

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 System³ (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 System⁶ (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.

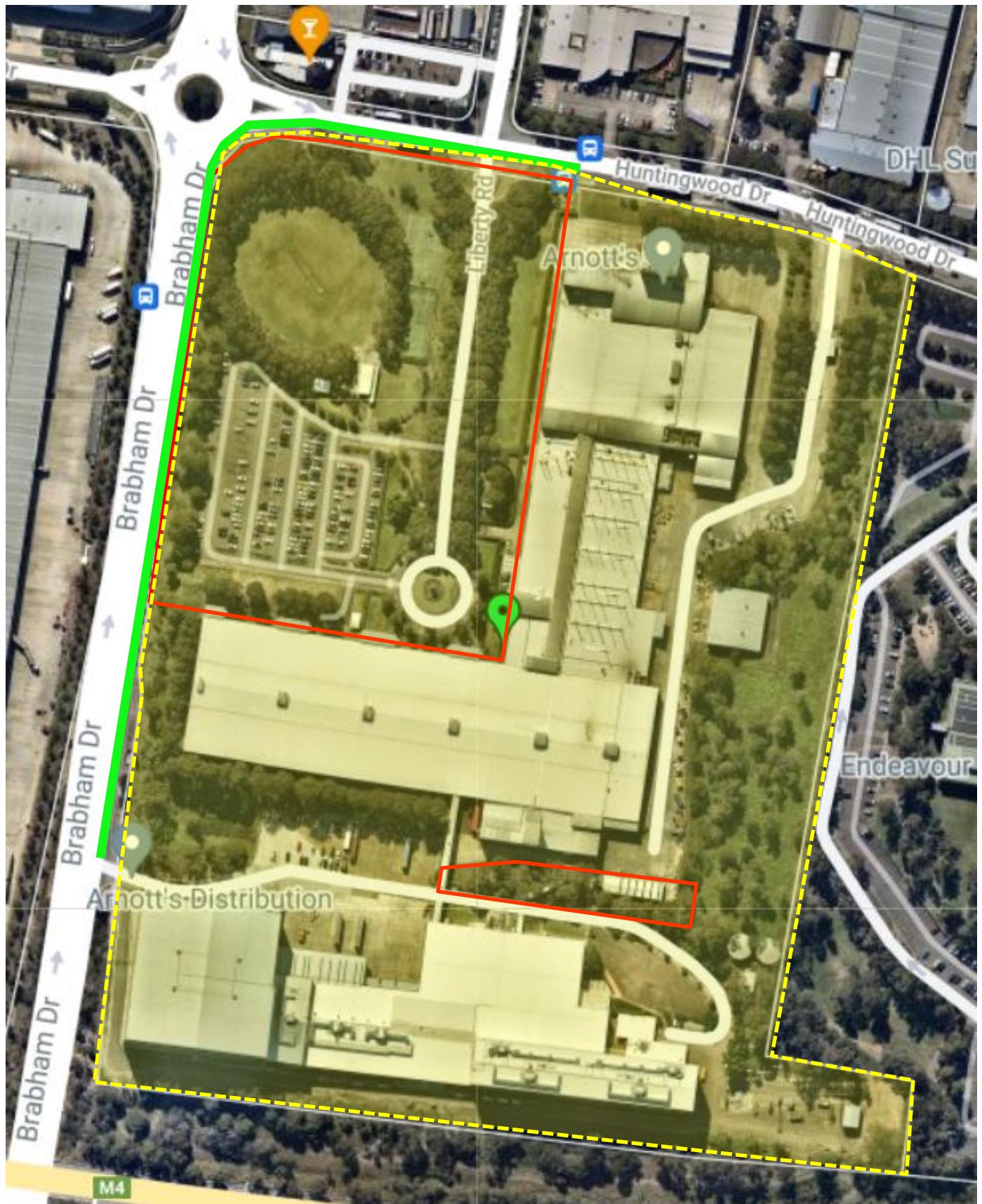


Figure 1- The entire site (shaded yellow), Surveyed site trees (red areas) and surveyed council street trees (green).

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	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	7	Good	330	450	3960	2366	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
15	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	9	Good	330	470	3960	2410	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
16	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	5	Good	300	400	3600	2252	Mature	Suppressed	Low	Medium	Medium	Tree is within construction footprint	Remove
17	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	6	Good	200	280	2400	1939	Mature	Multiple branch failures	Medium	Short	Low	Tree is within construction footprint	Remove
18	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Good	400	460	4800	2388	Mature	Multiple branch failures	Medium	Short	Low	Tree is within construction footprint	Remove
19	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	6	Good	250	330	3000	2077	Mature	Suppressed	Low	Medium	Medium	Tree is within construction footprint	Remove
20	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	380	480	4560	2431	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
21	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	5	Good	240	320	2880	2051	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
22	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Good	380	440	4560	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
23	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	8	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
24	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Good	380	490	4560	2453	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
25	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	6	Good	300	410	3600	2276	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
26	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	6	Good	320	400	3840	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
27	<i>Corymbia citriodora</i>	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	<i>Corymbia maculata</i>	Spotted Gum	16	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
29	<i>Corymbia maculata</i>	Spotted Gum	16	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
30	<i>Corymbia maculata</i>	Spotted Gum	16	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
31	<i>Corymbia maculata</i>	Spotted Gum	16	8	Good	400	470	4800	2410	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
32	<i>Corymbia maculata</i>	Spotted Gum	11	4	Fair	280	360	3360	2155	Mature	Basal wound	Medium	Short	Low	Tree is within construction footprint	Remove
33	<i>Corymbia maculata</i>	Spotted Gum	11	6	Good	430	480	5160	2431	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
34	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Good	350	440	4200	2344	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
35	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	7	Good	380	440	4560	2344	Mature	Suppressed	Medium	Medium	Medium	Tree is within construction footprint	Remove
36	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	6	Good	350	400	4200	2252	Mature	Poor form	Medium	Short	Low	Tree is within construction footprint	Remove
37	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	5	Good	290	350	3480	2129	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
38	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	5	Good	260	340	3120	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
39	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	5	Good	260	340	3120	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
40	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	5	Good	260	340	3120	2104	Mature	Poor form	Medium	Short	Low	Tree is within construction footprint	Remove
41	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	20	11	Good	440	520	5280	2515	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
43	<i>Corymbia citriodora</i>	Lemon-scented Gum	20	12	Good	480	650	5760	2762	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
44	<i>Platanus x orientalis</i>	Oriental Plane	5	3	Fair	200	300	2400	1996	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
45	<i>Platanus x orientalis</i>	Oriental Plane	5	3	Fair	200	300	2400	1996	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
46	<i>Platanus x orientalis</i>	Oriental Plane	7	6	Fair	340	420	4080	2299	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
47	<i>Corymbia ficifolia</i>	Red flowering Gum	3	3	Good	150	180	2000	1611	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
48	<i>Platanus x orientalis</i>	Oriental Plane	13	8	Fair	380	470	4560	2410	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
49	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
50	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
51	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
52	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
53	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
54	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
55	<i>Platanus x orientalis</i>	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	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
57	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	300	370	3600	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
58	<i>Corymbia ficifolia</i>	Red flowering Gum	3	2	Good	150	180	2000	1611	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
59	<i>Platanus x orientalis</i>	Oriental Plane	10	4	Fair	310	370	3720	2180	Mature	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
60	<i>Magnolia grandiflora</i>	Bull Bay Magnolia	3	2	Good	180	240	2160	1817	Mature	Basal wound	Low	Medium	Medium	Tree is within construction footprint	Remove
61	<i>Corymbia citriodora</i>	Lemon-scented Gum	22	13	Good	480	600	5760	2670	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
62	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Good	330	400	3960	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
63	<i>Gleditsia triacanthos</i>	Honey Locust	5	4	Good	200	270	2400	1910	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
64	<i>Ficus microcarpa</i>	Hills Weeping Fig	9	12	Good	400	460	4800	2388	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
65	<i>Gleditsia triacanthos</i>	Honey Locust	5	4	Good	180	270	2160	1910	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
66	<i>Gleditsia triacanthos</i>	Honey Locust	5	4	Good	200	240	2400	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
67	<i>Gleditsia triacanthos</i>	Honey Locust	5	4	Good	200	240	2400	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
68	<i>Gleditsia triacanthos</i>	Honey Locust	5	4	Good	220	300	2640	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
69	<i>Gleditsia triacanthos</i>	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	<i>Gleditsia triacanthos</i>	Honey Locust	5	4	Good	200	240	2400	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
71	<i>Gleditsia triacanthos</i>	Honey Locust	4	3	Good	150	220	2000	1752	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
72	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	6	Good	320	400	3840	2252	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
73	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	19	10	Good	380	540	4560	2555	Mature	Weeping main union	Medium	Medium	Medium	Tree is within construction footprint	Remove
75	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	5	Good	300	350	3600	2129	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
76	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	5	Good	320	440	3840	2344	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
77	<i>Corymbia maculata</i>	Spotted Gum	18	10	Good	420	490	5040	2453	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
78	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	8	Good	340	440	4080	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
79	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	8	Good	440	500	5280	2474	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
80	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	8	Good	330	410	3960	2276	Mature	Suppressed	Low	Medium	Medium	Tree is within construction footprint	Remove
81	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	6	Good	300	350	3600	2129	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
82	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	5	Good	280	340	3360	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
83	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	7	Good	330	400	3960	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
85	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	7	Good	330	400	3960	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
86	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	7	Good	330	400	3960	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
87	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	7	Good	240	320	2880	2051	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
88	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	7	Good	340	440	4080	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
89	<i>Corymbia citriodora</i>	Lemon-scented Gum	19	8	Good	380	470	4560	2410	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
90	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	5	Good	290	350	3480	2129	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
91	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	5	Good	290	350	3480	2129	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
92	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	5	Good	330	440	3960	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
93	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	6	Good	310	400	3720	2252	Mature	Weeping union	Medium	Medium	Medium	Tree is within construction footprint	Remove
94	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	6	Good	310	400	3720	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
95	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	6	Good	310	400	3720	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
96	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	6	Good	310	400	3720	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
97	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	4	Good	260	340	3120	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
99	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	5	Fair	330	440	3960	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
100	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	5	Good	330	440	3960	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
101	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	3	Good	120	180	2000	1611	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
102	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	8	Good	300	380	3600	2204	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
103	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	9	Good	360	450	4320	2366	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
104	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	9	Good	360	450	4320	2366	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
105	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	9	Good	360	450	4320	2366	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
106	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	4	Good	270	340	3240	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
107	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	8	Good	360	490	4320	2453	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
108	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	8	Good	290	360	3480	2155	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
109	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Good	400	490	4800	2453	Mature	None noted	Medium	Medium	Medium	Landscaping	Retain
110	<i>Tristaniopsis laurina</i>	Water Gum	3	2	Fair	80	140	2000	1500	Mature	Basal wound	Low	Short	Low	Landscaping	Retain
111	<i>Tristaniopsis laurina</i>	Water Gum	3	2	Good	80	140	2000	1500	Mature	None noted	Low	Medium	Medium	Landscaping	Retain
112	<i>Schinus areira</i>	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	<i>Prunus serrulata</i>	Cherry	4	4	Fair	120	300	2000	1996	Mature	Basal decay	Low	Short	Low	Tree is within construction footprint	Remove
114	<i>Corymbia ficifolia</i>	Red flowering Gum	3	2	Good	100	160	2000	1533	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
115	<i>Corymbia ficifolia</i>	Red flowering Gum	3	2	Good	100	160	2000	1533	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
116	<i>Corymbia citriodora</i>	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	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	7	4	Good	300	440	3600	2344	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
118	<i>Corymbia ficifolia</i>	Red flowering Gum	4	3	Good	180	240	2160	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
119	<i>Corymbia ficifolia</i>	Red flowering Gum	3	2	Good	100	150	2000	1500	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
120	<i>Corymbia maculata</i>	Spotted Gum	7	3	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
121	<i>Corymbia ficifolia</i>	Red flowering Gum	3	2	Good	60	100	2000	1500	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
122	<i>Corymbia ficifolia</i>	Red flowering Gum	4	2	Fair	120	200	2000	1683	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
123	<i>Corymbia ficifolia</i>	Red flowering Gum	4	2	Dead	120	200	2000	1683	Mature	Dead	Low	Remove	Very Low	Tree is within construction footprint	Remove
124	<i>Corymbia ficifolia</i>	Red flowering Gum	4	2	Poor	120	200	2000	1683	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
125	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	3	Good	250	300	3000	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
126	<i>Melaleuca styphelioides</i>	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	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	3	Good	250	300	3000	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
128	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	3	2	Poor	200	250	2400	1849	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
129	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	3	Good	300	350	3600	2129	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
130	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	3	Good	250	300	3000	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
131	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	3	Good	250	300	3000	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
132	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	3	2	Good	250	300	3000	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
133	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	3	2	Good	250	300	3000	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
134	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	5	4	Good	280	350	3360	2129	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
135	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	6	Good	350	400	4200	2252	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
136	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	6	Good	350	400	4200	2252	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
137	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	6	Good	350	400	4200	2252	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
138	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	6	Good	350	400	4200	2252	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
139	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	6	Good	350	400	4200	2252	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
140	<i>Melaleuca styphelioides</i>	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	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	6	Good	350	400	4200	2252	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
142	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	5	4	Good	200	300	2400	1996	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
143	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	5	4	Good	300	400	3600	2252	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
144	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	5	4	Good	300	400	3600	2252	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
145	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	5	4	Good	300	400	3600	2252	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
146	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	5	Good	400	460	4800	2388	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
147	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	6	5	Fair	400	460	4800	2388	Mature	None noted	Low	Short	Low	Fire service 200mm, landscape batter	Retain
148	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	7	4	Good	300	380	3600	2204	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
149	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	7	4	Good	300	380	3600	2204	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
150	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	7	4	Good	300	380	3600	2204	Mature	None noted	Low	Medium	Medium	Fire service 200mm, landscape batter	Retain
151	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	4	Fair	300	380	3600	2204	Mature	Poor specimen	Low	Short	Low	Fire service 200mm, landscape batter	Remove
152	<i>Corymbia maculata</i>	Spotted Gum	18	11	Good	460	550	5520	2575	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
153	<i>Corymbia maculata</i>	Spotted Gum	10	4	Good	200	340	2400	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
154	<i>Corymbia maculata</i>	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	<i>Corymbia maculata</i>	Spotted Gum	12	5	Good	350	400	4200	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
156	<i>Corymbia maculata</i>	Spotted Gum	12	5	Good	350	400	4200	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
157	<i>Corymbia maculata</i>	Spotted Gum	18	10	Good	410	540	4920	2555	Mature	Root damage	Medium	Medium	Medium	Tree is within construction footprint	Remove
158	<i>Corymbia maculata</i>	Spotted Gum	12	4	Good	330	380	3960	2204	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
159	<i>Corymbia maculata</i>	Spotted Gum	12	4	Good	330	380	3960	2204	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
160	<i>Corymbia maculata</i>	Spotted Gum	12	4	Good	330	380	3960	2204	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
161	<i>Eucalyptus paniculata</i>	Grey Ironbark	10	4	Good	300	350	3600	2129	Semi-mature	Significant bark Inclusion	Low	Remove	Very Low	Unaffected by proposal	Retain
162	<i>Eucalyptus paniculata</i>	Grey Ironbark	10	4	Good	300	350	3600	2129	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
163	<i>Eucalyptus paniculata</i>	Grey Ironbark	10	4	Good	300	350	3600	2129	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
164	<i>Eucalyptus tereticornis</i>	Forest Red Gum	10	3	Poor	300	350	3600	2129	Mature	Bark Inclusion	Medium	Short	Very Low	Unaffected by proposal	Remove
165	<i>Eucalyptus moluccana</i>	Grey Box	13	6	Good	400	470	4800	2410	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
166	<i>Eucalyptus moluccana</i>	Grey Box	13	6	Good	400	470	4800	2410	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
167	<i>Eucalyptus moluccana</i>	Grey Box	13	6	Fair	400	460	4800	2388	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
168	<i>Eucalyptus paniculata</i>	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	<i>Eucalyptus moluccana</i>	Grey Box	9	5	Good	300	400	3600	2252	Mature	Poor form	Low	Short	Low	Unaffected by proposal	Retain
170	<i>Eucalyptus moluccana</i>	Grey Box	18	10	Good	500	550	6000	2575	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
171	<i>Eucalyptus tereticornis</i>	Forest Red Gum	14	7	Good	320	450	3840	2366	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
172	<i>Eucalyptus tereticornis</i>	Forest Red Gum	8	4	Fair	240	320	2880	2051	Semi-mature	Evidence of Decay	Low	Short	Low	Unaffected by proposal	Retain
173	<i>Eucalyptus tereticornis</i>	Forest Red Gum	12	5	Good	320	400	3840	2252	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
174	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	3	Good	240	350	2880	2129	Mature	None noted	Low	Medium	Medium	Unaffected by proposal	Retain
175	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	5	4	Good	250	350	3000	2129	Mature	None noted	Low	Medium	Medium	Unaffected by proposal	Retain
176	<i>Eucalyptus tereticornis</i>	Forest Red Gum	14	6	Good	350	450	4200	2366	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
177	<i>Eucalyptus tereticornis</i>	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	<i>Eucalyptus moluccana</i>	Grey Box	14	7	Good	300	450	3600	2366	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
179	<i>Eucalyptus moluccana</i>	Grey Box	14	9	Poor	410	480	4920	2431	Mature	Bark Inclusion	Medium	Short	Very Low	Unaffected by proposal	Retain
180	<i>Eucalyptus moluccana</i>	Grey Box	13	6	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
181	<i>Eucalyptus moluccana</i>	Grey Box	18	7	Good	380	450	4560	2366	Mature	Bark Inclusion	Medium	Short	Very Low	Unaffected by proposal	Retain
182	<i>Eucalyptus tereticornis</i>	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	<i>Eucalyptus tereticornis</i>	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	<i>Eucalyptus tereticornis</i>	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	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	4	Good	220	330	2640	2077	Mature	None noted	Low	Medium	Medium	Landscape construction, soil level changes	Remove
187	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	4	Good	220	330	2640	2077	Mature	None noted	Low	Medium	Medium	Unaffected by proposal	Retain
188	<i>Eucalyptus moluccana</i>	Grey Box	10	6	Good	400	500	4800	2474	Mature	None noted	Medium	Medium	Medium	Minor encroachment <10% of TPZ.	Retain
189	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	4	Good	170	200	2040	1683	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
190	<i>Eucalyptus moluccana</i>	Grey Box	14	8	Good	400	460	4800	2388	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
191	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
192	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
193	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Landscape construction, soil level changes	Remove
194	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	320	440	3840	2344	Mature	None noted	Medium	Medium	Medium	Landscape construction, soil level changes	Remove
195	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	340	460	4080	2388	Mature	None noted	Medium	Medium	Medium	Landscape construction, soil level changes	Remove
196	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	340	460	4080	2388	Mature	None noted	Medium	Medium	Medium	Landscape construction, soil level changes	Remove
197	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	340	460	4080	2388	Mature	None noted	Medium	Medium	Medium	Landscape construction, soil level changes	Remove
199	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	340	460	4080	2388	Mature	None noted	Medium	Medium	Medium	Landscape construction, soil level changes	Remove
200	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	340	460	4080	2388	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
201	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	320	400	3840	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
202	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	320	400	3840	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
203	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	6	Good	280	340	3360	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
204	<i>Corymbia citriodora</i>	Lemon-scented Gum	10	6	Good	280	340	3360	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
205	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	8	Good	300	370	3600	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
206	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	8	Good	300	370	3600	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
207	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	8	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
208	<i>Corymbia citriodora</i>	Lemon-scented Gum	15	10	Good	340	460	4080	2388	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
209	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	330	390	3960	2228	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
210	<i>Corymbia citriodora</i>	Lemon-scented Gum	17	11	Good	350	450	4200	2366	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
211	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	8	4	Good	200	300	2400	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
213	<i>Eucalyptus parramattensis</i>	Parramatta Red Gum	15	10	Poor	460	540	5520	2555	Senescent	None noted	Medium	Short	Low	Landscape construction, soil level changes	Remove
214	<i>Eucalyptus parramattensis</i>	Parramatta Red Gum	7	3	Poor	200	400	2400	2252	Juvenile	None noted	Low	Short	Low	Landscape construction, soil level changes	Remove
215	<i>Eucalyptus moluccana</i>	Grey Box	15	11	Good	380	450	4560	2366	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
216	<i>Eucalyptus moluccana</i>	Grey Box	9	5	Good	250	360	3000	2155	Mature	Suppressed	Low	Short	Low	Unaffected by proposal	Retain
217	<i>Eucalyptus moluccana</i>	Grey Box	18	10	Good	400	520	4800	2515	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
218	<i>Eucalyptus tereticornis</i>	Forest Red Gum	15	8	Good	340	440	4080	2344	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
219	<i>Eucalyptus tereticornis</i>	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	<i>Eucalyptus paniculata</i>	Grey Ironbark	6	4	Good	200	250	2400	1849	Semi-mature	None noted	Low	Medium	Medium	Landscape construction, soil level changes	Remove
221	<i>Eucalyptus paniculata</i>	Grey Ironbark	6	4	Good	200	250	2400	1849	Mature	None noted	Low	Medium	Medium	Landscape construction, soil level changes	Remove
222	<i>Eucalyptus moluccana</i>	Grey Box	18	12	Good	410	500	4920	2474	Mature	Numerous branch failures	Medium	Short	Low	Landscape construction, soil level changes	Remove
223	<i>Eucalyptus moluccana</i>	Grey Box	5	3	Poor	200	290	2400	1968	Immature	None noted	Low	Short	Low	Unaffected by proposal	Retain
224	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	5	Good	270	380	3240	2204	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
226	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	280	370	3360	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
227	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	280	370	3360	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
228	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	280	370	3360	2180	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
229	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	280	370	3360	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
230	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	280	370	3360	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
231	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	8	Good	280	370	3360	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
232	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	19	11	Good	330	440	3960	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
234	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	9	Good	300	400	3600	2252	Mature	Poor form	Medium	Short	Low	Tree is within construction footprint	Remove
235	<i>Corymbia citriodora</i>	Lemon-scented Gum	17	9	Good	350	440	4200	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
236	<i>Corymbia citriodora</i>	Lemon-scented Gum	17	9	Good	350	440	4200	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
237	<i>Corymbia citriodora</i>	Lemon-scented Gum	17	9	Good	350	440	4200	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
238	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	9	2	Good	180	270	2160	1910	Semi-mature	Suppressed	Low	Medium	Medium	Tree is within construction footprint	Remove
240	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	11	Good	440	500	5280	2474	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
241	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	11	Good	440	500	5280	2474	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
242	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	11	Good	440	500	5280	2474	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
243	<i>Corymbia citriodora</i>	Lemon-scented Gum	19	4	Good	250	360	3000	2155	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
244	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	10	Good	350	440	4200	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
245	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	10	Good	350	440	4200	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
246	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	10	Good	320	390	3840	2228	Mature	Bark Inclusion	Low	Short	Very Low	Tree is within construction footprint	Remove
247	<i>Corymbia citriodora</i>	Lemon-scented Gum	20	12	Good	370	460	4440	2388	Mature	Bark Inclusion	Medium	Remove	Very Low	Tree is within construction footprint	Remove
248	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	9	Good	340	420	4080	2299	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
249	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	9	7	Good	210	300	2520	1996	Mature	Suppressed	Medium	Medium	Medium	Tree is within construction footprint	Remove
251	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	11	Good	370	460	4440	2388	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
252	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	8	Fair	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
254	<i>Corymbia citriodora</i>	Lemon-scented Gum	22	8	Fair	340	430	4080	2322	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
255	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	310	400	3720	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
256	<i>Corymbia citriodora</i>	Lemon-scented Gum	14	10	Good	310	400	3720	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
257	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	4	Good	250	340	3000	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
258	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	6	Good	250	340	3000	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
259	<i>Corymbia citriodora</i>	Lemon-scented Gum	18	9	Good	320	400	3840	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
260	<i>Corymbia citriodora</i>	Lemon-scented Gum	12	10	Good	340	410	4080	2276	Mature	Poor form	Medium	Short	Low	Tree is within construction footprint	Remove
261	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	6	Good	250	300	3000	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
262	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	6	Good	250	300	3000	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
263	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	6	Good	250	300	3000	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
264	<i>Corymbia citriodora</i>	Lemon-scented Gum	13	6	Good	220	300	2640	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
265	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	10	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
266	<i>Corymbia citriodora</i>	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	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	10	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
268	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	10	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
269	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	10	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
270	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	10	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
271	<i>Corymbia citriodora</i>	Lemon-scented Gum	16	10	Good	350	440	4200	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
272	<i>Corymbia citriodora</i>	Lemon-scented Gum	22	13	Good	440	590	5280	2652	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
273	<i>Corymbia citriodora</i>	Lemon-scented Gum	22	13	Good	390	440	4680	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
274	<i>Corymbia citriodora</i>	Lemon-scented Gum	22	14	Good	420	490	5040	2453	Mature	Basal wound	Medium	Medium	Medium	Tree is within construction footprint	Remove
275	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	230	2000	1785	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
276	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	100	150	2000	1500	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
277	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
278	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
279	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
280	<i>Callistemon viminalis</i>	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	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
282	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
283	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
284	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	100	150	2000	1500	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
285	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	150	220	2000	1752	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
286	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	170	300	2040	1996	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
287	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	170	300	2040	1996	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
288	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	170	300	2040	1996	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
289	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	170	300	2040	1996	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
290	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	170	300	2040	1996	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
291	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	100	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
292	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	100	200	2000	1683	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
293	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	200	300	2400	1996	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
294	<i>Callistemon viminalis</i>	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	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3	2	Good	100	150	2000	1500	Mature	None noted	Low	Medium	Medium	Street tree-Unaffected by proposal	Retain
296	<i>Casuarina glauca</i>	Swamp She-Oak	4	3	Good	450	500	5400	2474	Mature	None noted	Low	Short	Low	Street tree-Unaffected by proposal	Retain
297	<i>Casuarina glauca</i>	Swamp She-Oak	4	3	Good	300	350	3600	2129	Mature	None noted	Low	Short	Low	Street tree-Unaffected by proposal	Retain
298	<i>Eucalyptus paniculata</i>	Grey Ironbark	15	8	Good	380	450	4560	2366	Mature	Poor union	Low	Remove	Very Low	Tree is within construction footprint	Remove
299	<i>Eucalyptus paniculata</i>	Grey Ironbark	15	8	Fair	340	400	4080	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
300	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	4	Good	270	330	3240	2077	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
301	<i>Eucalyptus paniculata</i>	Grey Ironbark	20	8	Good	380	440	4560	2344	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
302	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	3	Good	240	300	2880	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
303	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	4	Good	180	250	2160	1849	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
304	<i>Eucalyptus paniculata</i>	Grey Ironbark	6	4	Good	200	240	2400	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
305	<i>Eucalyptus paniculata</i>	Grey Ironbark	6	4	Good	200	240	2400	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
306	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	5	Fair	230	300	2760	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
307	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	5	Good	230	300	2760	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
308	<i>Eucalyptus paniculata</i>	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	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	5	Good	200	300	2400	1996	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
310	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	5	Good	280	350	3360	2129	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
311	<i>Eucalyptus paniculata</i>	Grey Ironbark	18	10	Poor	360	420	4320	2299	Senescent	None noted	Medium	Short	Low	Tree is within construction footprint	Remove
312	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	2	Good	190	250	2280	1849	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
313	<i>Eucalyptus paniculata</i>	Grey Ironbark	5	3	Good	140	160	2000	1533	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
314	<i>Eucalyptus paniculata</i>	Grey Ironbark	10	2	Good	180	230	2160	1785	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
315	<i>Eucalyptus paniculata</i>	Grey Ironbark	3	2	Fair	100	150	2000	1500	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
316	<i>Eucalyptus paniculata</i>	Grey Ironbark	14	6	Good	350	430	4200	2322	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
317	<i>Eucalyptus paniculata</i>	Grey Ironbark	14	6	Good	350	430	4200	2322	Mature	Poor union	Low	Remove	Very Low	Tree is within construction footprint	Remove
318	<i>Eucalyptus paniculata</i>	Grey Ironbark	11	7	Good	350	430	4200	2322	Mature	Poor union	Low	Remove	Very Low	Tree is within construction footprint	Remove
319	<i>Eucalyptus paniculata</i>	Grey Ironbark	13	5	Good	260	340	3120	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
320	<i>Eucalyptus paniculata</i>	Grey Ironbark	13	5	Good	260	340	3120	2104	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
321	<i>Eucalyptus paniculata</i>	Grey Ironbark	18	5	Good	300	340	3600	2104	Mature	Poor structure	Low	Remove	Very Low	Tree is within construction footprint	Remove
322	<i>Eucalyptus paniculata</i>	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	<i>Eucalyptus paniculata</i>	Grey Ironbark	17	8	Good	390	460	4680	2388	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
324	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	4	Good	240	300	2880	1996	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
325	<i>Eucalyptus paniculata</i>	Grey Ironbark	6	3	Good	180	240	2160	1817	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
326	<i>Eucalyptus paniculata</i>	Grey Ironbark	15	7	Good	400	450	4800	2366	Mature	Poor structure	Low	Remove	Very Low	Tree is within construction footprint	Remove
327	<i>Eucalyptus paniculata</i>	Grey Ironbark	10	4	Good	350	400	4200	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
328	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	6	Good	400	500	4800	2474	Mature	Poor basal union	Medium	Remove	Very Low	Tree is within construction footprint	Remove
329	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	2	Good	200	260	2400	1879	Mature	None noted	Low	Medium	Medium	Tree is within construction footprint	Remove
330	<i>Eucalyptus paniculata</i>	Grey Ironbark	11	4	Good	300	370	3600	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
331	<i>Eucalyptus paniculata</i>	Grey Ironbark	11	4	Good	300	370	3600	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
332	<i>Eucalyptus paniculata</i>	Grey Ironbark	11	4	Good	300	370	3600	2180	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
333	<i>Eucalyptus paniculata</i>	Grey Ironbark	12	8	Good	350	450	4200	2366	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
334	<i>Acacia decurrens</i>	Green Wattle	7	2	Poor	200	250	2400	1849	Mature	None noted	Low	Short	Low	Tree is within construction footprint	Remove
335	<i>Eucalyptus paniculata</i>	Grey Ironbark	11	5	Good	300	400	3600	2252	Mature	None noted	Medium	Medium	Medium	Tree is within construction footprint	Remove
336	<i>Eucalyptus paniculata</i>	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	<i>Eucalyptus paniculata</i>	Grey Ironbark	11	4	Good	270	320	3240	2051	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
338	<i>Eucalyptus paniculata</i>	Grey Ironbark	14	8	Good	400	460	4800	2388	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
339	<i>Eucalyptus paniculata</i>	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	<i>Acacia decurrens</i>	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	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	5	Good	240	300	2880	1996	Mature	None noted	Low	Medium	Medium	Unaffected by proposal	Retain
342	<i>Eucalyptus saligna</i>	Sydney Blue Gum	12	3	Good	220	300	2640	1996	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
343	<i>Eucalyptus moluccana</i>	Grey Box	14	8	Good	300	350	3600	2129	Mature	None noted	Medium	Medium	Medium	Unaffected by proposal	Retain
344	<i>Eucalyptus paniculata</i>	Grey Ironbark	8	4	Good	240	320	2880	2051	Mature	None noted	Low	Medium	Medium	Unaffected by proposal	Retain
345	<i>Eucalyptus moluccana</i>	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.	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-151-152-153-154-155-156-157-158-159-160-161-164-177-179-181-182-184-185-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-219-220-221-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-340-341-342-343-344.
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

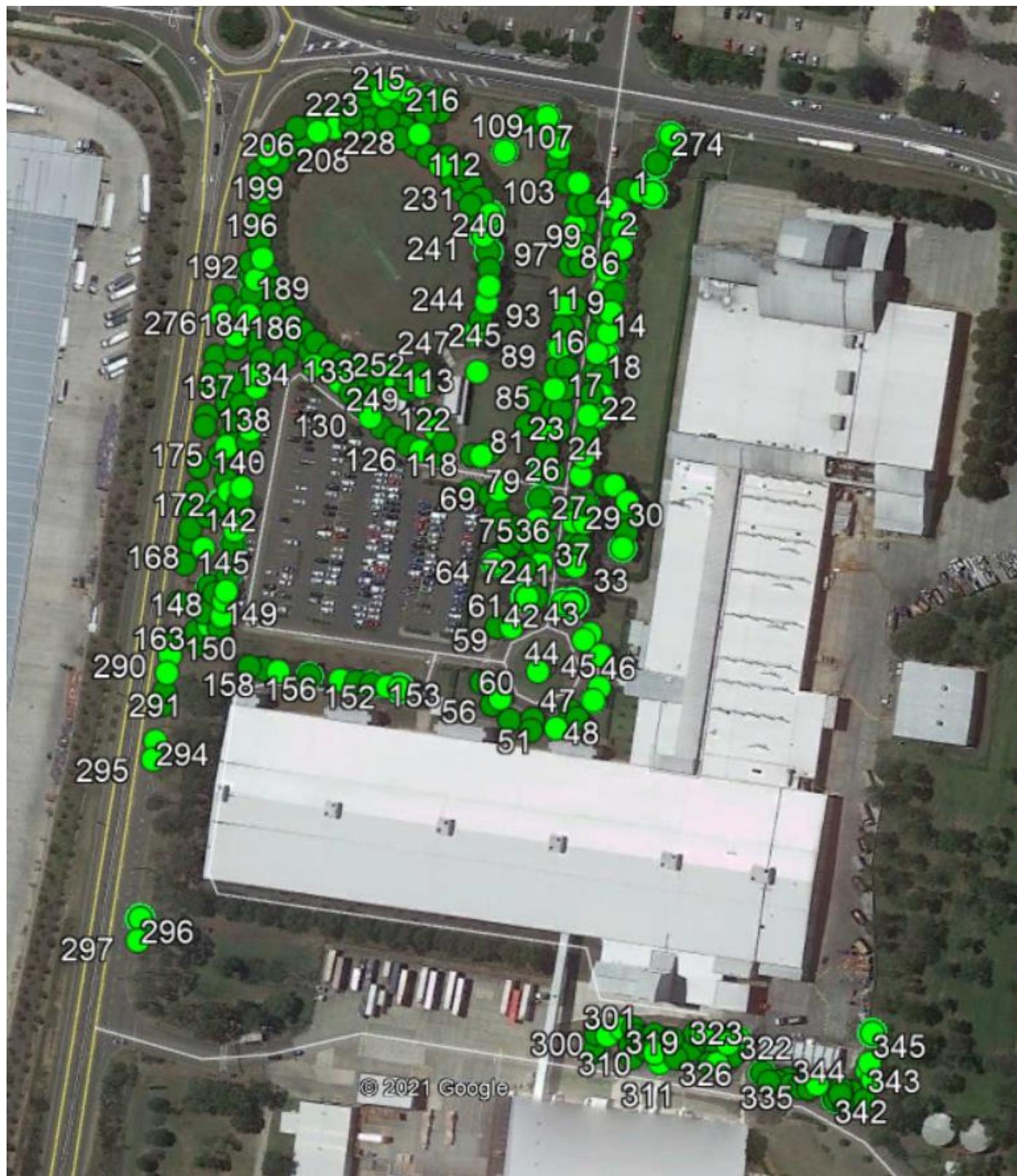


Figure 2- Tree locations within the site.

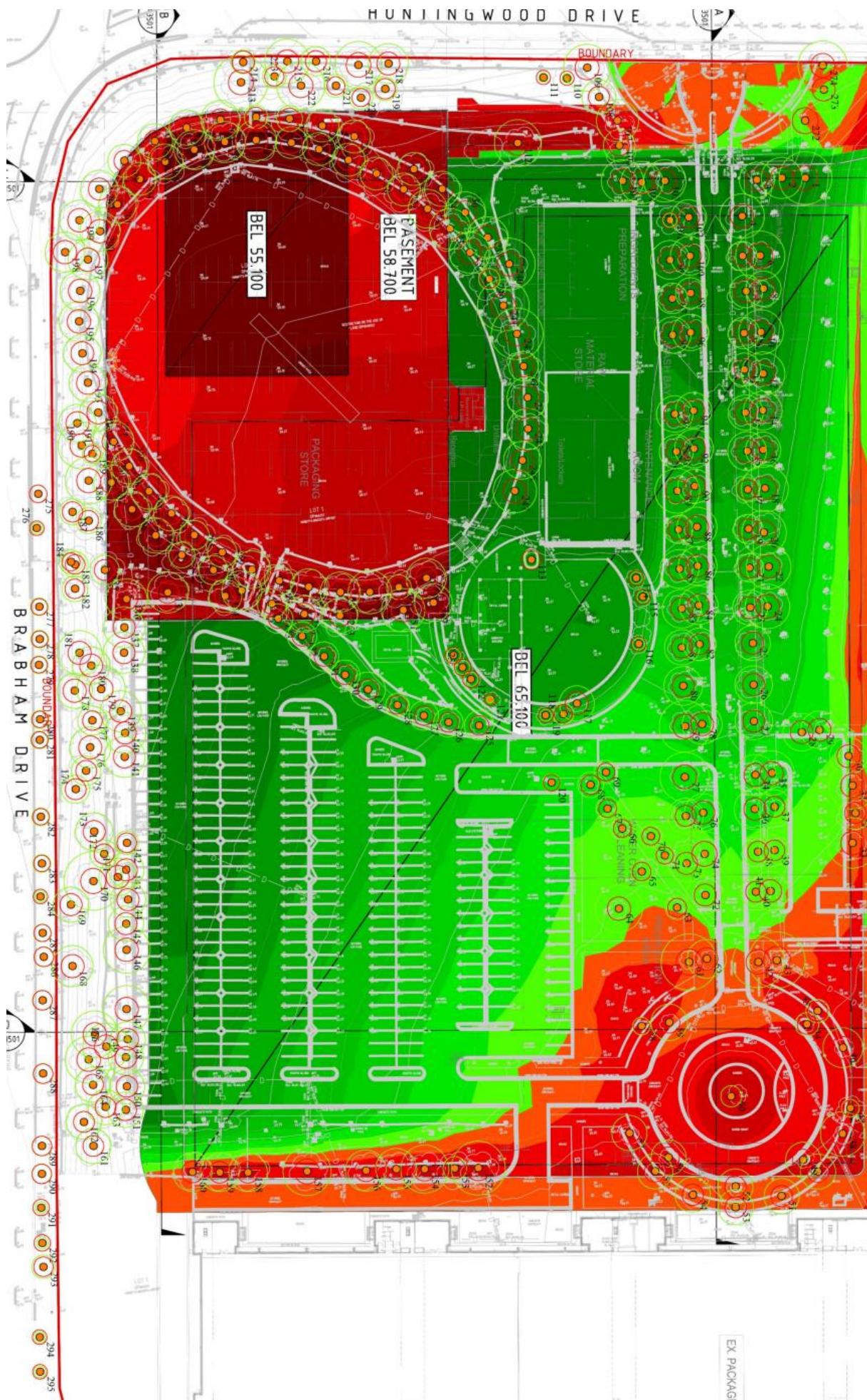


Figure 3- Tree locations overlaid onto the cut & fill plan showing the main area of construction in the N/W corner of the site.

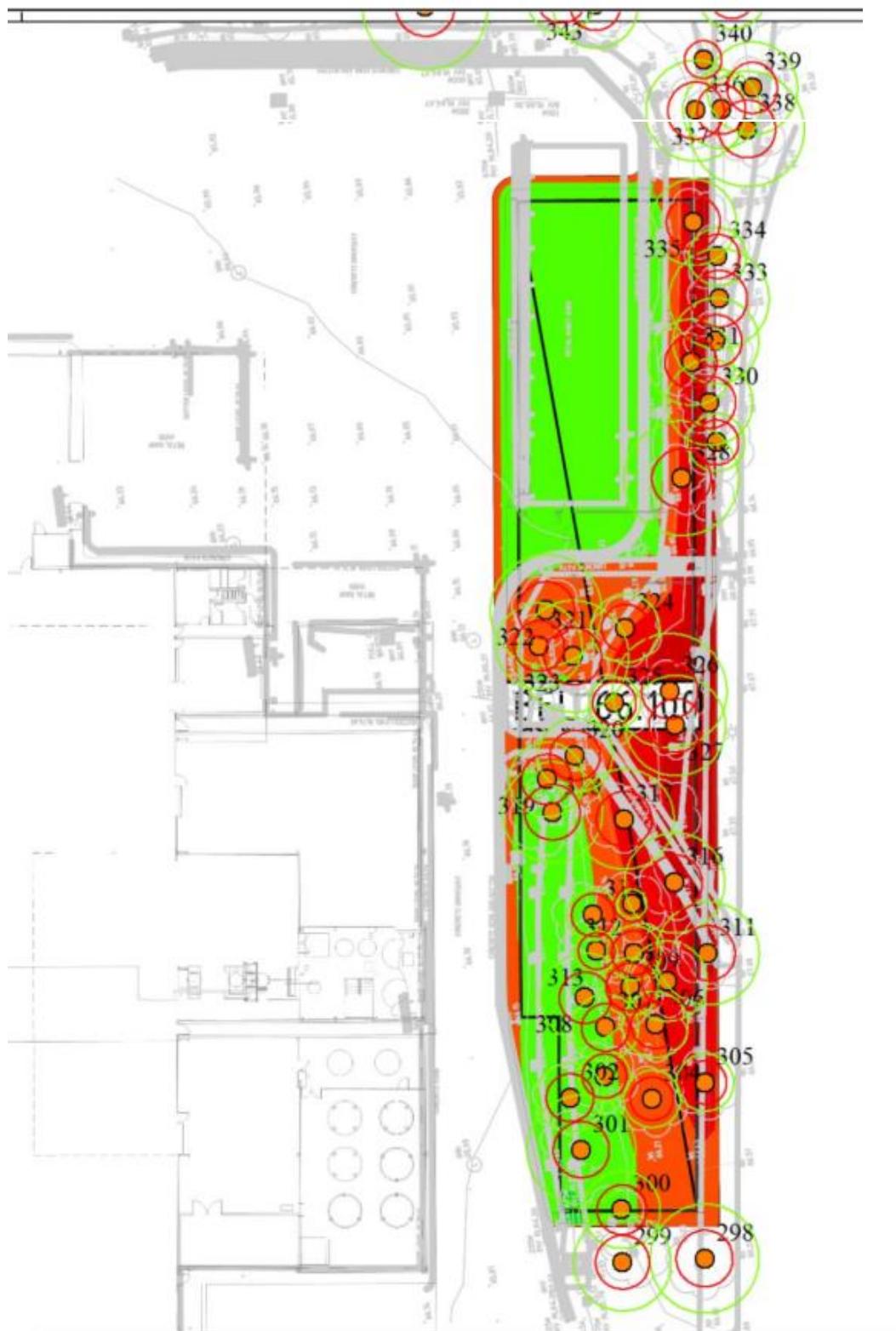


Figure 4- Tree locations overlaid on the cut & fill plan for the proposed building in the south-eastern corner of the development site.

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.

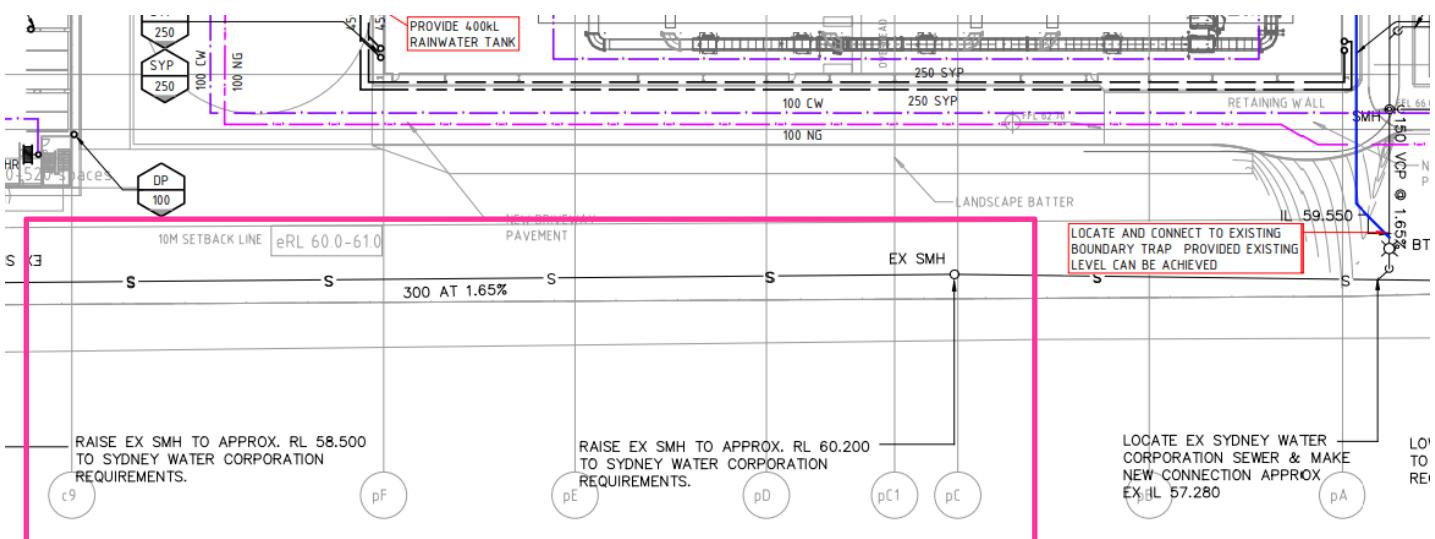


Figure 5- Section of drawing HSK-03 showing proposed modification of the existing sewer line.

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.

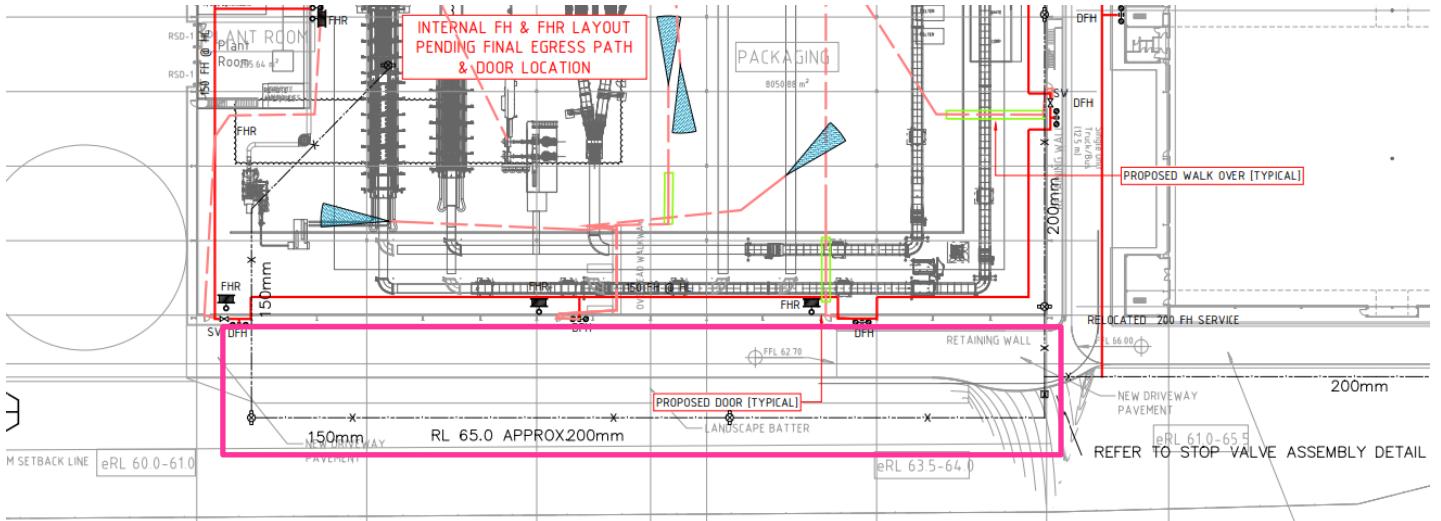


Figure 6- A section of drawing HSK-04 showing a proposed fire hydrant line.

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.

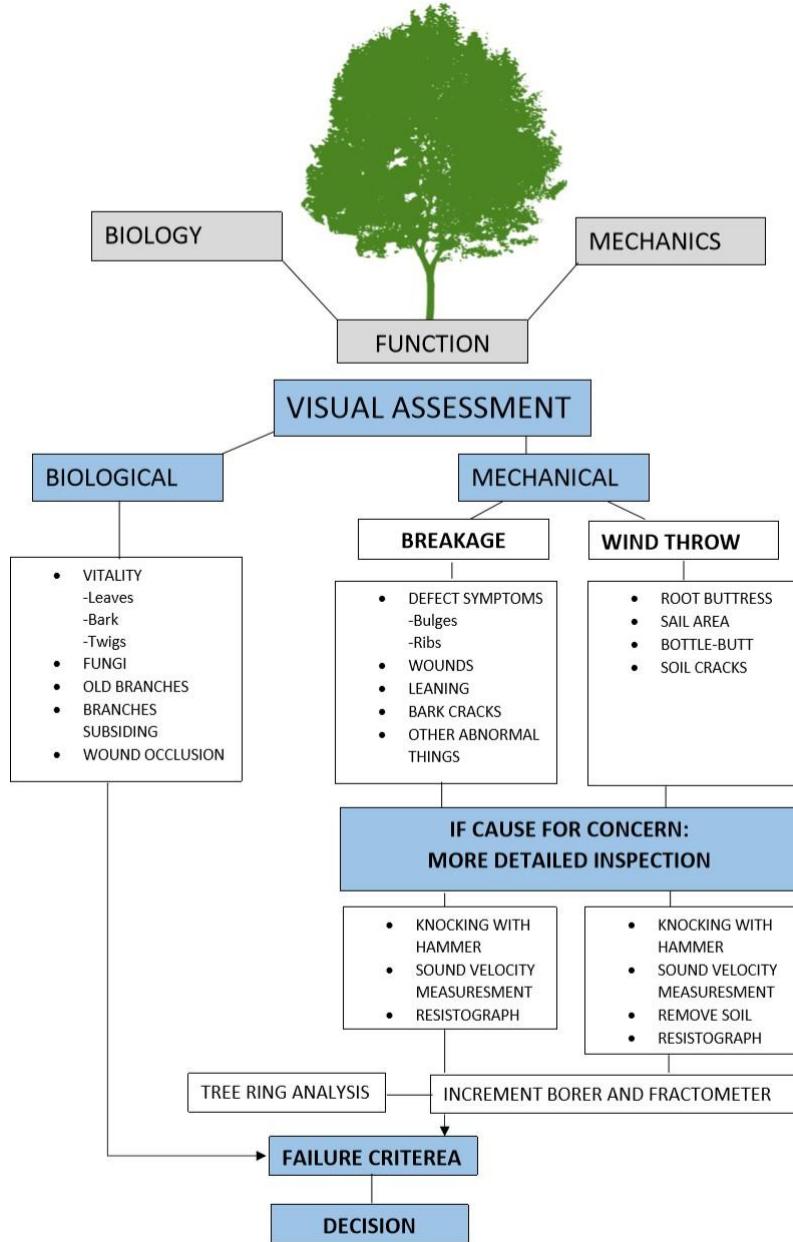


Figure 4- The Visual Tree Assessment Procedure.

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."¹¹

"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.

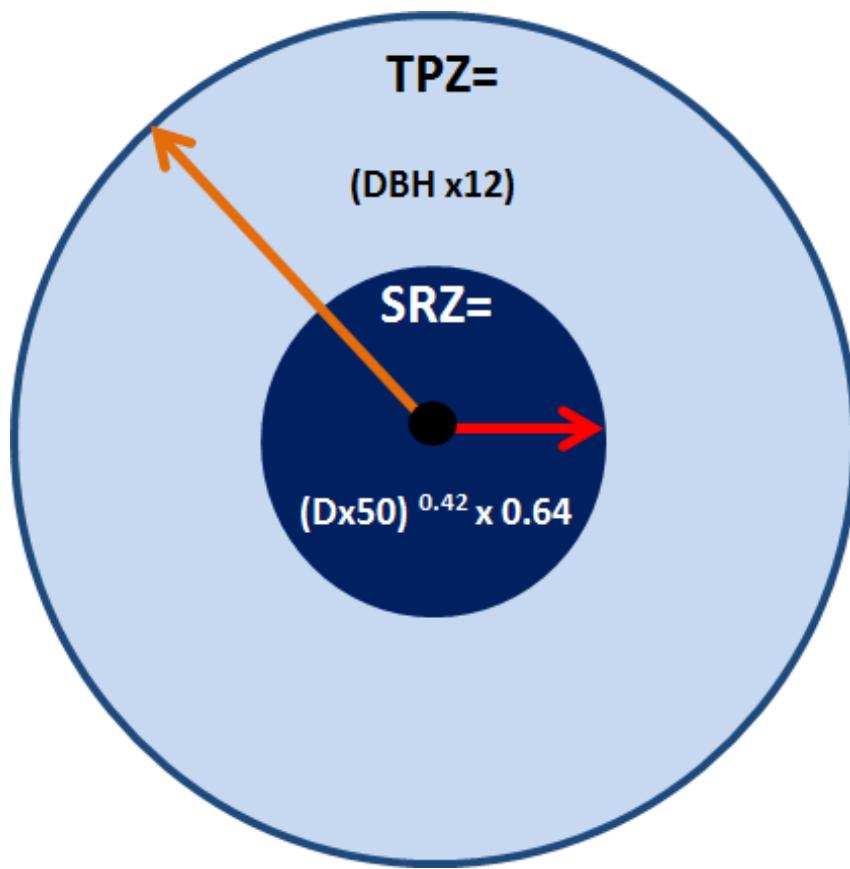


Figure 7- A representation of TPZ & SRZ calculations.

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



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	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 *Protection of trees on development sites*. Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone.
	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

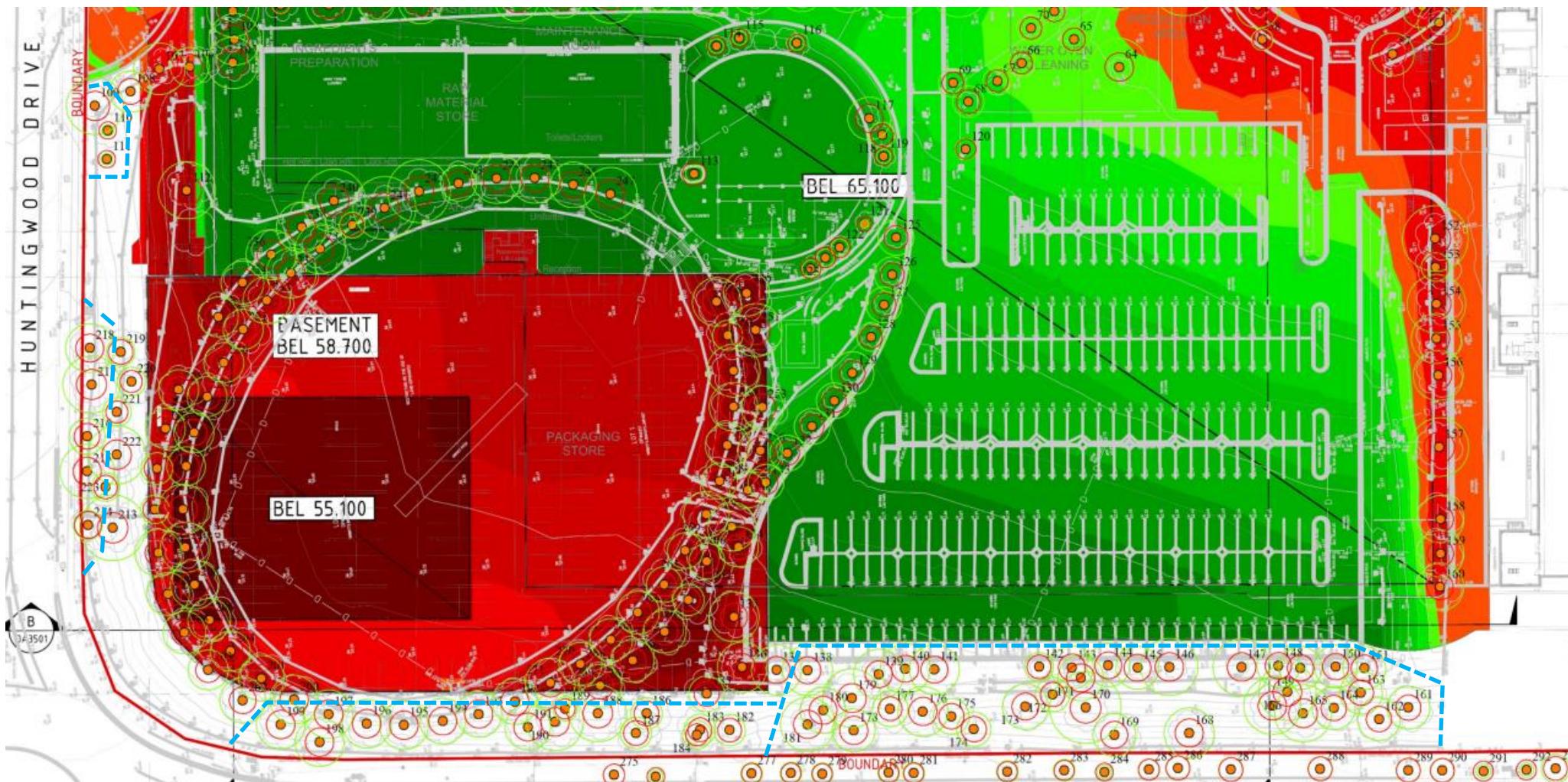


Figure 8- Tree protection fencing plan showing the approximate location of the TPZ fencing in dotted blue lines.

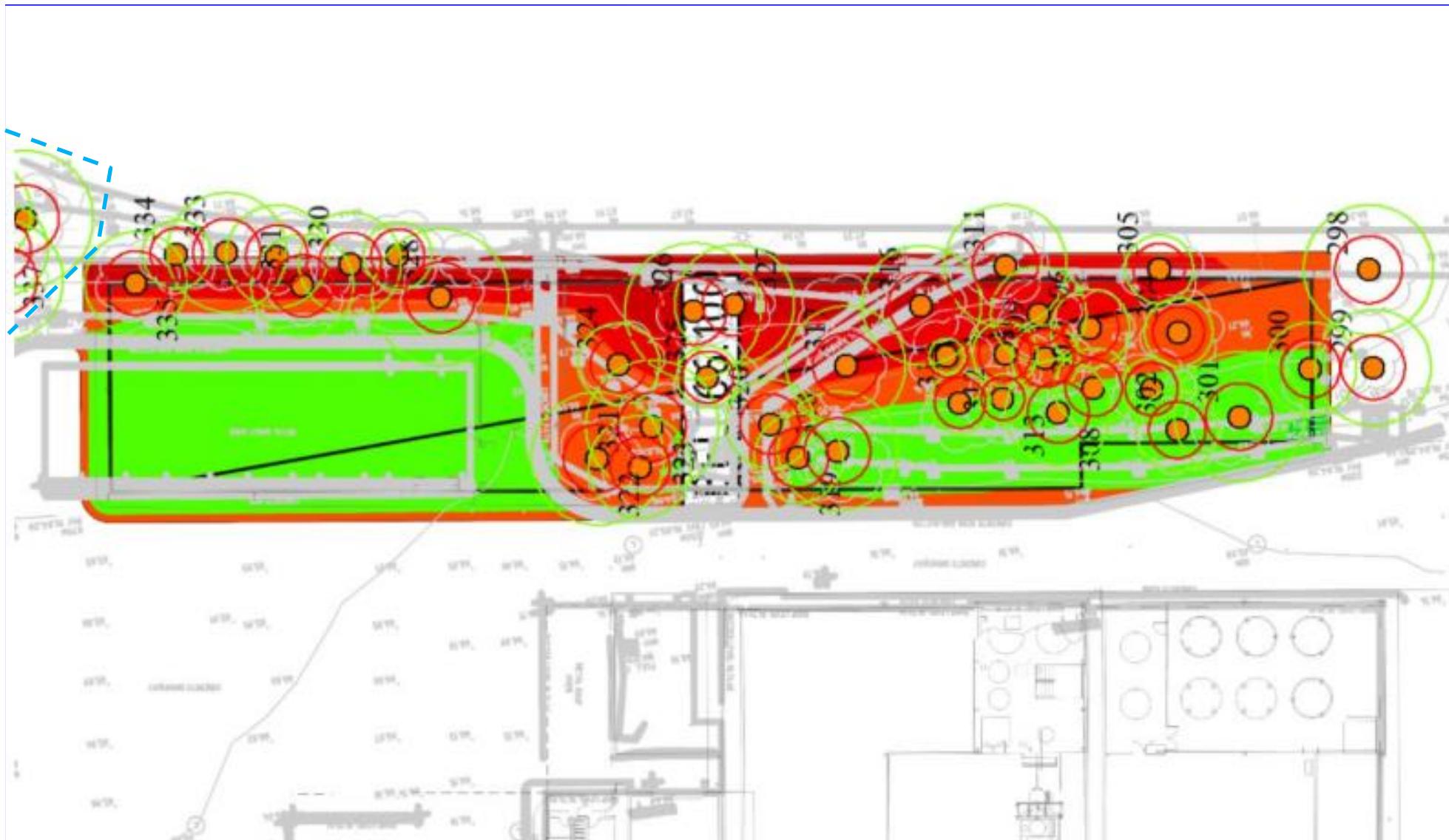


Figure 9- TPZ fencing (Blue) is to be installed around all trees to be retained.

APPENDIX 3- SITE PHOTOGRAPHS

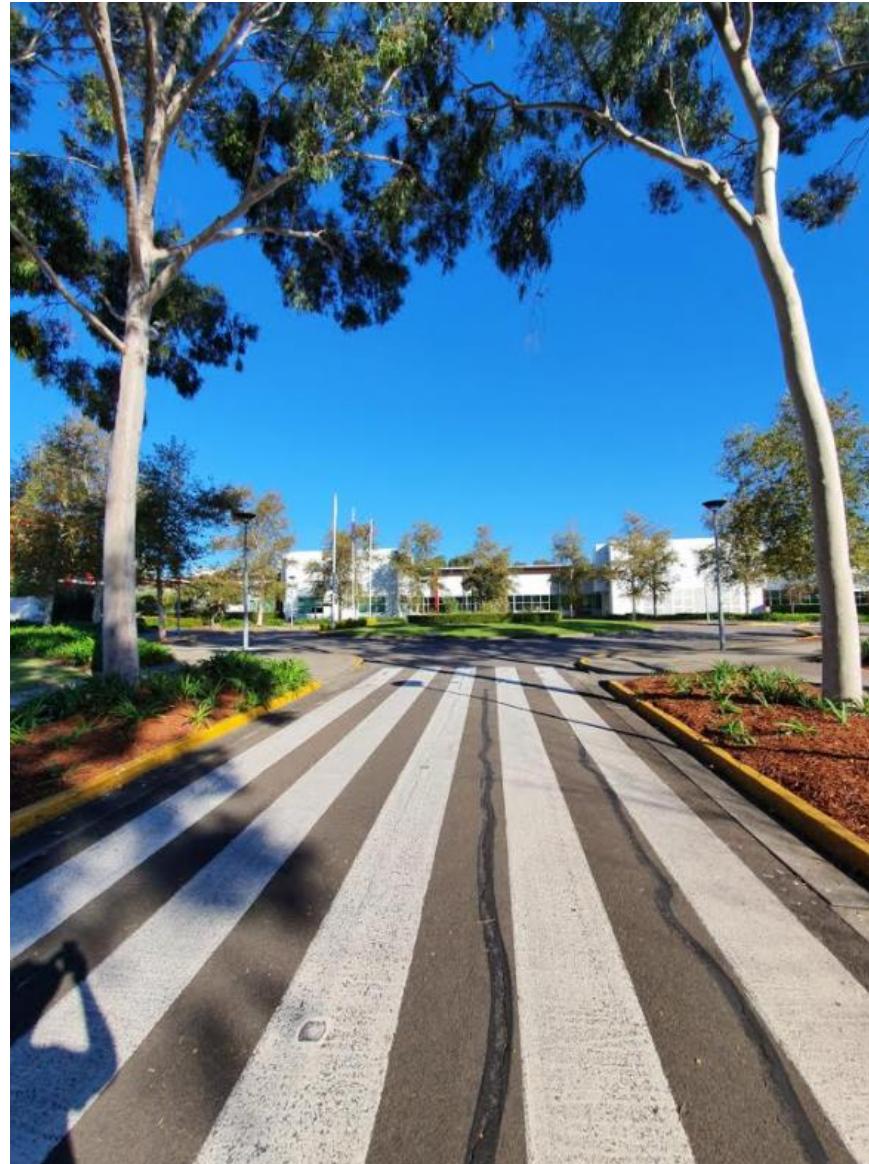


Figure 10 & 11- These images show the main driveway entrance from Huntingwood Drive.

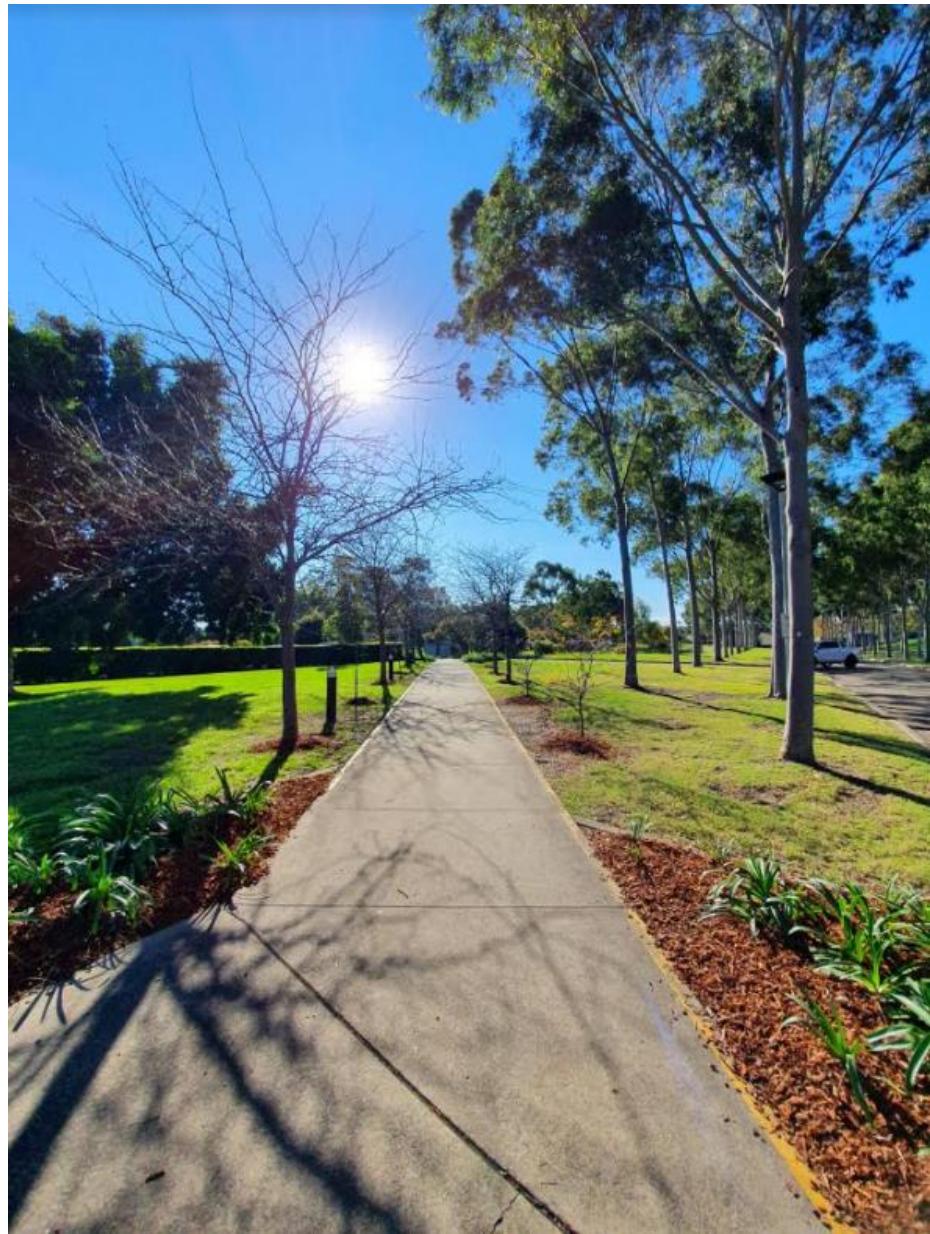


Figure 12- Image showing the existing detention basin and Figure 13- A footpath to the west of the main driveway.