9 | Good | 360 | 450 | 4320 | 2366 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 105 | Corymbia citriodora | Lemon-scented Gum | 14 | 9 | Good | 360 | 450 | 4320 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 106 | Corymbia citriodora | Lemon-scented Gum | 10 | 4 | Good | 270 | 340 | 3240 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 107 | Corymbia citriodora | Lemon-scented Gum | 16 | 8 | Good | 360 | 490 | 4320 | 2453 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 108 | Corymbia citriodora | Lemon-scented Gum | 16 | 8 | Good | 290 | 360 | 3480 | 2155 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 109 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Good | 400 | 490 | 4800 | 2453 | Mature | None noted | Medium | Medium | Medium | Landscaping | Retain |
| 110 | Tristaniaopsis laurina | Water Gum | 3 | 2 | Fair | 80 | 140 | 2000 | 1500 | Mature | Basal wound | Low | Short | Low | Landscaping | Retain |
| 111 | Tristaniaopsis laurina | Water Gum | 3 | 2 | Good | 80 | 140 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Landscaping | Retain |
| 112 | Schinus areira | Peppercorn | 5 | 5 | Good | 400 | 500 | 4800 | 2474 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-------------------------|--------------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-----------------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 113 | Prunus serrulata | Cherry | 4 | 4 | Fair | 120 | 300 | 2000 | 1996 | Mature | Basal decay | Low | Short | Low | Tree is within construction footprint | Remove |
| 114 | Corymbia ficifolia | Red flowering Gum | 3 | 2 | Good | 100 | 160 | 2000 | 1533 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 115 | Corymbia ficifolia | Red flowering Gum | 3 | 2 | Good | 100 | 160 | 2000 | 1533 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 116 | Corymbia citriodora | Lemon-scented Gum | 5 | 2 | Good | 100 | 150 | 2000 | 1500 | Mature | Termite mound at base | Low | Short | Low | Tree is within construction footprint | Remove |
| 117 | Melaleuca styphelioides | Prickly-leaved Paperbark | 7 | 4 | Good | 300 | 440 | 3600 | 2344 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 118 | Corymbia ficifolia | Red flowering Gum | 4 | 3 | Good | 180 | 240 | 2160 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 119 | Corymbia ficifolia | Red flowering Gum | 3 | 2 | Good | 100 | 150 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 120 | Corymbia maculata | Spotted Gum | 7 | 3 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 121 | Corymbia ficifolia | Red flowering Gum | 3 | 2 | Good | 60 | 100 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 122 | Corymbia ficifolia | Red flowering Gum | 4 | 2 | Fair | 120 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 123 | Corymbia ficifolia | Red flowering Gum | 4 | 2 | Dead | 120 | 200 | 2000 | 1683 | Mature | Dead | Low | Remove | Very Low | Tree is within construction footprint | Remove |
| 124 | Corymbia ficifolia | Red flowering Gum | 4 | 2 | Poor | 120 | 200 | 2000 | 1683 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 125 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 126 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-------------------------|--------------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 127 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 128 | Melaleuca styphelioides | Prickly-leaved Paperbark | 3 | 2 | Poor | 200 | 250 | 2400 | 1849 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 129 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 130 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 131 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 132 | Melaleuca styphelioides | Prickly-leaved Paperbark | 3 | 2 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 133 | Melaleuca styphelioides | Prickly-leaved Paperbark | 3 | 2 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 134 | Melaleuca styphelioides | Prickly-leaved Paperbark | 5 | 4 | Good | 280 | 350 | 3360 | 2129 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 135 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 136 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 137 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 138 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 139 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 140 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-------------------------|--------------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|---------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 141 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 6 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 142 | Melaleuca styphelioides | Prickly-leaved Paperbark | 5 | 4 | Good | 200 | 300 | 2400 | 1996 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 143 | Melaleuca styphelioides | Prickly-leaved Paperbark | 5 | 4 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 144 | Melaleuca styphelioides | Prickly-leaved Paperbark | 5 | 4 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 145 | Melaleuca styphelioides | Prickly-leaved Paperbark | 5 | 4 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 146 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 5 | Good | 400 | 460 | 4800 | 2388 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 147 | Melaleuca styphelioides | Prickly-leaved Paperbark | 6 | 5 | Fair | 400 | 460 | 4800 | 2388 | Mature | None noted | Low | Short | Low | Fire service 200mm, landscape batter | Retain |
| 148 | Melaleuca styphelioides | Prickly-leaved Paperbark | 7 | 4 | Good | 300 | 380 | 3600 | 2204 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 149 | Melaleuca styphelioides | Prickly-leaved Paperbark | 7 | 4 | Good | 300 | 380 | 3600 | 2204 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 150 | Melaleuca styphelioides | Prickly-leaved Paperbark | 7 | 4 | Good | 300 | 380 | 3600 | 2204 | Mature | None noted | Low | Medium | Medium | Fire service 200mm, landscape batter | Retain |
| 151 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 4 | Fair | 300 | 380 | 3600 | 2204 | Mature | Poor specimen | Low | Short | Low | Fire service 200mm, landscape batter | Remove |
| 152 | Corymbia maculata | Spotted Gum | 18 | 11 | Good | 460 | 550 | 5520 | 2575 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 153 | Corymbia maculata | Spotted Gum | 10 | 4 | Good | 200 | 340 | 2400 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 154 | Corymbia maculata | Spotted Gum | 18 | 8 | Good | 410 | 490 | 4920 | 2453 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-------------------------|----------------|------------|------------|--------|----------|-------------------|----------|----------|-------------|----------------------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 155 | Corymbia maculata | Spotted Gum | 12 | 5 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 156 | Corymbia maculata | Spotted Gum | 12 | 5 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 157 | Corymbia maculata | Spotted Gum | 18 | 10 | Good | 410 | 540 | 4920 | 2555 | Mature | Root damage | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 158 | Corymbia maculata | Spotted Gum | 12 | 4 | Good | 330 | 380 | 3960 | 2204 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 159 | Corymbia maculata | Spotted Gum | 12 | 4 | Good | 330 | 380 | 3960 | 2204 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 160 | Corymbia maculata | Spotted Gum | 12 | 4 | Good | 330 | 380 | 3960 | 2204 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 161 | Eucalyptus paniculata | Grey Ironbark | 10 | 4 | Good | 300 | 350 | 3600 | 2129 | Semi-mature | Significant bark Inclusion | Low | Remove | Very Low | Unaffected by proposal | Retain |
| 162 | Eucalyptus paniculata | Grey Ironbark | 10 | 4 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 163 | Eucalyptus paniculata | Grey Ironbark | 10 | 4 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 164 | Eucalyptus tereticornis | Forest Red Gum | 10 | 3 | Poor | 300 | 350 | 3600 | 2129 | Mature | Bark Inclusion | Medium | Short | Very Low | Unaffected by proposal | Remove |
| 165 | Eucalyptus moluccana | Grey Box | 13 | 6 | Good | 400 | 470 | 4800 | 2410 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 166 | Eucalyptus moluccana | Grey Box | 13 | 6 | Good | 400 | 470 | 4800 | 2410 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 167 | Eucalyptus moluccana | Grey Box | 13 | 6 | Fair | 400 | 460 | 4800 | 2388 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 168 | Eucalyptus paniculata | Grey Ironbark | 10 | 3 | Poor | 350 | 450 | 4200 | 2366 | Senescent | None noted | Medium | Short | Low | Unaffected by proposal | Retain |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-------------------------|--------------------------|------------|------------|--------|----------|-------------------|----------|----------|-------------|---------------------------|-------------------------|-----------------|-----------------|------------------------|----------------|
| 169 | Eucalyptus moluccana | Grey Box | 9 | 5 | Good | 300 | 400 | 3600 | 2252 | Mature | Poor form | Low | Short | Low | Unaffected by proposal | Retain |
| 170 | Eucalyptus moluccana | Grey Box | 18 | 10 | Good | 500 | 550 | 6000 | 2575 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 171 | Eucalyptus tereticornis | Forest Red Gum | 14 | 7 | Good | 320 | 450 | 3840 | 2366 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 172 | Eucalyptus tereticornis | Forest Red Gum | 8 | 4 | Fair | 240 | 320 | 2880 | 2051 | Semi-mature | Evidence of Decay | Low | Short | Low | Unaffected by proposal | Retain |
| 173 | Eucalyptus tereticornis | Forest Red Gum | 12 | 5 | Good | 320 | 400 | 3840 | 2252 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 174 | Melaleuca styphelioides | Prickly-leaved Paperbark | 4 | 3 | Good | 240 | 350 | 2880 | 2129 | Mature | None noted | Low | Medium | Medium | Unaffected by proposal | Retain |
| 175 | Melaleuca styphelioides | Prickly-leaved Paperbark | 5 | 4 | Good | 250 | 350 | 3000 | 2129 | Mature | None noted | Low | Medium | Medium | Unaffected by proposal | Retain |
| 176 | Eucalyptus tereticornis | Forest Red Gum | 14 | 6 | Good | 350 | 450 | 4200 | 2366 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 177 | Eucalyptus tereticornis | Forest Red Gum | 7 | 3 | Fair | 250 | 300 | 3000 | 1996 | Mature | Poor form, wound in union | Low | Remove | Very Low | Unaffected by proposal | Retain |
| 178 | Eucalyptus moluccana | Grey Box | 14 | 7 | Good | 300 | 450 | 3600 | 2366 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 179 | Eucalyptus moluccana | Grey Box | 14 | 9 | Poor | 410 | 480 | 4920 | 2431 | Mature | Bark Inclusion | Medium | Short | Very Low | Unaffected by proposal | Retain |
| 180 | Eucalyptus moluccana | Grey Box | 13 | 6 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 181 | Eucalyptus moluccana | Grey Box | 18 | 7 | Good | 380 | 450 | 4560 | 2366 | Mature | Bark Inclusion | Medium | Short | Very Low | Unaffected by proposal | Retain |
| 182 | Eucalyptus tereticornis | Forest Red Gum | 6 | 4 | Fair | 220 | 300 | 2640 | 1996 | Mature | Bark Inclusion | Low | Short | Very Low | Unaffected by proposal | Retain |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-------------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|-------------|-------------------|-------------------------|-----------------|-----------------|--|----------------|
| 183 | Eucalyptus tereticornis | Forest Red Gum | 6 | 4 | Good | 220 | 300 | 2640 | 1996 | Mature | None noted | Low | Medium | Medium | Unaffected by proposal | Retain |
| 184 | Dead tree | dead | 4 | 3 | Dead | 200 | 250 | 2400 | 1849 | Mature | None noted | Low | Dead | Very Low | Unaffected by proposal | Retain |
| 185 | Eucalyptus tereticornis | Forest Red Gum | 8 | 4 | Fair | 250 | 340 | 3000 | 2104 | Semi-mature | Evidence of Decay | Low | Short | Low | Tree is within construction footprint | Remove |
| 186 | Eucalyptus paniculata | Grey Ironbark | 8 | 4 | Good | 220 | 330 | 2640 | 2077 | Mature | None noted | Low | Medium | Medium | Landscape construction, soil level changes | Remove |
| 187 | Eucalyptus paniculata | Grey Ironbark | 8 | 4 | Good | 220 | 330 | 2640 | 2077 | Mature | None noted | Low | Medium | Medium | Unaffected by proposal | Retain |
| 188 | Eucalyptus moluccana | Grey Box | 10 | 6 | Good | 400 | 500 | 4800 | 2474 | Mature | None noted | Medium | Medium | Medium | Minor encroachment <10% of TPZ. | Retain |
| 189 | Corymbia citriodora | Lemon-scented Gum | 10 | 4 | Good | 170 | 200 | 2040 | 1683 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 190 | Eucalyptus moluccana | Grey Box | 14 | 8 | Good | 400 | 460 | 4800 | 2388 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 191 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 192 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 193 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |
| 194 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 320 | 440 | 3840 | 2344 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |
| 195 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |
| 196 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |
| 197 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Fair | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|------------|-------------------------|-----------------|-----------------|--|----------------|
| 198 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |
| 199 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Landscape construction, soil level changes | Remove |
| 200 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 201 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 320 | 400 | 3840 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 202 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 320 | 400 | 3840 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 203 | Corymbia citriodora | Lemon-scented Gum | 10 | 6 | Good | 280 | 340 | 3360 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 204 | Corymbia citriodora | Lemon-scented Gum | 10 | 6 | Good | 280 | 340 | 3360 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 205 | Corymbia citriodora | Lemon-scented Gum | 13 | 8 | Good | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 206 | Corymbia citriodora | Lemon-scented Gum | 13 | 8 | Good | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 207 | Corymbia citriodora | Lemon-scented Gum | 13 | 8 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 208 | Corymbia citriodora | Lemon-scented Gum | 15 | 10 | Good | 340 | 460 | 4080 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 209 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 330 | 390 | 3960 | 2228 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 210 | Corymbia citriodora | Lemon-scented Gum | 17 | 11 | Good | 350 | 450 | 4200 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 211 | Corymbia citriodora | Lemon-scented Gum | 17 | 11 | Good | 350 | 450 | 4200 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------------|--------------------|------------|------------|--------|----------|-------------------|----------|----------|-------------|--------------------------|-------------------------|-----------------|-----------------|--|----------------|
| 212 | Corymbia citriodora | Lemon-scented Gum | 8 | 4 | Good | 200 | 300 | 2400 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 213 | Eucalyptus parramattensis | Parramatta Red Gum | 15 | 10 | Poor | 460 | 540 | 5520 | 2555 | Senescent | None noted | Medium | Short | Low | Landscape construction, soil level changes | Remove |
| 214 | Eucalyptus parramattensis | Parramatta Red Gum | 7 | 3 | Poor | 200 | 400 | 2400 | 2252 | Juvenile | None noted | Low | Short | Low | Landscape construction, soil level changes | Remove |
| 215 | Eucalyptus moluccana | Grey Box | 15 | 11 | Good | 380 | 450 | 4560 | 2366 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 216 | Eucalyptus moluccana | Grey Box | 9 | 5 | Good | 250 | 360 | 3000 | 2155 | Mature | Suppressed | Low | Short | Low | Unaffected by proposal | Retain |
| 217 | Eucalyptus moluccana | Grey Box | 18 | 10 | Good | 400 | 520 | 4800 | 2515 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 218 | Eucalyptus tereticornis | Forest Red Gum | 15 | 8 | Good | 340 | 440 | 4080 | 2344 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 219 | Eucalyptus tereticornis | Forest Red Gum | 10 | 4 | Good | 200 | 330 | 2400 | 2077 | Mature | Wound in main leader | Low | Remove | Very Low | Landscape construction, soil level changes | Remove |
| 220 | Eucalyptus paniculata | Grey Ironbark | 6 | 4 | Good | 200 | 250 | 2400 | 1849 | Semi-mature | None noted | Low | Medium | Medium | Landscape construction, soil level changes | Remove |
| 221 | Eucalyptus paniculata | Grey Ironbark | 6 | 4 | Good | 200 | 250 | 2400 | 1849 | Mature | None noted | Low | Medium | Medium | Landscape construction, soil level changes | Remove |
| 222 | Eucalyptus moluccana | Grey Box | 18 | 12 | Good | 410 | 500 | 4920 | 2474 | Mature | Numerous branch failures | Medium | Short | Low | Landscape construction, soil level changes | Remove |
| 223 | Eucalyptus moluccana | Grey Box | 5 | 3 | Poor | 200 | 290 | 2400 | 1968 | Immature | None noted | Low | Short | Low | Unaffected by proposal | Retain |
| 224 | Corymbia citriodora | Lemon-scented Gum | 13 | 5 | Good | 220 | 350 | 2640 | 2129 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-----------------------------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 225 | Corymbia citriodora | Lemon-scented Gum | 13 | 5 | Good | 270 | 380 | 3240 | 2204 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 226 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 227 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 228 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 229 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 230 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 231 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 232 | Corymbia citriodora | Lemon-scented Gum | 14 | 8 | Good | 280 | 370 | 3360 | 2180 | Mature | Weeping, multiple branch failures | Low | Short | Low | Tree is within construction footprint | Remove |
| 233 | Corymbia citriodora | Lemon-scented Gum | 19 | 11 | Good | 330 | 440 | 3960 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 234 | Corymbia citriodora | Lemon-scented Gum | 14 | 9 | Good | 300 | 400 | 3600 | 2252 | Mature | Poor form | Medium | Short | Low | Tree is within construction footprint | Remove |
| 235 | Corymbia citriodora | Lemon-scented Gum | 17 | 9 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 236 | Corymbia citriodora | Lemon-scented Gum | 17 | 9 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 237 | Corymbia citriodora | Lemon-scented Gum | 17 | 9 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 238 | Corymbia citriodora | Lemon-scented Gum | 17 | 9 | Good | 350 | 440 | 4200 | 2344 | Mature | Snapped main leader | Low | Remove | Very Low | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|-------------|----------------------------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 239 | Corymbia citriodora | Lemon-scented Gum | 9 | 2 | Good | 180 | 270 | 2160 | 1910 | Semi-mature | Suppressed | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 240 | Corymbia citriodora | Lemon-scented Gum | 18 | 11 | Good | 440 | 500 | 5280 | 2474 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 241 | Corymbia citriodora | Lemon-scented Gum | 18 | 11 | Good | 440 | 500 | 5280 | 2474 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 242 | Corymbia citriodora | Lemon-scented Gum | 18 | 11 | Good | 440 | 500 | 5280 | 2474 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 243 | Corymbia citriodora | Lemon-scented Gum | 19 | 4 | Good | 250 | 360 | 3000 | 2155 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 244 | Corymbia citriodora | Lemon-scented Gum | 18 | 10 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 245 | Corymbia citriodora | Lemon-scented Gum | 18 | 10 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 246 | Corymbia citriodora | Lemon-scented Gum | 18 | 10 | Good | 320 | 390 | 3840 | 2228 | Mature | Bark Inclusion | Low | Short | Very Low | Tree is within construction footprint | Remove |
| 247 | Corymbia citriodora | Lemon-scented Gum | 20 | 12 | Good | 370 | 460 | 4440 | 2388 | Mature | Bark Inclusion | Medium | Remove | Very Low | Tree is within construction footprint | Remove |
| 248 | Corymbia citriodora | Lemon-scented Gum | 13 | 9 | Good | 340 | 420 | 4080 | 2299 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 249 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Fair | 320 | 440 | 3840 | 2344 | Mature | Lightning strike, major deadwood | Medium | Short | Low | Tree is within construction footprint | Remove |
| 250 | Corymbia citriodora | Lemon-scented Gum | 9 | 7 | Good | 210 | 300 | 2520 | 1996 | Mature | Suppressed | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 251 | Corymbia citriodora | Lemon-scented Gum | 18 | 11 | Good | 370 | 460 | 4440 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 252 | Corymbia citriodora | Lemon-scented Gum | 18 | 11 | Good | 370 | 460 | 4440 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|---------------------|-------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 253 | Corymbia citriodora | Lemon-scented Gum | 18 | 8 | Fair | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 254 | Corymbia citriodora | Lemon-scented Gum | 22 | 8 | Fair | 340 | 430 | 4080 | 2322 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 255 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 310 | 400 | 3720 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 256 | Corymbia citriodora | Lemon-scented Gum | 14 | 10 | Good | 310 | 400 | 3720 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 257 | Corymbia citriodora | Lemon-scented Gum | 12 | 4 | Good | 250 | 340 | 3000 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 258 | Corymbia citriodora | Lemon-scented Gum | 12 | 6 | Good | 250 | 340 | 3000 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 259 | Corymbia citriodora | Lemon-scented Gum | 18 | 9 | Good | 320 | 400 | 3840 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 260 | Corymbia citriodora | Lemon-scented Gum | 12 | 10 | Good | 340 | 410 | 4080 | 2276 | Mature | Poor form | Medium | Short | Low | Tree is within construction footprint | Remove |
| 261 | Corymbia citriodora | Lemon-scented Gum | 13 | 6 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 262 | Corymbia citriodora | Lemon-scented Gum | 13 | 6 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 263 | Corymbia citriodora | Lemon-scented Gum | 13 | 6 | Good | 250 | 300 | 3000 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 264 | Corymbia citriodora | Lemon-scented Gum | 13 | 6 | Good | 220 | 300 | 2640 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 265 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 266 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|---------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|-------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 267 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 268 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 269 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 270 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 271 | Corymbia citriodora | Lemon-scented Gum | 16 | 10 | Good | 350 | 440 | 4200 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 272 | Corymbia citriodora | Lemon-scented Gum | 22 | 13 | Good | 440 | 590 | 5280 | 2652 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 273 | Corymbia citriodora | Lemon-scented Gum | 22 | 13 | Good | 390 | 440 | 4680 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 274 | Corymbia citriodora | Lemon-scented Gum | 22 | 14 | Good | 420 | 490 | 5040 | 2453 | Mature | Basal wound | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 275 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 230 | 2000 | 1785 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 276 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 100 | 150 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 277 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 278 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 279 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 280 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|---------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|------------|-------------------------|-----------------|-----------------|------------------------------------|----------------|
| 281 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 282 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 283 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 284 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 100 | 150 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 285 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 150 | 220 | 2000 | 1752 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 286 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 170 | 300 | 2040 | 1996 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 287 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 170 | 300 | 2040 | 1996 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 288 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 170 | 300 | 2040 | 1996 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 289 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 170 | 300 | 2040 | 1996 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 290 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 170 | 300 | 2040 | 1996 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 291 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 100 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 292 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 100 | 200 | 2000 | 1683 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 293 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 200 | 300 | 2400 | 1996 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 294 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 100 | 150 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|---------------------|------------|------------|--------|----------|-------------------|----------|----------|----------|------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 295 | Callistemon viminalis | Weeping Bottlebrush | 3 | 2 | Good | 100 | 150 | 2000 | 1500 | Mature | None noted | Low | Medium | Medium | Street tree-Unaffected by proposal | Retain |
| 296 | Casuarina glauca | Swamp She-Oak | 4 | 3 | Good | 450 | 500 | 5400 | 2474 | Mature | None noted | Low | Short | Low | Street tree-Unaffected by proposal | Retain |
| 297 | Casuarina glauca | Swamp She-Oak | 4 | 3 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Low | Short | Low | Street tree-Unaffected by proposal | Retain |
| 298 | Eucalyptus paniculata | Grey Ironbark | 15 | 8 | Good | 380 | 450 | 4560 | 2366 | Mature | Poor union | Low | Remove | Very Low | Tree is within construction footprint | Remove |
| 299 | Eucalyptus paniculata | Grey Ironbark | 15 | 8 | Fair | 340 | 400 | 4080 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 300 | Eucalyptus paniculata | Grey Ironbark | 12 | 4 | Good | 270 | 330 | 3240 | 2077 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 301 | Eucalyptus paniculata | Grey Ironbark | 20 | 8 | Good | 380 | 440 | 4560 | 2344 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 302 | Eucalyptus paniculata | Grey Ironbark | 12 | 3 | Good | 240 | 300 | 2880 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 303 | Eucalyptus paniculata | Grey Ironbark | 12 | 4 | Good | 180 | 250 | 2160 | 1849 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 304 | Eucalyptus paniculata | Grey Ironbark | 6 | 4 | Good | 200 | 240 | 2400 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 305 | Eucalyptus paniculata | Grey Ironbark | 6 | 4 | Good | 200 | 240 | 2400 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 306 | Eucalyptus paniculata | Grey Ironbark | 12 | 5 | Fair | 230 | 300 | 2760 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 307 | Eucalyptus paniculata | Grey Ironbark | 12 | 5 | Good | 230 | 300 | 2760 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 308 | Eucalyptus paniculata | Grey Ironbark | 12 | 5 | Good | 310 | 360 | 3720 | 2155 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|---------------|------------|------------|--------|----------|-------------------|----------|----------|-----------|----------------|-------------------------|-----------------|-----------------|---------------------------------------|----------------|
| 309 | Eucalyptus paniculata | Grey Ironbark | 12 | 5 | Good | 200 | 300 | 2400 | 1996 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 310 | Eucalyptus paniculata | Grey Ironbark | 12 | 5 | Good | 280 | 350 | 3360 | 2129 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 311 | Eucalyptus paniculata | Grey Ironbark | 18 | 10 | Poor | 360 | 420 | 4320 | 2299 | Senescent | None noted | Medium | Short | Low | Tree is within construction footprint | Remove |
| 312 | Eucalyptus paniculata | Grey Ironbark | 8 | 2 | Good | 190 | 250 | 2280 | 1849 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 313 | Eucalyptus paniculata | Grey Ironbark | 5 | 3 | Good | 140 | 160 | 2000 | 1533 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 314 | Eucalyptus paniculata | Grey Ironbark | 10 | 2 | Good | 180 | 230 | 2160 | 1785 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 315 | Eucalyptus paniculata | Grey Ironbark | 3 | 2 | Fair | 100 | 150 | 2000 | 1500 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 316 | Eucalyptus paniculata | Grey Ironbark | 14 | 6 | Good | 350 | 430 | 4200 | 2322 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 317 | Eucalyptus paniculata | Grey Ironbark | 14 | 6 | Good | 350 | 430 | 4200 | 2322 | Mature | Poor union | Low | Remove | Very Low | Tree is within construction footprint | Remove |
| 318 | Eucalyptus paniculata | Grey Ironbark | 11 | 7 | Good | 350 | 430 | 4200 | 2322 | Mature | Poor union | Low | Remove | Very Low | Tree is within construction footprint | Remove |
| 319 | Eucalyptus paniculata | Grey Ironbark | 13 | 5 | Good | 260 | 340 | 3120 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 320 | Eucalyptus paniculata | Grey Ironbark | 13 | 5 | Good | 260 | 340 | 3120 | 2104 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 321 | Eucalyptus paniculata | Grey Ironbark | 18 | 5 | Good | 300 | 340 | 3600 | 2104 | Mature | Poor structure | Low | Remove | Very Low | Tree is within construction footprint | Remove |
| 322 | Eucalyptus paniculata | Grey Ironbark | 17 | 8 | Good | 390 | 460 | 4680 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|---------------|------------|------------|--------|----------|-------------------|----------|----------|----------|----------------------------------|-------------------------|-----------------|-----------------|---------------------------------------|------------------------------|
| 323 | Eucalyptus paniculata | Grey Ironbark | 17 | 8 | Good | 390 | 460 | 4680 | 2388 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 324 | Eucalyptus paniculata | Grey Ironbark | 8 | 4 | Good | 240 | 300 | 2880 | 1996 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 325 | Eucalyptus paniculata | Grey Ironbark | 6 | 3 | Good | 180 | 240 | 2160 | 1817 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 326 | Eucalyptus paniculata | Grey Ironbark | 15 | 7 | Good | 400 | 450 | 4800 | 2366 | Mature | Poor structure | Low | Remove | Very Low | Tree is within construction footprint | Remove |
| 327 | Eucalyptus paniculata | Grey Ironbark | 10 | 4 | Good | 350 | 400 | 4200 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 328 | Eucalyptus paniculata | Grey Ironbark | 12 | 6 | Good | 400 | 500 | 4800 | 2474 | Mature | Poor basal union | Medium | Remove | Very Low | Tree is within construction footprint | Remove |
| 329 | Eucalyptus paniculata | Grey Ironbark | 8 | 2 | Good | 200 | 260 | 2400 | 1879 | Mature | None noted | Low | Medium | Medium | Tree is within construction footprint | Remove |
| 330 | Eucalyptus paniculata | Grey Ironbark | 11 | 4 | Good | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 331 | Eucalyptus paniculata | Grey Ironbark | 11 | 4 | Good | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 332 | Eucalyptus paniculata | Grey Ironbark | 11 | 4 | Good | 300 | 370 | 3600 | 2180 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 333 | Eucalyptus paniculata | Grey Ironbark | 12 | 8 | Good | 350 | 450 | 4200 | 2366 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 334 | Acacia decurrens | Green Wattle | 7 | 2 | Poor | 200 | 250 | 2400 | 1849 | Mature | None noted | Low | Short | Low | Tree is within construction footprint | Remove |
| 335 | Eucalyptus paniculata | Grey Ironbark | 11 | 5 | Good | 300 | 400 | 3600 | 2252 | Mature | None noted | Medium | Medium | Medium | Tree is within construction footprint | Remove |
| 336 | Eucalyptus paniculata | Grey Ironbark | 12 | 8 | Good | 350 | 450 | 4200 | 2366 | Mature | Poor basal union at ground level | Medium | Remove | Very Low | Unaffected by proposal | Remove due to poor structure |

| Tree no. | Botanical Name | Common Name | Height (m) | Spread (m) | Health | DBH (mm) | Dia. at base (mm) | TPZ (mm) | SRZ (mm) | Maturity | Defects | Landscape significance. | Life Expectancy | Retention value | Construction Impacts | Retain/ remove |
|----------|-----------------------|-----------------|------------|------------|--------|----------|-------------------|----------|----------|----------|----------------|-------------------------|-----------------|-----------------|------------------------|------------------------------|
| 337 | Eucalyptus paniculata | Grey Ironbark | 11 | 4 | Good | 270 | 320 | 3240 | 2051 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 338 | Eucalyptus paniculata | Grey Ironbark | 14 | 8 | Good | 400 | 460 | 4800 | 2388 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 339 | Eucalyptus paniculata | Grey Ironbark | 14 | 8 | Good | 320 | 350 | 3840 | 2129 | Mature | Poor union | Low | Remove | Very Low | Unaffected by proposal | Remove due to poor structure |
| 340 | Acacia decurrens | Green Wattle | 3 | 2 | Dead | 130 | 170 | 2000 | 1572 | Mature | None noted | Low | Dead | Very Low | Unaffected by proposal | Remove due to poor structure |
| 341 | Eucalyptus paniculata | Grey Ironbark | 8 | 5 | Good | 240 | 300 | 2880 | 1996 | Mature | None noted | Low | Medium | Medium | Unaffected by proposal | Retain |
| 342 | Eucalyptus saligna | Sydney Blue Gum | 12 | 3 | Good | 220 | 300 | 2640 | 1996 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 343 | Eucalyptus moluccana | Grey Box | 14 | 8 | Good | 300 | 350 | 3600 | 2129 | Mature | None noted | Medium | Medium | Medium | Unaffected by proposal | Retain |
| 344 | Eucalyptus paniculata | Grey Ironbark | 8 | 4 | Good | 240 | 320 | 2880 | 2051 | Mature | None noted | Low | Medium | Medium | Unaffected by proposal | Retain |
| 345 | Eucalyptus moluccana | Grey Box | 12 | 10 | Good | 440 | 500 | 5280 | 2474 | Mature | Bark Inclusion | Low | Remove | Very Low | Unaffected by proposal | Remove due to poor structure |

7 TREE RETENTION VALUES IN ACCORDANCE WITH STARS.

Table 4- Tree retention values in accordance with STARS.

| Retention value | Tree numbers |
|-----------------|--|
| High | N/A |
| Medium | 1-2-3-4-6-10-11-12-13-14-15-16-19-20-21-22-23-24-25-26-27-28-29-30-31-33-34-35-37-38-39-41-42-43-47-58-60-61-62-63-64-65-66-67-68-69-70-71-72-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-111-112-114-115-117-118-119-120-121-122-125-126-127-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-148-149-150-152-153-154-155-156-157-158-159-160-162-163-165-166-167-170-171-173-174-175-176-178-180-183-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-215-217-218-220-221-224-225-226-227-228-229-230-231-233-235-236-237-239-240-241-242-243-244-245-248-250-251-252-253-254-255-256-257-258-259-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-299-300-301-302-303-304-305-306-307-308-309-310-312-313-314-316-319-320-322-323-324-325-327-329-330-331-332-333-335-337-338-340-341-342-343-344. |
| Low | 5-7-8-9-17-18-32-36-40-44-45-46-48-49-50-51-52-53-54-55-56-57-59-73-110-113-116-124-128-147-151-168-169-172-185-213-214-216-222-223-232-234-249-260-296-297-311-315-334. |
| Very low | 123-161-164-177-179-181-182-184-219-238-246-247-298-317-318-321-326-328-336-339-345. |

8 TREES PROPOSED FOR REMOVAL/RETENTION

Table 5- Trees proposed for removal or retention.

| Proposed for | Tree number |
|-------------------------------|--|
| Trees proposed for removal. | 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-151-152-153-154-155-156-157-158-159-160-161-164-177-179-181-182-184-185-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-219-220-221-222-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-339-340-345. |
| Trees proposed for retention. | 109-110-111-138-139-140-141-142-143-144-145-146-147-148-149-150-162-163-165-166-167-168-169-170-171-172-173-174-175-176-178-180-183-186-187-188-189-190-191-215-216-217-218-223-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-337-338-341-342-343-344. |

9 TREE LOCATIONS

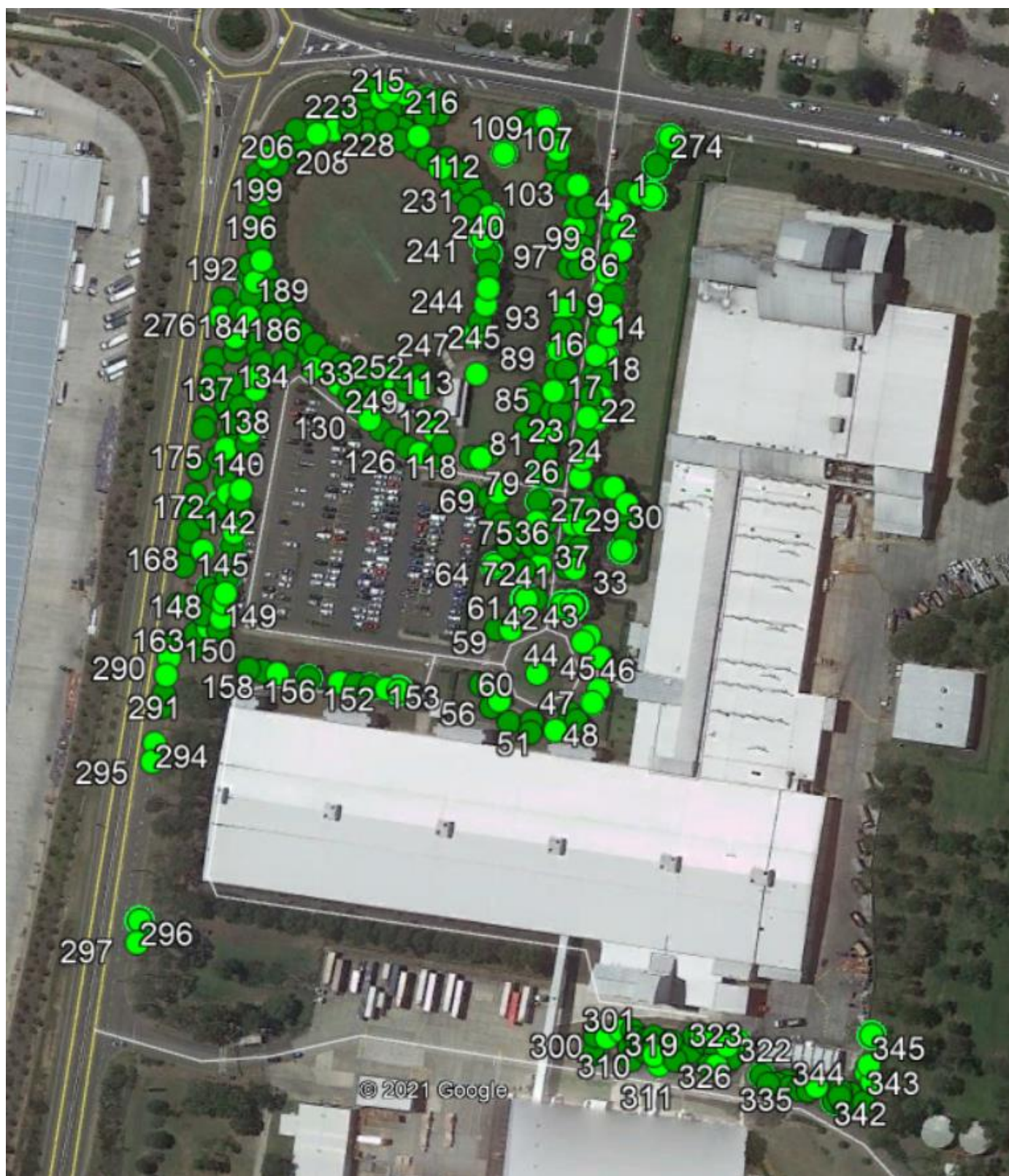


Figure 2- Tree locations within the site.

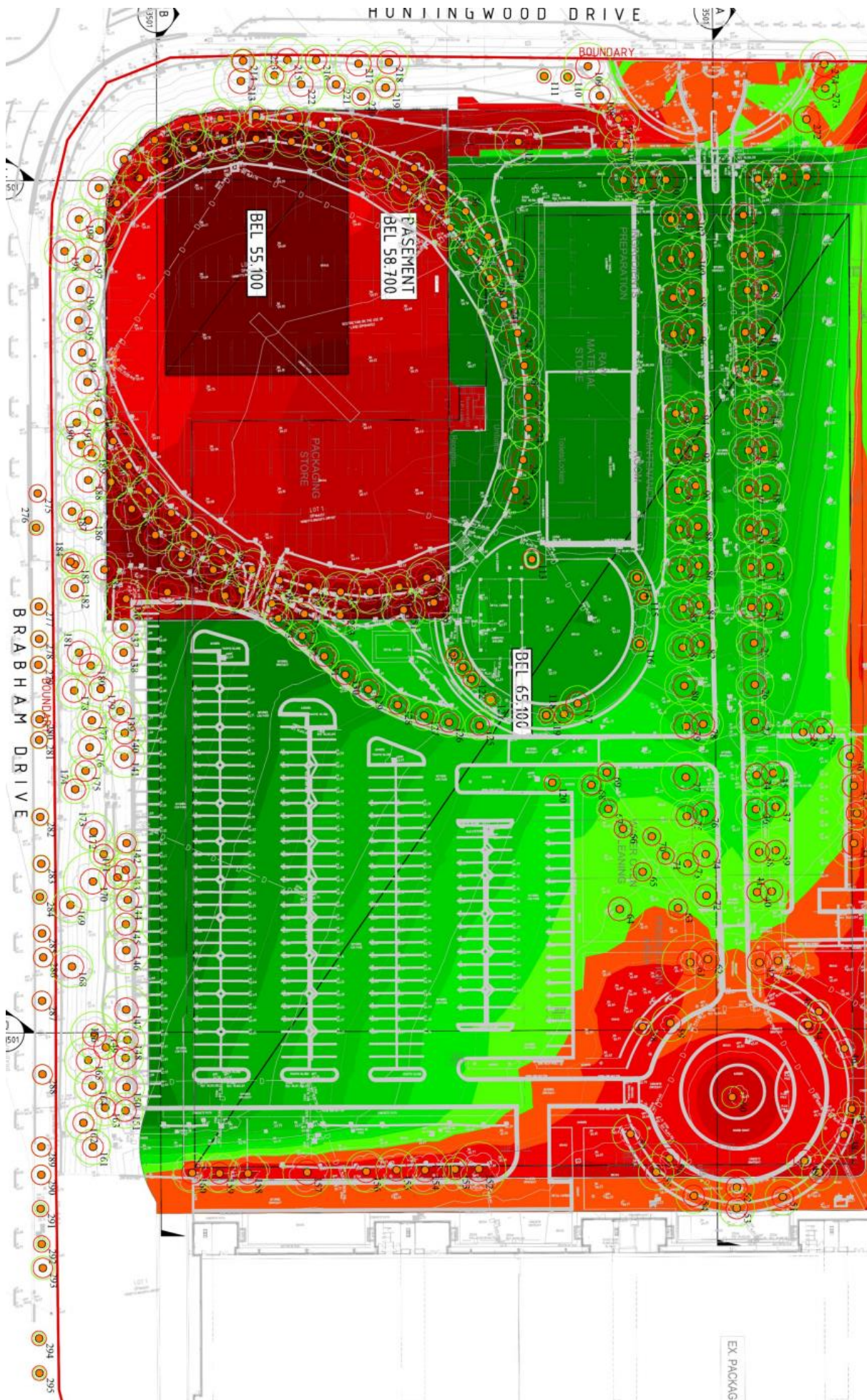


Figure 3- Tree locations overlaid onto the cut & fill plan showing the main area of construction in the N/W corner of the site.

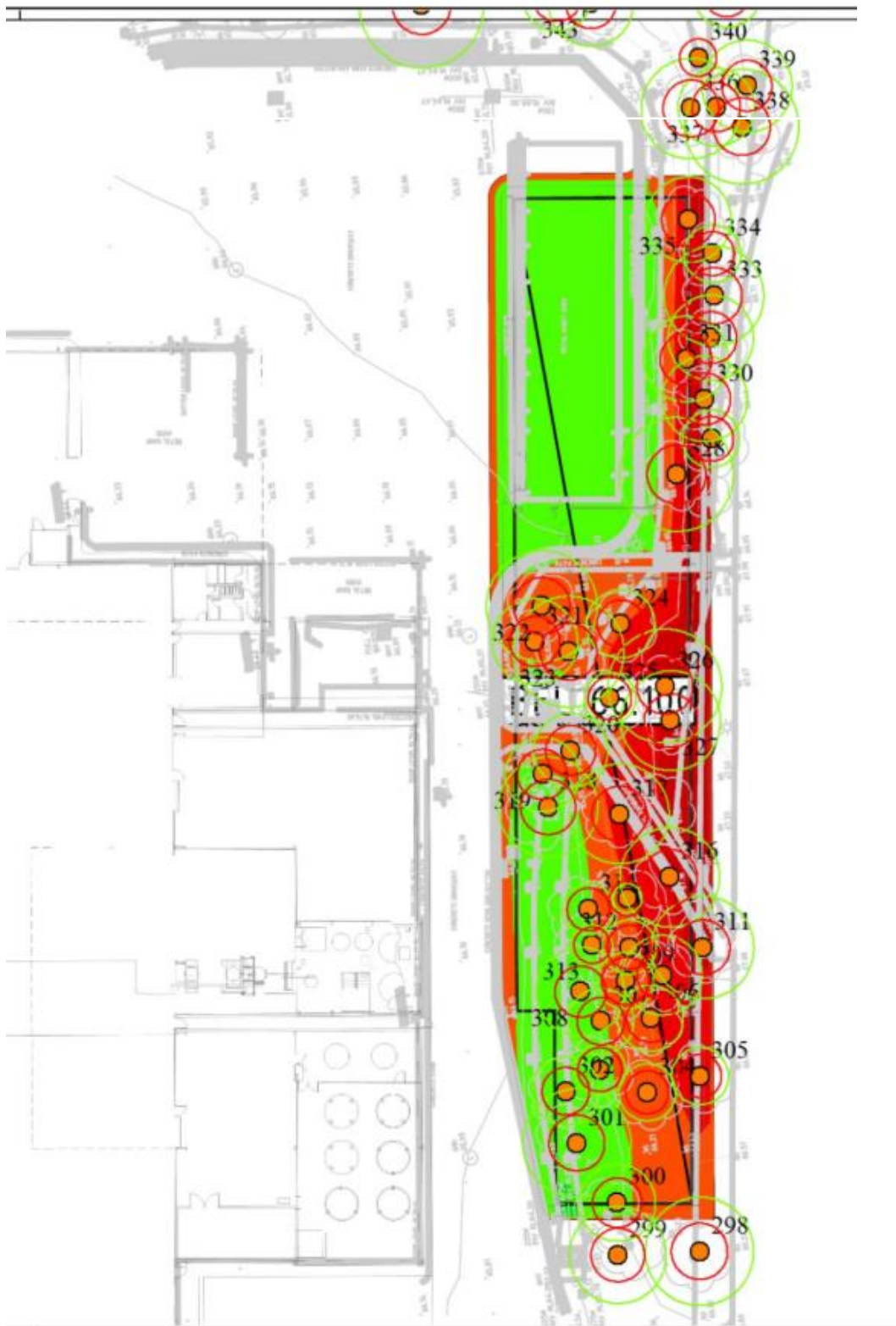


Figure 4- Tree locations overlaid on the cut & fill plan for the proposed building in the south-eastern corner of the development site.

10 DISCUSSION OF TREES

The existing site is heavily landscaped, with a double avenue of *Corymbia citriodora*-Lemon-scented Gum, lining the existing driveway entrance and circling the grassed oval which currently functions as a detention basin. The roundabout at the end of the driveway is lined with *Platanus x orientalis*-Oriental Plane tree and the existing car park is lined with *Melaleuca styphelioides*- Prickly-leaved Paperbark. The area in the south-eastern corner of the proposed development site is monoculture planting of *Eucalyptus paniculata*- Grey Ironbark.

Viewed collectively, the trees throughout the site provide good amenity value for the staff working within the facility, however, when assessed individually, there were no trees which were deemed to be of high significance or retention value.

Of the trees assessed for this proposal two hundred and seventy-four (274) trees were of medium retention value, forty-nine (49) trees were of low retention value and twenty-two (22) trees were of very low retention value due to being considered as hazardous.

11 IMPACT SCHEDULE

A total of two hundred and sixty (260) trees are proposed for removal as they are heavily impacted upon by the proposed development and are unable to be retained or relocated. There will also be some encroachment upon trees proposed for retention. Figure 5 below, shows a section of drawing HSK-03 (Drainage) with proposed modification to the existing sewer line along the western and northern boundaries by raising or lowering the existing sewer manholes. This process is likely to be relatively minor in nature, however it does have the potential to impact upon adjacent trees, specifically trees #169 & #218, to minimise these impacts, controls for this activity will be provided within the recommendations section of this report.

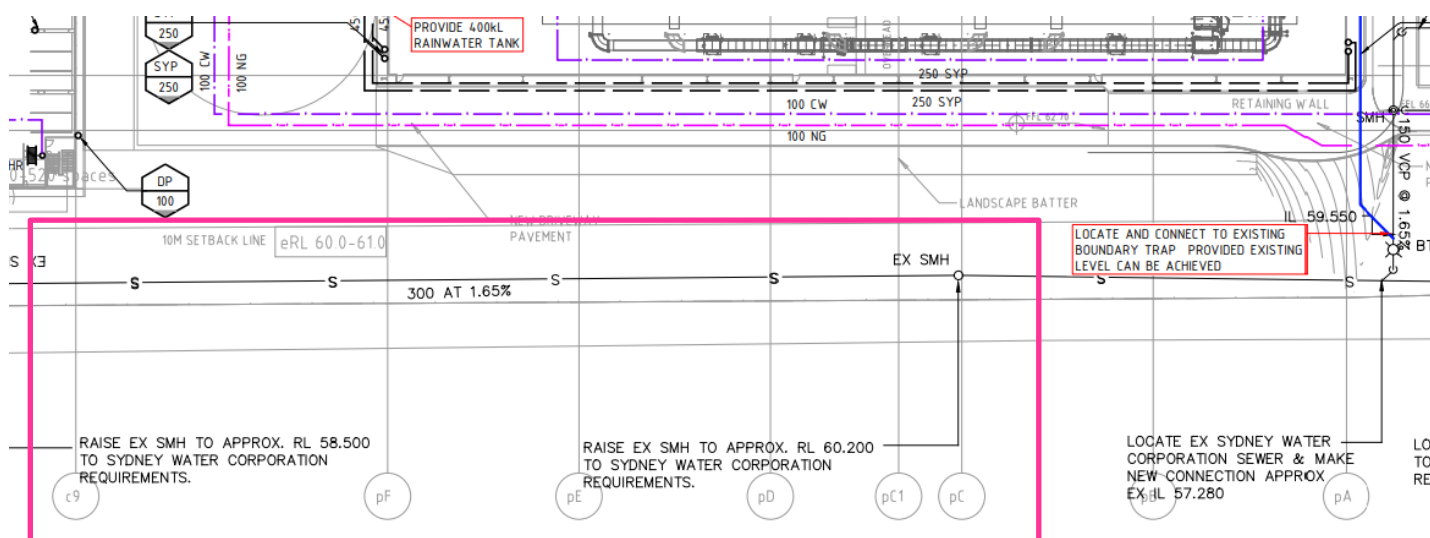


Figure 5- Section of drawing HSK-03 showing proposed modification of the existing sewer line.

Figure 6 below shows a portion of drawing HSK-04 (fire services). The drawing shows a proposed 200mm diameter pipe on the western side of the development. This pipe would conflict with the tree protection zones of a number of trees, most notably the row of *Melaleuca styphelioides* (trees #138-#150). This pipe will need to be either underbored or relocated to above ground or within the building footprint to avoid negative impacts upon the trees, this minor amendment can be dealt with during the detailed design process.

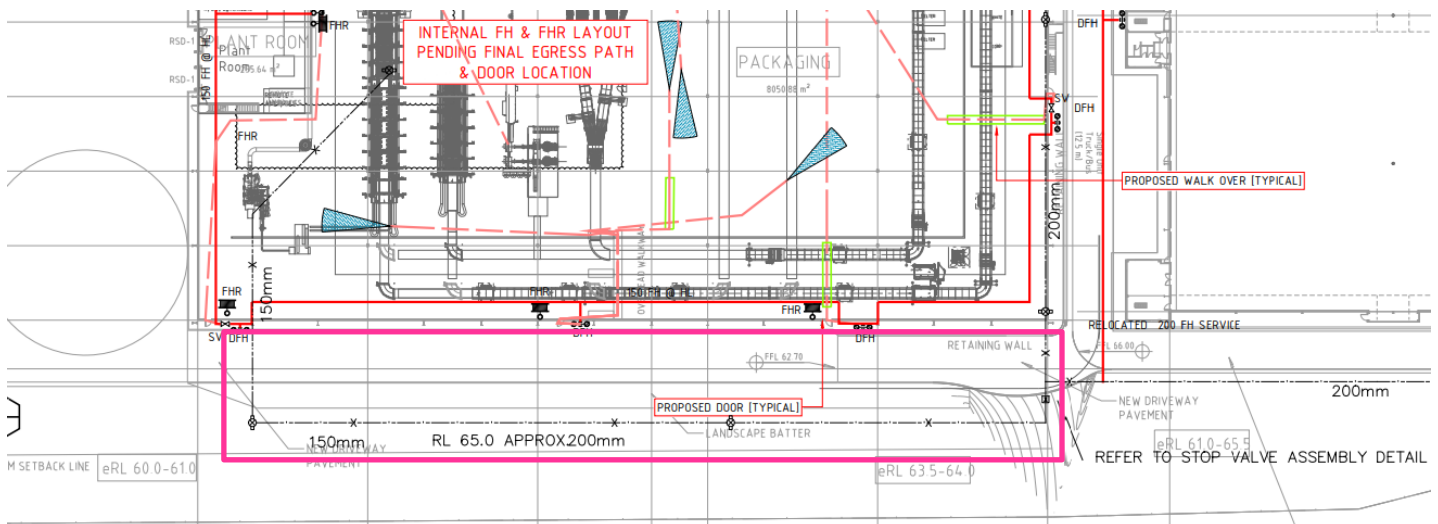


Figure 6- A section of drawing HSK-04 showing a proposed fire hydrant line.

12 CONCLUSIONS

The proposed development includes the expansion of the existing food processing facility, including the construction of a new processing building covering 23,800 sqm and new ingredient silo building covering 1000sqm.

- A total of three hundred and forty-five (345) trees were assessed for this report, including twenty-three (23) council street trees adjacent to the proposed development site.
- The proposed development will require the removal of two hundred and sixty (260) trees, ten (10) of which are considered as hazardous.
- A further twelve (12) trees are recommended for removal due to being of hazardous structure but are unaffected by the proposed development.
- Seventy-three (73) trees including the council street trees are suitable for retention and will be protected throughout construction in accordance with AS4970-2009-The Protection of Trees on Development Sites.

13 RECOMMENDATIONS

1. A project Arborist with a minimum of AQF Level 5 certification is to be appointed prior to site establishment, demolition, or any site activities.
2. The project Arborist is to certify the installation of tree protection fencing, which is to be installed in the approximate locations as shown in Appendix 2 of this report and maintained in good order throughout the development process.
3. Where works to modify the existing sewer manholes conflict with the TPZs of retained trees (#169 & #218), the excavation must be carried out using non-destructive means i.e hand-digging or vacuum excavation, under the direct supervision of the project Arborist.
4. Any demolition, excavation or work activity within the TPZ of a retained tree is to be supervised and certified by the project Arborist.
5. The supervising Arborist is to identify any significant tree roots which are present and ensure their protection.
6. Tree roots greater than 40mm in diameter are to be retained and protected throughout the development.

7. Tree roots less than 40mm in diameter may be severed cleanly by the project Arborist if deemed appropriate.
8. All other tree protection measures must be installed and maintained in accordance with appendix 2 of this report and AS4970-2009-The Protection of Trees on Development Sites.

APPENDIX 1: TREE ASSESSMENT METHODOLOGY

VISUAL TREE ASSESSMENT (VTA)

The VTA system is based on the theory of tree biology and physiology, as well as tree architecture and structure. This method is used by arborists to identify visible signs on trees that indicate good health, or potential problems. Symptoms of decay, growth patterns and defects are identified and assessed as to their potential to cause whole-tree, part-tree and/or branch failure. This system (represented by the image below) is based around methods discussed in *'The Body Language of Trees'*¹⁰.

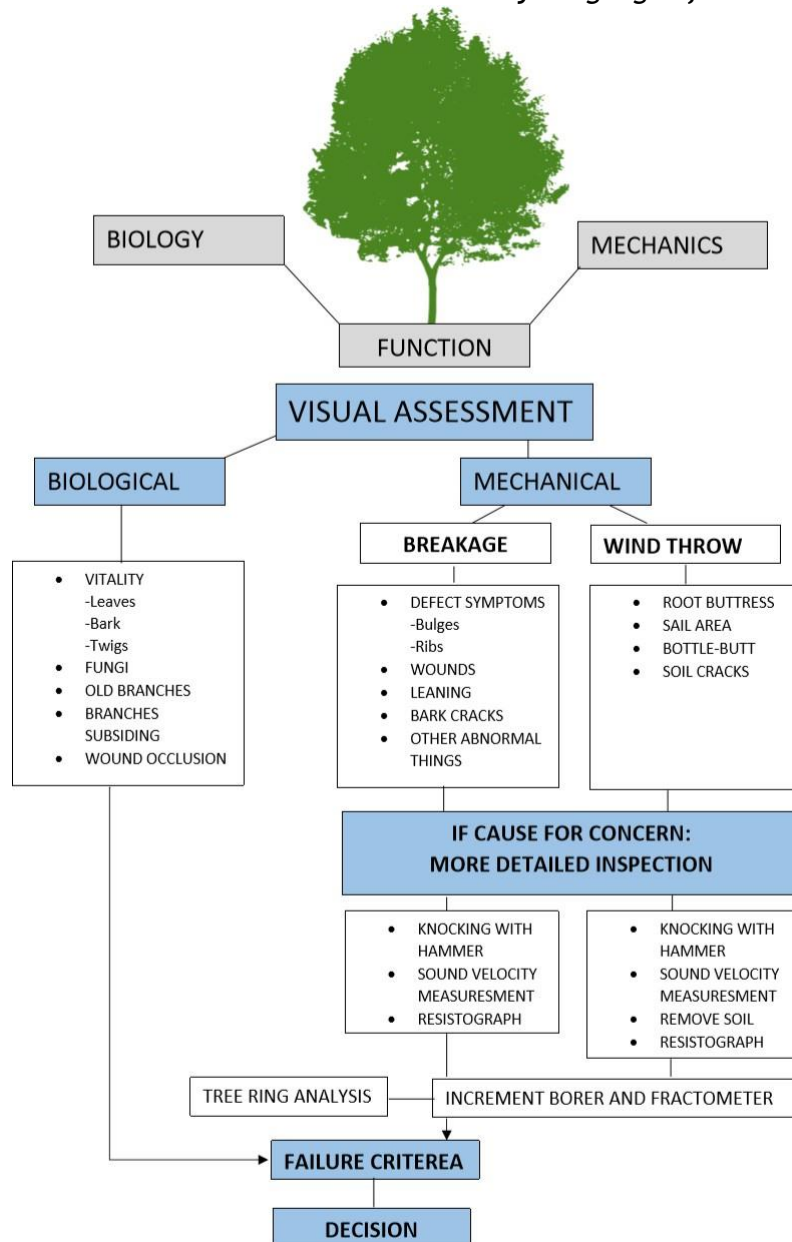


Figure 4- The Visual Tree Assessment Procedure.

For the purpose of this report, elements of the VTA system will be used, along with industry standard literature, and other relevant studies that provide an insight into potential hazards in trees. This assessment is a snapshot of what could be reasonably seen or determined from a basic visual inspection. The VTA system is generally used as a means to identify hazardous trees; however it is important to realize that for a tree to be hazardous there must be a target; a hazard poses no risk if there is no exposure to the hazard.

¹² Mattheck, C. & Breloer, H. 1994. *The Body Language of Trees*.

Health and Vigour Assessment

The health and vigour of a tree are assessed by looking at the tree canopy and how it is performing. Certain indicators provide information on which to base the assessment. Abnormally small leaves, chlorosis (yellowing), sparse crown, wilting, and die-back can be signs of ill-health or decline but may also be related to a temporary imbalance due to drought or pest infestations. Epicormic growth can be a sign of stress and low energy reserves but can also be related to increased light levels through the removal or pruning of adjacent trees. Extension growth can be a good indicator of vigour, but this can vary greatly between species and under differing climatic conditions. For these reasons, each individual symptom or observation needs to be assessed with objectivity and consideration of all available information.

Structural Assessment

The structural assessment of trees is carried out using the basic framework of Visual Tree Assessment. Signs and symptoms of defects are assessed to gauge the likelihood of failure, because not every defect constitutes a hazard e.g. *“...co-dominant stems are a structural defect. The severity of the defect is increased by included bark, large crowns and strong wind.”*¹¹ If trees were removed purely on the basis that there were defects present without assessing the likelihood of failure or whether practical mitigation measures are available, the urban forest would cease to exist. A basic visual tree assessment is undertaken from ground level, if defects are suspected further investigation may be required and recommended. *“[When using] the Visual Tree Assessment (VTA) procedure for assessing trees, as the suspicion increases that defects are present, the examination becomes more thorough and searching.”*¹

*“Some defects, especially some forms of decay, do not give rise to external signs and therefore tend to escape detection in a purely visual survey. If there is no reason for suspecting a hidden defect to occur within a particular part of the tree, there is no reasonable basis for carrying out a detailed internal assessment. Although in theory an unsuspected defect might be detectable by the use of specialized diagnostic devices, this would be impracticable in the absence of some external sign to indicate the place which should be probed. Also, internal examination without good reason is undesirable, as it usually causes injury to the tree and is unreasonably time consuming and costly.”*¹²

¹⁰ Matheny, N. & Clark, J. 1994. *A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas*.

¹¹ Lonsdale. 1999. *Principles of Tree Hazard Assessment and Management*.

TREE PROTECTION ZONE (TPZ) & STRUCTURAL ROOT ZONE (SRZ) CALCULATIONS

In accordance with Australian Standard AS4970-2009 *Protection of trees on development sites*¹³, Tree Protection Zone (TPZ) radius is calculated using the following procedure. Diameter of the trunk is measured at approximately 1.4m above ground level; this measurement is referred to as DBH (Diameter at Breast Height). $R_{TPZ} = DBH \times 12$. For multi-stemmed trees the formula used is $R_{TPZ} = \sqrt{[(DBH1)^2 + (DBH2)^2 + (DBH3)^2]}$. The TPZ is measured radially from the centre of the stem and must be protected on all sides.

The Structural Root Zone (SRZ) radius is calculated by measuring the diameter of the stem close to ground level, just above the basal flare. This measurement is taken as D and then used in the following formula: $R_{SRZ} = (D \times 50)^{0.42} \times 0.64$ and becomes the Structural Root Zone, measured radially from the centre of the stem.

It is important to realize that these calculations provide a notional figure only and tree dynamics, form and site conditions will greatly affect these zones, and it is the job of the arborist to interpret the information correctly.

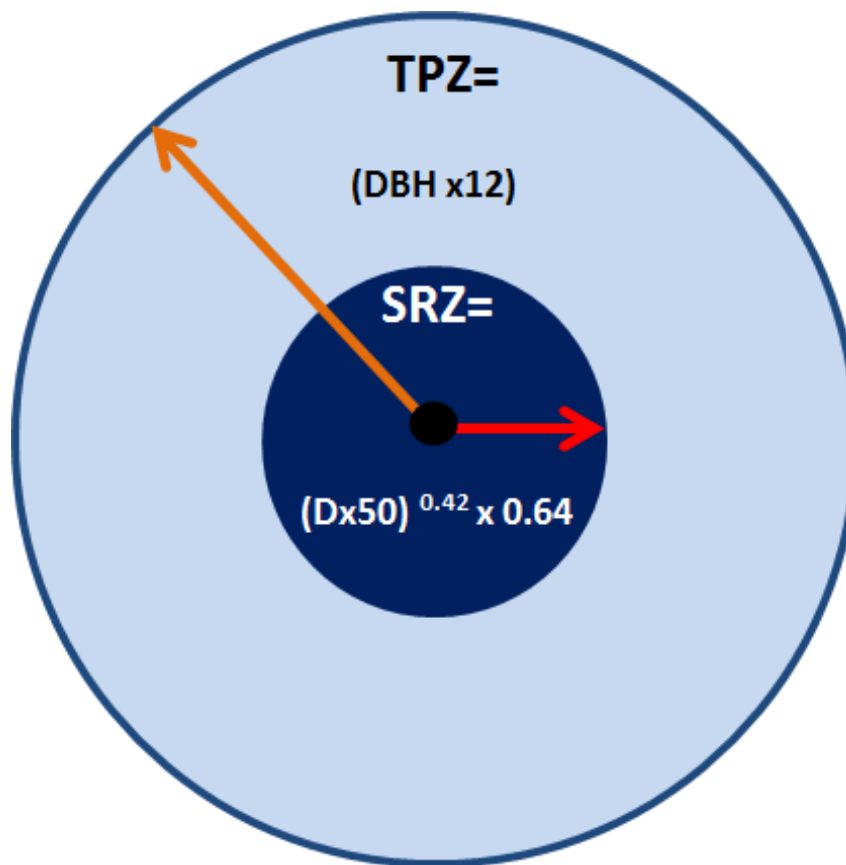


Figure 7- A representation of TPZ & SRZ calculations.

For palms, cycads, tree ferns, and similar monocots, the TPZ is positioned at least 1m outside the crown projection. SRZs are not applicable to these plant types.

AS4970-2009³ states “a TPZ should not be less than 2m nor greater than 15m (except where crown protection is required)” and the minimum radius for an SRZ is 1.5m.

¹² Standards Australia. 2009. AS4970-2009 *Protection of trees on development sites*.

SIGNIFICANCE OF A TREE, ASSESSMENT RATING SYSTEM (STARS)

IACA Significance of a Tree, Assessment Rating System (STARS)© (IACA 2010)©

In the development of this document IACA acknowledges the contribution and original concept of the Footprint Green Tree Significance & Retention Value Matrix, developed by Footprint Green Pty Ltd in June 2001.

The landscape significance of a tree is an essential criterion to establish the importance that a particular tree may have on a site. However, rating the significance of a tree becomes subjective and difficult to ascertain in a consistent and repetitive fashion due to assessor bias. It is therefore necessary to have a rating system utilising structured qualitative criteria to assist in determining the retention value for a tree. To assist this process all definitions for terms used in the *Tree Significance - Assessment Criteria and Tree Retention Value - Priority Matrix*, are taken from the IACA Dictionary for Managing Trees in Urban Environments 2009.

This rating system will assist in the planning processes for proposed works, above and below ground where trees are to be retained on or adjacent a development site. The system uses a scale of *High, Medium and Low* significance in the landscape. Once the landscape significance of an individual tree has been defined, the retention value can be determined. An example of its use in an Arboricultural report is shown as Appendix A.

Tree Significance - Assessment Criteria



1. High Significance in landscape

- The tree is in good condition and good vigour;
- The tree has a form typical for the species;
- The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age;
- The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register;
- The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity;
- The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values;
- The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa *in situ* - tree is appropriate to the site conditions.

2. Medium Significance in landscape

- The tree is in fair-good condition and good or low vigour;
- The tree has form typical or atypical of the species;
- The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area
- The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street,
- The tree provides a fair contribution to the visual character and amenity of the local area,
- The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa *in situ*.

3. Low Significance in landscape

- The tree is in fair-poor condition and good or low vigour;
- The tree has form atypical of the species;
- The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings,
- The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area,
- The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen,
- The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa *in situ* - tree is inappropriate to the site conditions,
- The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms,
- The tree has a wound or defect that has potential to become structurally unsound.

Environmental Pest / Noxious Weed Species

- The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties,
- The tree is a declared noxious weed by legislation.


Hazardous/Irreversible Decline

- The tree is structurally unsound and/or unstable and is considered potentially dangerous,
- The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

The tree is to have a minimum of three (3) criteria in a category to be classified in that group.

Note: The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety e.g. hedge.

IACA 2010, *IACA Significance of a Tree, Assessment Rating System (STARS)*, Institute of Australian Consulting Arboriculturists, www.iaca.org.au

| | | Significance | | | | |
|---|-----------------------|--|---------------------------|---------------------------|---|----------------------------------|
| | | 1. High | 2. Medium | 3. Low | | |
| | | Significance in Landscape | Significance in Landscape | Significance in Landscape | Environmental Pest / Noxious Weed Species | Hazardous / Irreversible Decline |
| Estimated Life Expectancy | 1. Long >40 years | | | | | |
| | 2. Medium 15-40 Years | | | | | |
| | 3. Short <1-15 Years | | | | | |
| | Dead | | | | | |
| Legend for Matrix Assessment  | | | | | | |
| | | Priority for Retention (High) - 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 <i>Protection of trees on development sites</i> . Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone. | | | | |
| | | Consider for Retention (Medium) - 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. | | | | |
| | | Consider for Removal (Low) - These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention. | | | | |
| | | Priority for Removal - These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development. | | | | |

USE OF THIS DOCUMENT AND REFERENCING

The IACA Significance of a Tree, Assessment Rating System (STARS) is free to use, but only in its entirety and must be cited as follows:

IACA, 2010, *IACA Significance of a Tree, Assessment Rating System (STARS)*, Institute of Australian Consulting Arboriculturists, Australia, www.iaca.org.au

REFERENCES

Australia ICOMOS Inc. 1999, *The Burra Charter – The Australian ICOMOS Charter for Places of Cultural Significance*, International Council of Monuments and Sites, www.icomos.org/australia

Draper BD and Richards PA 2009, *Dictionary for Managing Trees in Urban Environments*, Institute of Australian Consulting Arboriculturists (IACA), CSIRO Publishing, Collingwood, Victoria, Australia.

Footprint Green Pty Ltd 2001, *Footprint Green Tree Significance & Retention Value Matrix*, Avalon, NSW Australia, www.footprintgreen.com.au

IACA 2010, *IACA Significance of a Tree, Assessment Rating System (STARS)*, Institute of Australian Consulting Arboriculturists, www.iaca.org.au

APPENDIX 2- TREE PROTECTION PLAN- FENCING

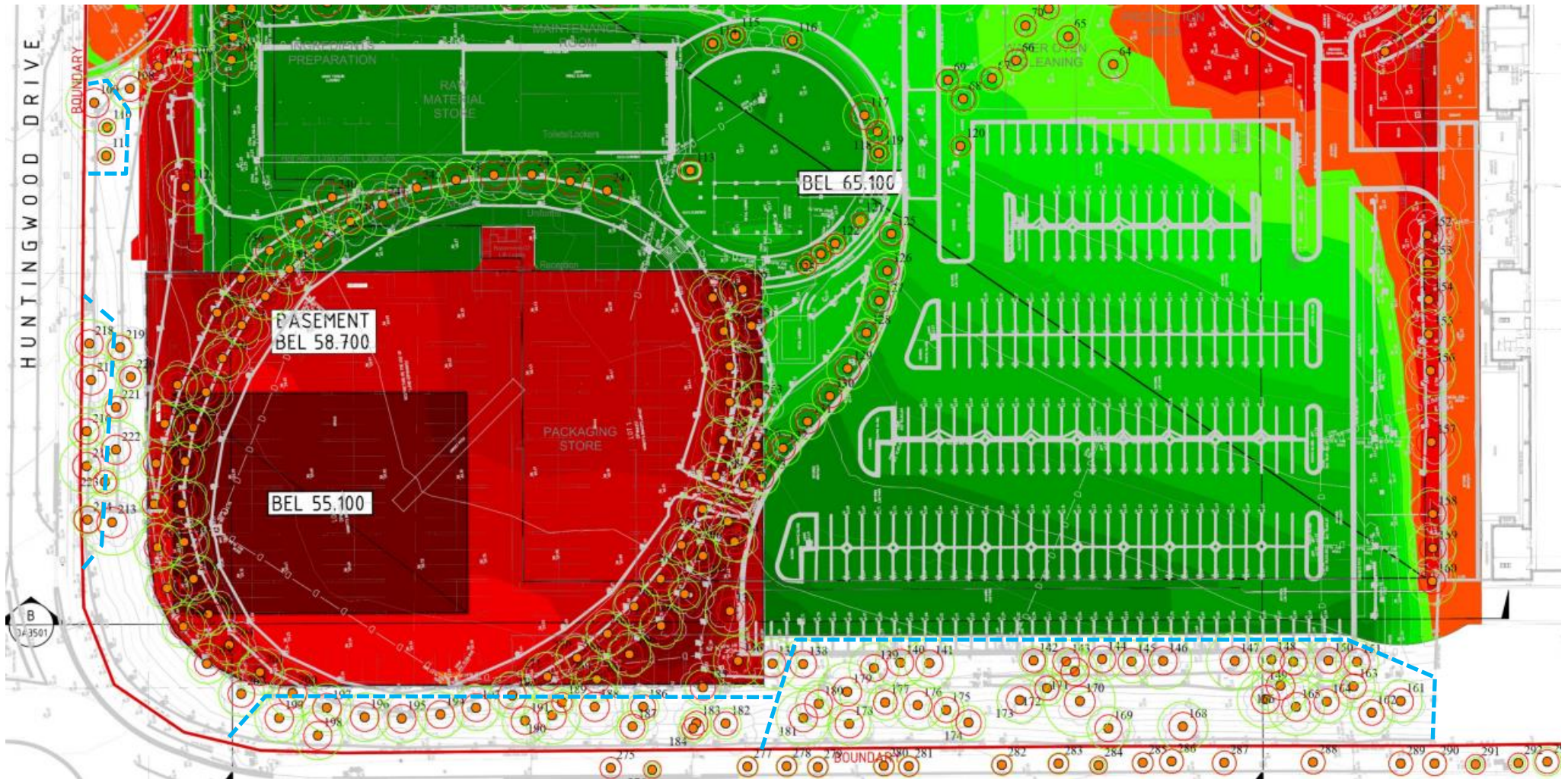


Figure 8- Tree protection fencing plan showing the approximate location of the TPZ fencing in dotted blue lines.

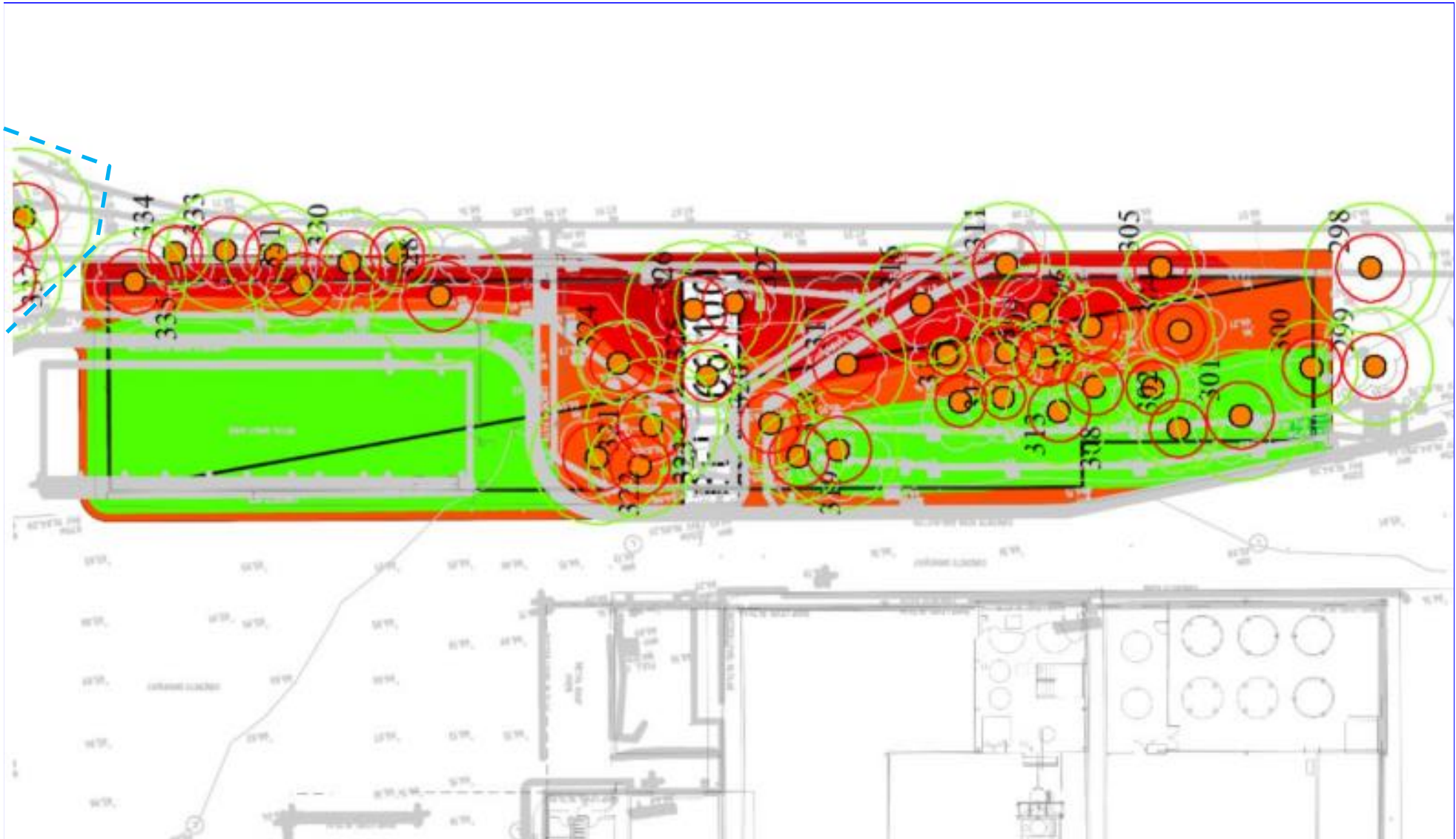


Figure 9- TPZ fencing (Blue) is to be installed around all trees to be retained.

APPENDIX 3- SITE PHOTOGRAPHS

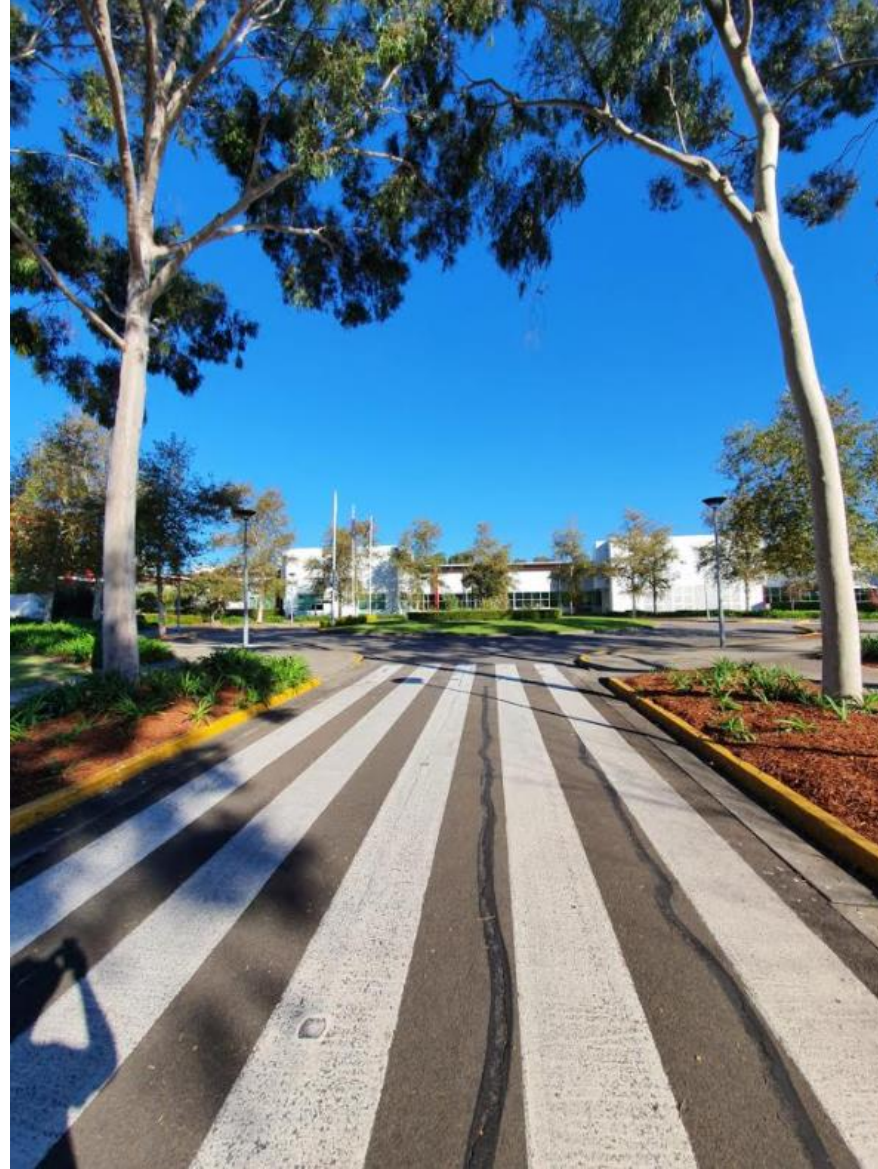


Figure 10 & 11- These images show the main driveway entrance from Huntingwood Drive.

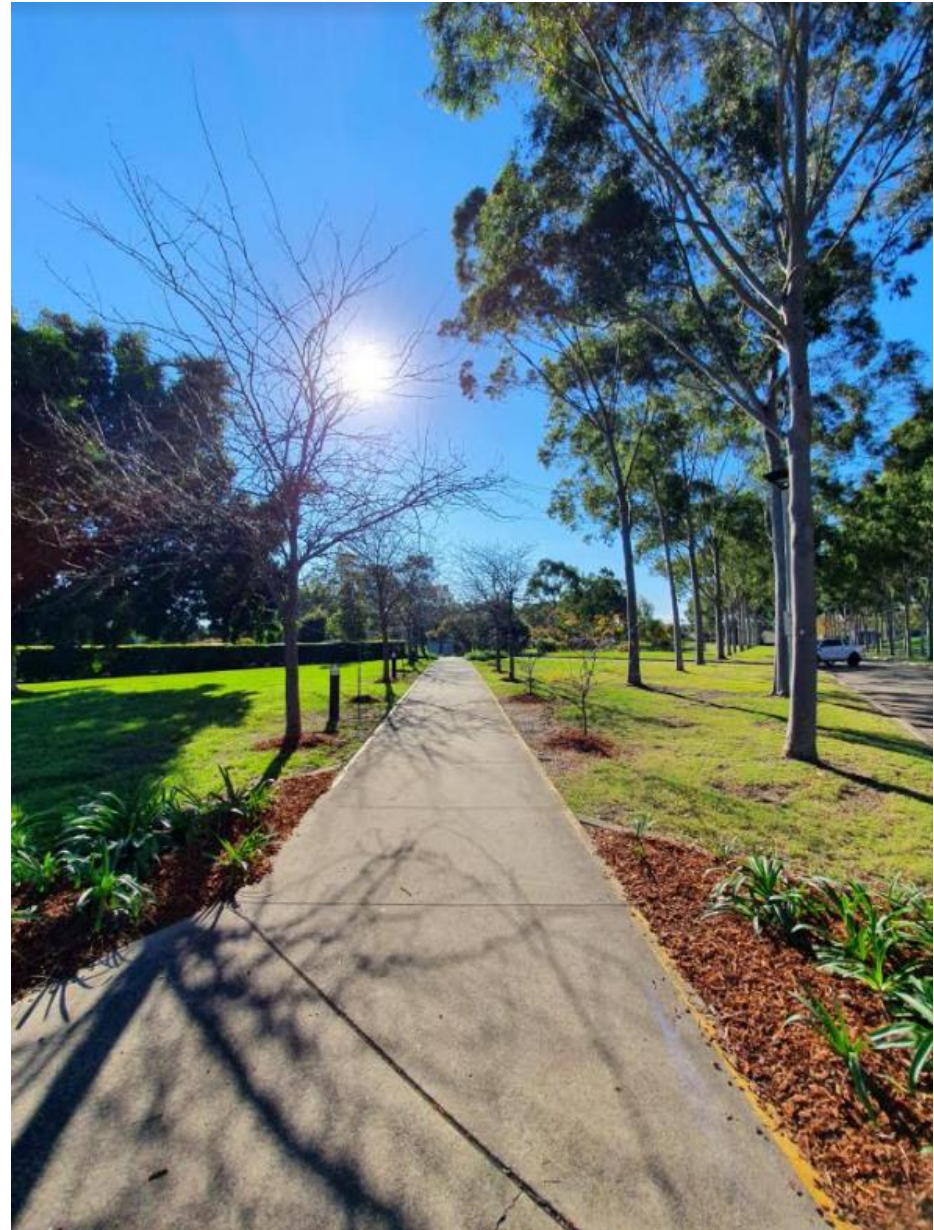


Figure 12- Image showing the existing detention basin and Figure 13- A footpath to the west of the main driveway.