



Ivanhoe Estate Redevelopment

Arboricultural Impact Assessment

Prepared for
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All trees have been assessed based on the observations from the site inspection and information presented by the client or relevant parties at the time of inspection. No responsibility can be taken for incorrect or misleading information provided by the client or other parties.

Trees are living organisms. As such, their health and structure may alter, they will grow and their environmental circumstances may change from the time of the site inspection upon which this assessment is based. Trees, as with all living things, pose some level of risk.

Tree risk assessments are valid for 12 months after the date of inspection, unless otherwise stated. Any significant change to the subject tree(s) or surrounding environment, including significant or catastrophic storm/wind events will require the immediate re-inspection and assessment of the tree(s).

Trees fail in ways that the arboricultural community are yet to fully understand. There is no guarantee expressed or implied that failure or deficiencies may not arise of the subject trees in the future. No responsibility is accepted for damage to property or injury/death caused by the nominated trees.

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Abbreviations

Abbreviation	Description
AQF	Australian Qualifications Framework
AS	Australian Standards
DBH	Diameter at Breast Height
ELA	Eco Logical Australia
m	Metre
mm	Millimetre
NDE	Non-Destructive Excavation
NO	Number
NSW	New South Wales
SP	Species
SRZ	Structural Root Zone
TPZ	Tree Protection Zone
VTA	Visual Tree Assessment

1 Background

1.1 Introduction

Eco Logical Australia Pty Ltd (ELA) was commissioned by Frasers Property to prepare an arboricultural impact assessment for the redevelopment of the Ivanhoe Estate, Macquarie Park (the Project).

1.2 Purpose

- Identify the trees within the site that are likely to be affected by the proposed works
- Assess the current overall health and condition of the subject trees
- Evaluate the significance of the subject trees and assess their suitability for retention
- Inform the Flora and Fauna Assessment for the extent and condition of removal of any vegetation.

1.3 Proposal

NSW Land and Housing Corporation has entered into arrangements to redevelop the site with the Aspire Consortium comprising development partners Frasers Property Australia and Citta Property Group and the community housing partner, Mission Australia Housing.

The Masterplan SSD DA will be a concept development application made pursuant to Section 83B of the Environmental Planning and Assessment Act 1979 (EP&A Act) that sets out the concept proposal for the Ivanhoe Estate. Specifically, the DA will seek consent for:

- Allocation of uses across the site, including:
 - residential flat buildings comprising private, social and affordable housing
 - seniors house comprising residential care facilities and self-contained dwellings
 - a new high school
 - child care centres
 - public open space and roads
 - minor retail development and
 - community uses
- Built form design principles and controls, including maximum building heights, and maximum gross floor areas (GFA) across the site, for each development block, and for specific uses
- Vehicular and pedestrian access arrangements
- Tree removal and demolition of existing roadways and
- Regeneration of RE1 zoned land along Shrimptons Creek.

Separate development applications will be lodged for the detailed design and construction of future stages of the development in accordance with the approved Masterplan SSD DA. The Masterplan SSD DA will be accompanied by a concurrent detailed DA for the first stage of development.

The Ivanhoe Estate Masterplan will provide for a mixed-use neighbourhood with buildings arranged to maximise residential amenity outcomes and a diverse open space network designed to create an inclusive community oriented public domain.

The redevelopment will require the demolition of existing dwellings and services, as well as earthworks, and redevelopment of the site. Extensive ground disturbance will be required as part of the works, which will result in the removal of a significant portion of vegetation that currently exists within the site.

The demolition of the Ivanhoe Estate is being assessed via an REF under Part 5 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). As such there are multiple assessments currently undertaken for the same site. The assessment provided in this document considers the trees present at the time of site inspections and the impacts of the redevelopment.

Trees removed as part of the demolition are identified in later figures and tables, however the site is assessed as a whole as the demolition is considered to be a part of the redevelopment application.

1.4 Study area

The suburb of Macquarie Park is located in the City of Ryde Local Government Area (LGA) in north-west Sydney. The Ivanhoe Estate (referred to in this report as “the development site”) is located at the intersection of Epping Road, which forms the southern boundary, and Herring Road along the western boundary.

The Ivanhoe Estate is owned by LAHC and provides social housing for up to 260 residential dwellings. The site is approximately 8.25 ha in size and features double-storey units and a large patch of bushland along Epping Road. Shrimpton Creek is located along the eastern boundary and contains dense woody weeds and an example of remnant forest. Residential development forms the northern boundary. In the local vicinity, high-rise residential developments are in the process of construction and complement the commercial aspects of Macquarie Park, i.e. Macquarie Shopping Centre and Macquarie University.

1.5 Subject trees

The subject trees were inspected on 25th & 27th September, 3rd October and 2nd November 2017. Approximately **1089** trees were identified within the study area. It is presumed that **547** trees will be removed in the demolition works of existing buildings and infrastructure and have not been included in this assessment.

Of the remaining **542** subject trees, trees of the same species, with similar dimensions growing in close proximity to each other, have been documented as a group and presented under a single way point.

Trees which are observed to be dead at the time of inspection have not been surveyed. Dead trees can be used by fauna as habitat and should therefore be inspected by an ecologist prior to removal.

Further information, observations and measurements specific to each of the subject trees can be found in **Chapter 3**.

No dead trees were identified as being used by fauna as habitat in report *Eco Logical Australia October 2017. Ivanhoe Estate Re-development SSD 17_8707 – Biodiversity Assessment Report and Offset Strategy. Prepared for Frasers Property Australia – Rhodes*.

1.6 Polygon A

Subject trees located under Polygon A & Polygon B, have been assessed as a group due to the total number and close proximity of the subject trees to one another. These polygons consist primarily of the following species:

- *Angophora costata* (Sydney Red Gum)
- *Eucalyptus saligna* (Sydney Blue Gum)

- *Syncarpia glomulifera* (Turpentine)
- *Comymbia maculata* (Spotted Gum)
- *Casuarina glauca* (Swamp She Oak)

1.7 Documents and plans referenced

The conclusions and recommendations of this report are based on the *Australian Standard, AS 4970-2009, Protection of Trees on Development Sites*, the findings from the site inspections and analysis of the following documents/plans:

- *Eco Logical Australia October 2017. Ivanhoe Estate Demolition, Flora and Fauna Assessment Report. Prepared for NSW Land and Housing Corporation.*
- *Eco Logical Australia November 2017 Ivanhoe Estate Re-development SSD 17_8707, Biodiversity Assessment Report and Offset Strategy*

2 Method

2.1 Visual tree assessment

The subject trees were assessed in accordance with a stage one visual tree assessment (VTA) as formulated by Mattheck & Breloer (1994)¹, and practices consistent with modern arboriculture.

The following limitations apply to this methodology:

- Trees were inspected from ground level, without the use of any invasive or diagnostic tools and testing.
- Trees within adjacent properties or restricted areas were not subject to a complete visual inspection (i.e. defects and abnormalities may be present but not recorded).
- No aerial inspections or root mapping was undertaken.
- Tree heights, canopy spread and diameter at breast height (DBH) was estimated, unless otherwise stated.
- Tree identification was based on broad taxonomical features present and visible from ground level at the time of inspection.

2.2 Retention Value

The retention value/importance of a tree or group of trees, is determined using a combination of environmental, cultural, physical and social values.

- **Low:** These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.
- **Medium:** These trees are moderately important for retention. Their removal should only be considered if adversely affected by the proposed works and all other alternatives have been considered and exhausted.
- **High:** These trees are considered important and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by *Australian Standard AS4970 Protection of trees on development sites*.

This tree retention assessment has been undertaken in accordance with the *Institute of Australian Consulting Arboriculturists (IACA) Significance of a Tree, Assessment Rating System (STARS)*. Further details and assessment criteria are in **Appendix C**.

¹ VTA is an internationally recognised practice in the visual assessment of trees as prescribed by Mattheck, C. and Breloer, H. 1994. 'Field Guide for Visual Tree Assessment' *Arboricultural Journal*, Vol 18 pp 1-23.

2.3 Protection zones

- **Tree protection zone (TPZ):** The TPZ is the optimal combination of crown and root area (as defined by AS 4970-2009) that requires protection during the construction process. The TPZ is an area that is isolated from the work zone to insure no disturbance or encroachment occurs into this zone. Tree sensitive construction measures must be implemented if works are to proceed within the Tree Protection Zone.
- **Structural root zone (SRZ):** The SRZ is the area of the root system (as defined by AS 4970-2009) used for stability, mechanical support and anchorage of the tree. It is critical for the support and stability of the tree, and provides the bulk of mechanical support and anchorage. Severance of roots (>50 mmØ) within the SRZ is generally not recommended as it may lead to the destabilisation and/or decline of the tree.
- **Root investigation:** When assessing the potential impacts of encroachment into the TPZ consideration will need to be given to the location and distribution of the roots, including above or below ground restrictions affecting root growth. Location and distribution of roots may be determined through non-destructive excavation (NDE) methods such as hydro-vacuum excavation (sucker truck), air spade and manual excavation. Root investigation is used to determine the extent and location of roots within the zone of conflict. Root investigation does not guarantee the retention of the tree.

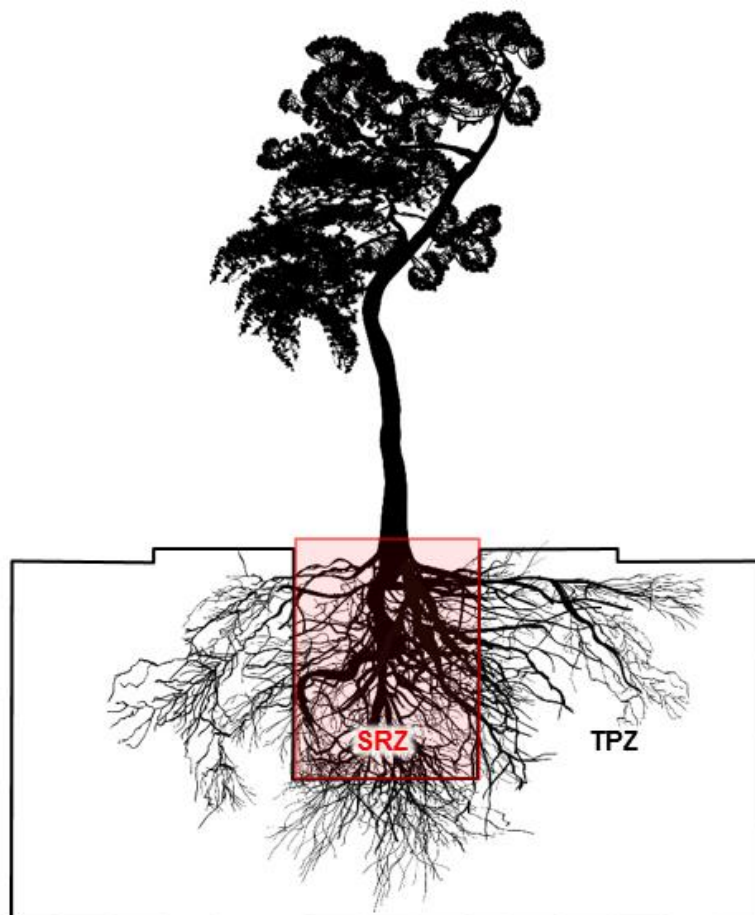


Figure 1: Indicative TPZ and SRZ

2.4 Impacts within the TPZ

- **No impact (0%):** No likely or foreseeable encroachment within the TPZ.
- **Low impact (<10%):** If the proposed encroachment is less than 10% (total area) of the TPZ, and outside of the SRZ, detailed root investigations should not be required. The area lost to this encroachment should be compensated for elsewhere, and be contiguous with the TPZ.
- **Medium impact (<20%):** If the proposed encroachment is greater than 10% of the TPZ and outside of the SRZ, the project arborist must demonstrate that the tree(s) remain viable. The area lost to this encroachment should be compensated for elsewhere, and be contiguous with the TPZ. All work within the TPZ must be carried out under the supervision of the project arborist.
- **High impact (>20%):** If the proposed encroachment is greater than 20% of the TPZ the SRZ may be impacted. Tree sensitive construction techniques may be used for minor works within this area providing no structural roots are likely to be impacted, and the project arborist can demonstrate that the tree(s) remain viable. Root investigation by non-destructive methods is essential for any proposed works within this area.

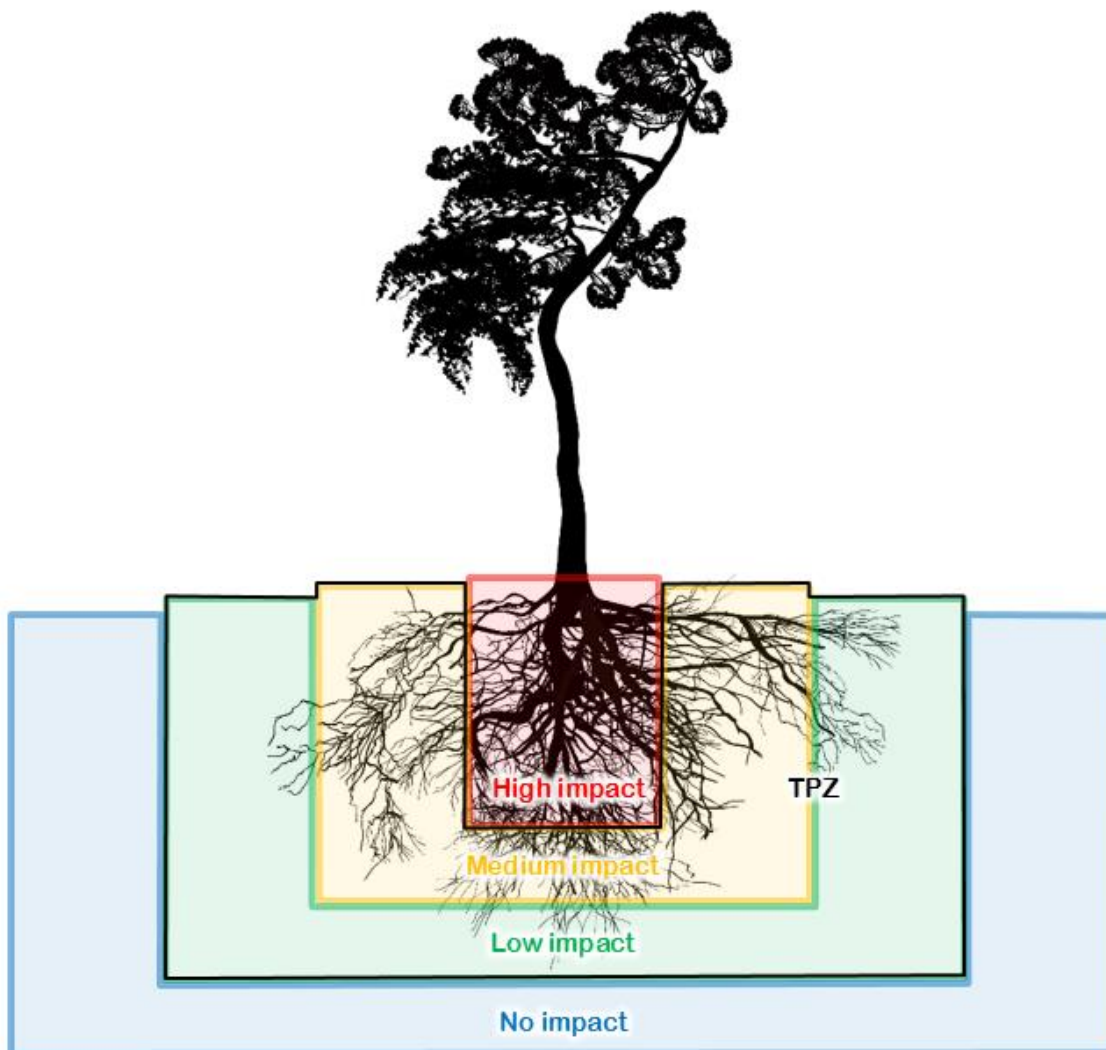


Figure 2: Indicative zones of impact within the TPZ

2.5 Mitigation measures

Encroachment within the TPZ must be offset with a range of mitigation measures to ensure that impacts to the subject tree(s) are reduced or restricted wherever possible. Mitigation must be increased relative to the level of encroachment within the TPZ to ensure the subject tree remains viable. **Table 1** outlines mitigation requirements under AS 4970-2009 within each category of encroachment.

Table 1: Mitigation measures

Impact	Requirements under AS 4970-2009	Mitigation (design phase)	Mitigation (construction phase)
Low impact ($<10\%$)	<ul style="list-style-type: none"> The area lost to this encroachment should be compensated for elsewhere, contiguous with the TPZ. Detailed root investigations should not be required. 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> The area lost to this encroachment should be compensated for elsewhere, contiguous with the TPZ. Tree protection must be installed.
Medium impact ($<20\%$)	<ul style="list-style-type: none"> The project arborist must demonstrate the tree(s) would remain viable. Root investigation by non-destructive methods may be required. Consideration of relevant factors including: Root location and distribution, tree species, condition, site constraints and design factors. 	<p>The following design changes should be considered to retain trees where practicable, considering the retention value of the tree and the complexity and cost of the change.</p> <ul style="list-style-type: none"> Relocate services/pathways outside of tree protection zones Design services to be installed at a minimum depth of 1200mm below ground to avoid impact to the root zones of trees. Design pathways to be installed on or above grade, minimising/eliminating excavation within tree protection zones. Design pathways using porous materials (eco-paving, porous asphalt, decomposed granite) to allow water and oxygen to reach the root zone. Design pathways using tree sensitive techniques (pier and beam, suspended slabs). The area lost to encroachment should be compensated for elsewhere, contiguous with the TPZ. 	<ul style="list-style-type: none"> The area lost to this encroachment should be compensated for elsewhere, contiguous with the TPZ. The project arborist would be consulted for any works within the TPZ. Tree protection must be installed. Tree sensitive techniques can be used to install services within the TPZ. Horizontal directional drilling (HDD), boring, non-destructive excavation (NDE). Location and distribution of roots may be determined through non-destructive excavation (NDE) methods such as hydro-vacuum excavation (sucker truck), air spade and manual excavation.
High impact ($>20\%$)		<ul style="list-style-type: none"> Relocate services/pathways outside of tree protection zones Design services to be installed at a minimum depth of 1200mm below ground to avoid impact to the root zones of trees. Design pathways to be installed on or above grade, minimising/eliminating excavation within tree protection zones. Design pathways using porous materials (eco-paving, porous asphalt, decomposed granite) to allow water and oxygen to reach the root zone. The area lost to encroachment can be compensated for elsewhere, contiguous with the TPZ. 	<ul style="list-style-type: none"> As above Removal of existing hard surfaces should be undertaken manually to avoid root damage. Tree sensitive techniques can be used to install the services: Horizontal directional drilling (HDD), boring, non-destructive excavation (NDE).

3 Results

Table 2 shows the results of the arboriculture assessment. The assessment considers the impacts of the demolition of the site, as well as construction works associated with the re-development of the site. Key points are:

- **High impact (>20%): 311** trees will be subject to a high impact >20% of the TPZ. Under the current proposal these trees cannot be successfully retained. Of these:
 - **45** trees are of high retention value
 - **13** trees are of medium retention value
 - **253** trees are of low or unknown retention value
- **Medium impact (<20%): 2** trees will be subject to a high impact <20% of the TPZ. Further detailed assessments (root investigation) via non-destructive methods will be required in order to determine the suitability of retention. Of these:
 - **1** tree has high retention value
 - **1** tree has medium retention value
- **Minor impact (<10%): 5** trees will be subject to a minor impact within the TPZ. The anticipated minor impact of the proposed development will have negligible impacts to the trees health, vigour or stability. Under the current proposal, these trees can be successfully retained. Of these:
 - **All 5** trees are of high retention value
- **No Impact: 224** trees will not be impacted by the proposed works. Under the current proposal, these trees can be successfully retained. Of these:
 - **44** trees are of high retention value
 - **13** trees are of medium retention value
 - **167** trees are of low or unknown retention value
- **Removed Demolition: 547** trees were subject to high impact as part of the demolition assessment and have been considered to be already removed.
- **Polygon A and Polygon B:** All trees located within this area will be subject to a high impact >20% of the TPZ. As a result of the demolition as well as the current proposal, these trees cannot be successfully retained. These trees are shown in the table below but were assessed using a visual assessment and do not contain attribute data.

Table 2: Results of the arboricultural assessment

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
100	<i>Eucalyptus pilularis</i>	1	10	10	Good	High	1000	12000	3300	No impact: 0%
101	<i>Eucalyptus pilularis</i>	1	10	10	Fair	High	1000	12000	3300	No impact: 0%
102	<i>Eucalyptus saligna</i>	1	8	8	Fair	High	800	9600	3000	No impact: 0%
103	<i>Eucalyptus saligna</i>	1	6	6	Fair	Medium	750	9000	2900	No impact: 0%
104	<i>Eucalyptus pilularis</i>	1	7	7	Fair	Medium	300	3600	2000	No impact: 0%
105	<i>Eucalyptus pilularis</i>	1	8	8	Good	High	1000	12000	3300	High Impact: >20%
106	<i>Eucalyptus pilularis</i>	1	6	6	Good	High	1000	12000	3300	No impact: 0%
107	<i>Eucalyptus pilularis</i>	1	10	10	Good	High	700	8400	2900	High Impact: >20%
108	<i>Syncarpia glomulifera</i>	1	7	7	Fair	Medium	550	6600	2600	No impact: 0%
109	<i>Angophora costata</i>	1	5	5	Fair	Medium	250	3000	1900	High Impact: >20%
110	<i>Syncarpia glomulifera</i>	1	3	3	Good	High	200	2400	1700	High Impact: >20%
111	<i>Syncarpia glomulifera</i>	1	4	4	Good	High	250	3000	1900	High Impact: >20%
112	<i>Eucalyptus eugenioides</i>	1	6	6	Good	High	200	2400	1700	Removed Demolition
113	<i>Eucalyptus pilularis</i>	1	13	13	Good	High	1450	15000	3900	High Impact: >20%
114	<i>Eucalyptus pilularis</i>	1	12	12	Fair	High	1000	12000	3300	High Impact: >20%
115	<i>Angophora costata</i>	1	5	5	Poor	Low	200	2400	1700	High Impact: >20%
116	<i>Angophora costata</i>	1	5	5	Fair	Medium	250	3000	1900	High Impact: >20%
117	<i>Acacia elata</i>	1	6	6	Fair	Medium	250	3000	1900	High Impact: >20%
118	<i>Angophora costata</i>	1	10	10	Good	High	450	5400	2400	Removed Demolition
119	<i>Acacia elata</i>	1	5	5	Fair	High	300	3600	2000	Removed Demolition
120	<i>Eucalyptus pilularis</i>	1	16	16	Good	High	2000	15000	4400	High Impact: >20%
121	<i>Syncarpia glomulifera</i>	1	4	4	Fair	Medium	350	4200	2100	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
122	<i>Syncarpia glomulifera</i>	1	6	6	Fair	Medium	350	4200	2100	High Impact: >20%
123	<i>Angophora costata</i>	1	7	7	Poor	Medium	200	2400	1700	High Impact: >20%
124	<i>Angophora costata</i>	1	5	5	Fair	High	250	3000	1900	No impact: 0%
125	<i>Angophora costata</i>	1	5	5	Fair	Medium	200	2400	1700	No impact: 0%
126	<i>Angophora costata</i>	1	8	8	Good	High	400	4800	2300	High Impact: >20%
127	<i>Angophora costata</i>	1	11	11	Good	High	800	9600	3000	High Impact: >20%
128	<i>Eucalyptus eugenioides</i>	1	6	6	Poor	Low	250	3000	1900	High Impact: >20%
129	<i>Syncarpia glomulifera</i>	1	3	3	Good	High	200	2400	7700	Removed Demolition
130	<i>Syncarpia glomulifera</i>	1	3	3	Good	High	200	2400	1700	Removed Demolition
131	<i>Angophora costata</i>	1	10	10	Good	High	550	6600	2600	Medium impact: <20%
132	<i>Syncarpia glomulifera</i>	1	6	6	Good	High	350	4200	2100	No impact: 0%
133	<i>Unknown species</i>	1	3	3	Poor	Low	250	3000	1900	No impact: 0%
134	<i>Syncarpia glomulifera</i>	1	6	6	Good	High	450	5400	2400	No impact: 0%
135	<i>Syncarpia glomulifera</i>	1	6	6	Good	High	350	4200	2100	No impact: 0%
136	<i>Eucalyptus saligna</i>	1	3	3	Good	Medium	250	3000	1900	No impact: 0%
137	<i>Angophora costata</i>	1	10	10	Good	High	450	5400	2400	Removed Demolition
138	<i>Eucalyptus grandis</i>	1	10	13	Good	High	450	5400	2400	High Impact: >20%
139	<i>Angophora costata</i>	1	6	6	Good	High	350	4200	2100	Removed Demolition
140	<i>Eucalyptus saligna</i>	1	8	8	Good	High	750	9000	2900	No impact: 0%
141	<i>Syncarpia glomulifera</i>	1	6	6	Poor	Low	400	4800	2300	No impact: 0%
142	<i>Syncarpia glomulifera</i>	1	5	5	Poor	Low	450	5400	2400	No impact: 0%
143	<i>Angophora costata</i>	1	6	6	Good	High	350	4200	2100	No impact: 0%
144	<i>Eucalyptus sp.</i>	1	4	4	Good	High	300	3600	2000	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
145	<i>Unknown species</i>	1	3	3	Poor	Low	250	3000	1900	No impact: 0%
146	<i>Syncarpia glomulifera</i>	1	5	5	Fair	High	250	3000	1900	No impact: 0%
147	<i>Angophora costata</i>	1	5	5	Fair	High	200	2400	1700	No impact: 0%
148	<i>Eucalyptus saligna</i>	1	6	6	Good	High	300	3600	2000	Low impact: <10%
149	<i>Syncarpia glomulifera</i>	1	4	4	Poor	Low	200	2400	1700	No impact: 0%
150	<i>Eucalyptus saligna</i>	1	6	6	Good	High	350	4200	2100	Removed Demolition
151	<i>Syncarpia glomulifera</i>	1	4	4	Poor	Low	400	4800	2300	No impact: 0%
152	<i>Syncarpia glomulifera</i>	1	7	7	Fair	High	550	6600	2600	No impact: 0%
153	<i>Syncarpia glomulifera</i>	1	7	7	Good	High	550	6600	2600	No impact: 0%
154	<i>Syncarpia glomulifera</i>	1	7	7	Fair	Medium	350	4200	2100	No impact: 0%
155	<i>Syncarpia glomulifera</i>	1	3	3	Poor	Low	300	3600	2000	No impact: 0%
156	<i>Syncarpia glomulifera</i>	1	8	8	Good	High	450	5400	2400	Low impact: <10%
157	<i>Eucalyptus saligna</i>	1	6	6	Good	High	250	3000	1900	Removed Demolition
158	<i>Eucalyptus saligna</i>	1	3	3	Good	High	200	2400	1700	Removed Demolition
159	<i>Syncarpia glomulifera</i>	1	4	4	Fair	Medium	300	3600	2000	No impact: 0%
160	<i>Angophora costata</i>	1	9	9	Good	High	500	6000	2500	No impact: 0%
161	<i>Syncarpia glomulifera</i>	1	6	6	Good	High	350	4200	2100	High Impact: >20%
162	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	400	4800	2300	High Impact: >20%
163	<i>Syncarpia glomulifera</i>	1	5	5	Fair	High	250	3000	1900	High Impact: >20%
164	<i>Syncarpia glomulifera</i>	1	7	7	Good	High	400	4800	2300	Removed Demolition
165	<i>Syncarpia glomulifera</i>	1	4	4	Fair	Medium	300	3600	2000	Removed Demolition
166	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	300	3600	2000	Removed Demolition
167	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	350	4200	2100	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
168	<i>Syncarpia glomulifera</i>	1	6	6	Good	High	400	4800	2300	Low impact: <10%
169	<i>Syncarpia glomulifera</i>	1	5	5	Fair	High	300	3600	20000	High Impact: >20%
170	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	400	4800	2300	No impact: 0%
171	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	450	5400	2400	No impact: 0%
172	<i>Syncarpia glomulifera</i>	1	4	4	Good	High	350	4200	2100	No impact: 0%
173	<i>Angophora costata</i>	1	9	9	Good	High	450	5400	2400	No impact: 0%
174	<i>Syncarpia glomulifera</i>	1	6	6	Fair	High	250	3000	1900	High Impact: >20%
175	<i>Eucalyptus saligna</i>	1	10	10	Good	High	550	6600	2600	High Impact: >20%
176	<i>Angophora costata</i>	1	4	4	Fair	High	200	2400	1700	High Impact: >20%
177	<i>Syncarpia glomulifera</i>	1	8	8	Good	High	400	4800	2300	High Impact: >20%
178	<i>Syncarpia glomulifera</i>	1	6	6	Good	High	350	4200	2100	High Impact: >20%
179	<i>Angophora costata</i>	1	7	7	Good	High	450	5400	2400	No impact: 0%
180	<i>Syncarpia glomulifera</i>	1	8	8	Good	High	900	10800	3200	No impact: 0%
181	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	350	4200	2100	No impact: 0%
182	<i>Syncarpia glomulifera</i>	1	5	5	Fair	High	400	4800	2300	No impact: 0%
183	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	450	5400	2400	No impact: 0%
184	<i>Syncarpia glomulifera</i>	1	7	7	Good	High	450	5400	2400	No impact: 0%
185	<i>Syncarpia glomulifera</i>	1	6	6	Fair	High	450	5400	2400	Removed Demolition
186	<i>Syncarpia glomulifera</i>	1	5	5	Good	High	400	4800	2300	Removed Demolition
187	<i>Syncarpia glomulifera</i>	1	3	3	Fair	High	200	2400	1700	No impact: 0%
188	<i>Syncarpia glomulifera</i>	1	3	3	Good	High	250	3000	1900	No impact: 0%
189	<i>Syncarpia glomulifera</i>	1	3	3	Good	High	250	3000	1900	No impact: 0%
190	<i>Syncarpia glomulifera</i>	1	7	7	Poor	Low	400	4800	2300	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
191	Angophora floribunda	1	7	7	Good	High	400	4800	2300	No impact: 0%
192	Angophora floribunda	1	7	7	Good	High	400	4800	2300	No impact: 0%
193	Acacia longifolia	1	6	6	Poor	Low	350	4200	2100	No impact: 0%
194	Angophora floribunda	1	3	3	Good	High	250	3000	1900	No impact: 0%
1.95E+08	Angophora floribunda	1	0	5				450	5400	No impact: 0%
198	Eucalyptus grandis	1	4	4	Good	High	250	3000	1900	No impact: 0%
199	Angophora costata	1	17	17	Good	High	850	10300	3100	No impact: 0%
200	Syncarpia glomulifera	1	5	5	Good	High	350	4200	2100	No impact: 0%
201	Syncarpia glomulifera	1	6	6	Good	High	350	4200	2100	No impact: 0%
202	Eucalyptus saligna	1	5	5	Good	High	250	3000	1900	No impact: 0%
203	Eucalyptus saligna	1	6	6	Good	High	400	4800	2300	No impact: 0%
204	Syncarpia glomulifera	1	7	7	Good	High	400	4800	2300	Removed Demolition
205	Eucalyptus grandis	1	9	9	Good	High	400	4800	2300	Removed Demolition
206	Allocasuarina littoralis	1	6	6	Good	Low	300	3600	2000	High Impact: >20%
207	Eucalyptus grandis	1	7	7	Good	High	350	4200	2100	No impact: 0%
208	Syncarpia glomulifera	1	9	9	Good	High	400	4800	2300	No impact: 0%
209	Allocasuarina littoralis	1	3	3	Fair	Medium	200	2400	1700	Removed Demolition
210	Allocasuarina littoralis	1	3	3	Good	High	250	3000	1900	Removed Demolition
211	Syncarpia glomulifera	1	5	5	Good	High	250	3000	1900	High Impact: >20%
212	Angophora costata	1	7	7	Good	High	500	6000	2500	High Impact: >20%
213	Angophora costata	1	7	7	Fair	High	250	3000	1900	High Impact: >20%
214	Syncarpia glomulifera	1	3	3	Good	High	200	2400	1700	High Impact: >20%
215	Syncarpia glomulifera	1	3	3	Good	High	200	2400	1700	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
216	<i>Allocasuarina littoralis</i>	1	6	6	Fair	Medium	300	3600	2000	No impact: 0%
217	<i>Allocasuarina littoralis</i>	1	4	4	Fair	Medium	200	2400	1700	No impact: 0%
218	<i>Eucalyptus microcorys</i>	1	4	4	Good	High	200	2400	1700	No impact: 0%
219	<i>Allocasuarina littoralis</i>	1	5	5	Fair	Medium	250	3000	1900	No impact: 0%
220	<i>Allocasuarina littoralis</i>	1	6	6	Fair	Medium	200	2400	1700	No impact: 0%
221	<i>Eucalyptus saligna</i>	1	4	4	Good	High	250	3000	1900	Removed Demolition
222	<i>Allocasuarina littoralis</i>	1	5	5	Fair	Medium	250	3000	1900	Removed Demolition
223	<i>Eucalyptus microcorys</i>	1	10	10	Good	High	550	6600	2600	High Impact: >20%
224	<i>Pittosporum undulatum</i>	1	4	4	Fair	Medium	150	2000	1500	No impact: 0%
225	<i>Ligustrum sinense</i>	1	3	3	Fair	Low	200	2400	1700	High Impact: >20%
226	<i>Cinnamomum camphora</i>	1	6	6	Fair	Low	350	4200	2100	High Impact: >20%
227	<i>Syncarpia glomulifera</i>	1	8	8	Good	High	800	9600	3000	High Impact: >20%
228	<i>Angophora floribunda</i>	1	10	10	Good	High	550	6600	2600	Low impact: <10%
229	<i>Acacia baileyana</i>	1	8	8	Fair	Medium	250	3000	1900	High Impact: >20%
230	<i>Eucalyptus microcorys</i>	1	10	10	Fair	High	400	4800	2300	High Impact: >20%
231	<i>Angophora costata</i>	1	9	9	Fair	High	350	4200	2100	Removed Demolition
232	<i>Angophora costata</i>	1	12	12	Good	High	800	9600	3000	High Impact: >20%
233	<i>Angophora costata</i>	1	3	3	Fair	High	200	2400	1700	High Impact: >20%
234	<i>Angophora costata</i>	1	11	11	Good	High	800	9600	3000	High Impact: >20%
235	<i>Ligustrum sinense</i>	1	4	4	Poor	Low	300	3600	2000	Medium impact: <20%
236	<i>Eucalyptus eugenioides</i>	1	7	7	Fair	Medium	200	2400	1700	High Impact: >20%
237	<i>Eucalyptus eugenioides</i>	1	5	5	Fair	High	200	2400	1700	High Impact: >20%
238	<i>Melaleuca styphelioides</i>	1	5	5	Fair	Medium	300	3600	2000	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
239	<i>Eucalyptus microcorys</i>	1	9	9	Good	High	400	4800	2300	Low impact: <10%
240	<i>Eucalyptus microcorys</i>	1	8	8	Good	High	500	60000	2500	High Impact: >20%
241	<i>Eucalyptus pilularis</i>	1	5	5	Good	High	200	2400	1700	High Impact: >20%
242	<i>Eucalyptus microcorys</i>	1	7	7	Good	High	350	4200	2100	High Impact: >20%
243	<i>Eucalyptus microcorys</i>	1	3	3	Fair	Medium	200	2400	1700	High Impact: >20%
244	<i>Eucalyptus microcorys</i>	1	4	4	Good	High	200	2400	1700	High Impact: >20%
245	<i>Allocasuarina littoralis</i>	1	6	6	Poor	Low	250	3000	1900	High Impact: >20%
246	<i>Eucalyptus microcorys</i>	1	8	8	Good	High	600	7200	2700	High Impact: >20%
247	<i>Eucalyptus microcorys</i>	1	5	5	Fair	High	300	3600	2000	High Impact: >20%
248	<i>Eucalyptus microcorys</i>	1	6	6	Good	High	350	4200	2100	High Impact: >20%
249	<i>Eucalyptus microcorys</i>	1	6	6	Fair	High	350	4200	2100	High Impact: >20%
250	<i>Eucalyptus microcorys</i>	1	7	7	Fair	Medium	350	4200	2100	High Impact: >20%
251	<i>Eucalyptus microcorys</i>	1	7	7	Good	High	400	4800	2300	High Impact: >20%
252	<i>Eucalyptus microcorys</i>	1	5	5	Poor	Low	250	3000	1900	High Impact: >20%
253	<i>Eucalyptus microcorys</i>	1	8	8	Good	High	400	4800	2300	High Impact: >20%
254	<i>Eucalyptus microcorys</i>	1	9	9	Good	High	350	4200	2100	High Impact: >20%
255	<i>Eucalyptus microcorys</i>	1	5	5	Good	High	300	3600	2000	High Impact: >20%
256	<i>Eucalyptus microcorys</i>	1	6	6	Good	High	300	3600	2000	High Impact: >20%
257	<i>Pittosporum undulatum</i>	1	6	6	Fair	Medium	250	3000	1900	High Impact: >20%
258	<i>Eucalyptus microcorys</i>	1	3	3	Fair	Medium	200	2400	1700	High Impact: >20%
259	<i>Allocasuarina littoralis</i>	1	3	3	Poor	Low	200	2400	1700	Removed Demolition
260	<i>Allocasuarina littoralis</i>	1	3	3	Good	High	200	2400	1700	Removed Demolition
261	<i>Eucalyptus microcorys</i>	1	7	7	Good	High	350	4200	2100	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
262	<i>Eucalyptus microcorys</i>	1	10	10	Fair	Medium	450	5400	2400	Removed Demolition
263	<i>Pittosporum undulatum</i>	1	7	7	Fair	High	250	3000	1900	No impact: 0%
264	<i>Pittosporum undulatum</i>	1	5	5	Good	High	200	2400	1700	No impact: 0%
265	<i>Allocasuarina littoralis</i>	1	8	8	Fair	Medium	350	4200	2100	No impact: 0%
266	<i>Allocasuarina littoralis</i>	1	9	9	Good	High	400	4800	2300	No impact: 0%
267	<i>Pittosporum undulatum</i>	2	7	3	Fair	Fair	150	2000	1500	High Impact: >20%
268	<i>Ligustrum sp.</i>	1	7	4	Fair	Poor	250	3000	1900	High Impact: >20%
269	<i>Eucalyptus grandis</i>	1	14	6	Fair	Fair	250	3000	1900	High Impact: >20%
270	<i>Eucalyptus pilularis</i>	1	17	8	Good	Fair	350	4200	2100	High Impact: >20%
271	<i>Casuarina glauca</i>	3	17	4	Good	Fair	250	3000	1900	High Impact: >20%
272	<i>Eucalyptus pilularis</i>	1	15	6	Fair	Good	250	3000	1900	High Impact: >20%
273	<i>Eucalyptus pilularis</i>	1	20	11	Good	Good	400	4800	2300	Removed Demolition
274	<i>Ligustrum sp.</i>	1	6	5	Good	Fair	200	2400	1700	Removed Demolition
275	<i>Pittosporum undulatum</i>	1	10	4	Fair	Fair	200	2400	1700	Removed Demolition
276	<i>Cinnamomum camphora</i>	1	11	6	Poor	Fair	200	2400	1700	Removed Demolition
277	<i>Pittosporum undulatum</i>	1	12	6	Good	Fair	200	2400	1700	Removed Demolition
278	<i>Pittosporum undulatum</i>	1	12	5	Good	Fair	200	2400	1700	Removed Demolition
279	<i>Acacia sp.</i>	1	4	3	Fair	Fair	100	2000	1500	Removed Demolition
280	<i>Ligustrum sp.</i>	1	12	6	Fair	Poor	250	3000	1900	High Impact: >20%
281	<i>Eucalyptus saligna</i>	1	14	5	Fair	Fair	300	3600	2000	High Impact: >20%
282	<i>Eucalyptus saligna</i>	1	18	6	Good	Good	300	3600	1700	High Impact: >20%
283	<i>Olea africana</i>	1	6	4	Fair	Poor	150	2000	1500	High Impact: >20%
284	<i>Eucalyptus saligna</i>	1	14	5	Fair	Fair	150	2000	1500	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
285	<i>Eucalyptus pilularis</i>	1	10	4	Good	Fair	150	2000	1500	High Impact: >20%
286	<i>Eucalyptus saligna</i>	1	21	15	Good	Good	550	6600	2600	High Impact: >20%
287	<i>Casuarina glauca</i>	1	12	3	Good	Good	150	2000	1500	High Impact: >20%
288	<i>Casuarina glauca</i>	1	13	3	Good	Good	150	2000	1500	High Impact: >20%
289	<i>Casuarina glauca</i>	1	15	4	Good	Good	250	3000	1900	High Impact: >20%
290	<i>Casuarina glauca</i>	1	13	5	Good	Good	200	2400	1700	High Impact: >20%
291	<i>Eucalyptus microcorys</i>	1	18	7	Good	Good	300	3600	2000	Removed Demolition
292	<i>Eucalyptus pilularis</i>	1	12	8	Good	Fair	350	4200	2100	Removed Demolition
293	<i>Syncarpia glomulifera</i>	3	6	3	Fair	Poor	100	2000	1500	Removed Demolition
294	<i>Casuarina glauca</i>	1	15	3	Good	Good	200	2400	1700	High Impact: >20%
295	<i>Casuarina glauca</i>	2	6	2	Fair	Poor	100	2000	1500	High Impact: >20%
296	<i>Casuarina glauca</i>	1	15	6	Good	Good	250	3000	1900	High Impact: >20%
297	<i>Casuarina glauca</i>	1	15	4	Good	Fair	250	3000	1900	High Impact: >20%
298	<i>Syncarpia glomulifera</i>	2	8	3	Good	Fair	150	2000	1500	High Impact: >20%
299	<i>Syncarpia glomulifera</i>	1	13	5	Good	Fair	300	3600	2000	High Impact: >20%
300	<i>Eucalyptus saligna</i>	1	15	7	Good	Fair	300	3600	2000	High Impact: >20%
301	<i>Eucalyptus pilularis</i>	1	13	5	Good	Fair	250	3000	1900	High Impact: >20%
302	<i>Eucalyptus pilularis</i>	1	15	7	Good	Poor	350	4200	2100	High Impact: >20%
303	<i>Eucalyptus pilularis</i>	1	15	12	Good	Good	350	4200	2100	High Impact: >20%
304	<i>Casuarina glauca</i>	1	15	6	Good	Fair	400	4800	2300	High Impact: >20%
305	<i>Fraxinus excelsior</i>	1	7	6	Fair	Fair	250	3000	1900	High Impact: >20%
306	<i>Fraxinus excelsior</i>	1	8	6	Fair	Fair	250	3000	1900	High Impact: >20%
307	<i>Fraxinus excelsior</i>	1	7	6	Fair	Fair	250	3000	1900	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
308	<i>Callistemon viminalis</i>	1	8	6	Good	Fair	250	3000	1900	High Impact: >20%
309	<i>Callistemon viminalis</i>	1	9	7	Good	Fair	250	3000	1900	Removed Demolition
310	<i>Fraxinus excelsior</i>	1	6	5	Fair	Fair	250	3000	1900	High Impact: >20%
311	<i>Unknown species</i>	1	4	4	Poor	Poor	150	2000	1500	High Impact: >20%
312	<i>Fraxinus excelsior</i>	1	9	5	Fair	Fair	250	3000	1900	High Impact: >20%
313	<i>Fraxinus excelsior</i>	1	9	6	Fair	Fair	200	2400	1700	High Impact: >20%
314	<i>Fraxinus excelsior</i>	1	8	6	Fair	Fair	200	2400	1700	High Impact: >20%
315	<i>Casuarina glauca</i>	1	6	1	Poor	Poor	100	2000	1500	Removed Demolition
316	<i>Melaleuca sp.</i>	6	12	4	Fair	Fair	100	2000	1500	Removed Demolition
317	<i>Syncarpia glomulifera</i>	1	16	7	Good	Good	400	4800	2300	Removed Demolition
318	<i>Leptospermum sp.</i>	1	9	7	Fair	Fair	150	2000	1500	Removed Demolition
319	<i>Juniperus sp.</i>	1	14	5	Fair	Poor	350	4200	2100	Removed Demolition
320	<i>Unknown species</i>	1	10	3	Poor	Poor	150	2000	1500	Removed Demolition
321	<i>Syncarpia glomulifera</i>	1	14	7	Good	Good	350	4200	2100	Removed Demolition
322	<i>Syncarpia glomulifera</i>	1	14	5	Good	Fair	350	4200	2100	Removed Demolition
323	<i>Unknown species</i>	1	4	4	Fair	Fair	150	2000	1500	Removed Demolition
324	<i>Syncarpia glomulifera</i>	1	14	5	Good	Fair	350	4200	2100	Removed Demolition
325	<i>Pittosporum undulatum</i>	1	4	3	Fair	Poor	150	2000	1500	Removed Demolition
326	<i>Syncarpia glomulifera</i>	1	14	4	Good	Fair	350	4200	2100	Removed Demolition
327	<i>Pittosporum undulatum</i>	1	11	5	Good	Fair	250	3000	1900	Removed Demolition
328	<i>Unknown species</i>	1	14	6	Fair	Fair	300	3600	2000	Removed Demolition
329	<i>Syzygium australe</i>	3	7	4	Good	Fair	150	2000	1500	Removed Demolition
330	<i>Fraxinus excelsior</i>	1	8	6	Fair	Fair	250	3000	1900	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
331	<i>Fraxinus excelsior</i>	1	8	6	Fair	Fair	250	3000	1900	High Impact: >20%
332	<i>Fraxinus excelsior</i>	1	8	6	Fair	Fair	250	3000	1900	High Impact: >20%
333	<i>Fraxinus griffithii</i>	1	7	4	Fair	Fair	200	2400	1700	High Impact: >20%
334	<i>Fraxinus excelsior</i>	1	7	5	Fair	Fair	200	2400	1700	High Impact: >20%
335	<i>Fraxinus excelsior</i>	1	8	5	Fair	Fair	200	2400	1700	High Impact: >20%
336	<i>Ligustrum sinense</i>	1	7	3	Fair	Poor	100	2000	1500	Removed Demolition
337	<i>Ligustrum lucidum</i>	2	8	3	Fair	Fair	150	2000	1500	Removed Demolition
338	<i>Callistemon sp.</i>	7	10	3	Fair	Fair	100	2000	1500	Removed Demolition
339	<i>Callistemon sp.</i>	7	10	3	Fair	Fair	150	2000	1500	Removed Demolition
340	<i>Ligustrum lucidum</i>	1	8	3	Fair	Poor	100	2000	1500	Removed Demolition
341	<i>Syncarpia glomulifera</i>	1	15	6	Good	Fair	400	4800	2300	Removed Demolition
342	<i>Syncarpia glomulifera</i>	1	15	7	Good	Fair	400	4800	2300	Removed Demolition
343	<i>Callistemon sp.</i>	1	15	5	Good	Fair	250	3000	1900	Removed Demolition
344	<i>Callistemon sp.</i>	2	14	3	Fair	Fair	150	2000	1500	Removed Demolition
345	<i>Syncarpia glomulifera</i>	1	15	5	Good	Fair	300	3600	2000	Removed Demolition
346	<i>Fraxinus excelsior</i>	1	7	4	Fair	Fair	250	3000	1900	High Impact: >20%
347	<i>Fraxinus excelsior</i>	1	7	5	Fair	Fair	150	2000	1500	Removed Demolition
348	<i>Syzygium australe</i>	2	17	4	Fair	Fair	150	2000	1500	Removed Demolition
349	<i>Syncarpia glomulifera</i>	1	17	5	Good	Fair	400	4800	2300	Removed Demolition
350	<i>Syzygium australe</i>	1	16	5	Fair	Fair	250	3000	1900	Removed Demolition
351	<i>Fraxinus excelsior</i>	1	7	5	Fair	Fair	200	2400	1700	High Impact: >20%
352	<i>Callistemon sp.</i>	4	11	3	Good	Fair	200	2400	1700	Removed Demolition
353	<i>Syncarpia glomulifera</i>	1	10	4	Good	Fair	200	2400	1700	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
354	<i>Ligustrum sp.</i>	8	8	2	Good	Poor	100	2000	1500	Removed Demolition
355	<i>Syncarpia glomulifera</i>	1	12	3	Fair	Fair	150	2000	1500	Removed Demolition
356	<i>Eucalyptus microcorys</i>	1	15	5	Fair	Good	350	4200	2100	High Impact: >20%
357	<i>Eucalyptus microcorys</i>	1	10	3	Good	Fair	150	2000	1500	High Impact: >20%
358	<i>Eucalyptus microcorys</i>	1	14	5	Good	Fair	150	2000	1500	High Impact: >20%
359	<i>Syncarpia glomulifera</i>	1	9	3	Fair	Good	150	2000	1500	High Impact: >20%
360	<i>Morus sp.</i>	1	8	6	Fair	Poor	200	2400	1700	Removed Demolition
361	<i>Morus sp.</i>	1	7	6	Fair	Fair	200	2400	1700	Removed Demolition
362	<i>Fraxinus excelsior</i>	1	11	7	Fair	Fair	250	3000	1900	High Impact: >20%
363	<i>Fraxinus excelsior</i>	1	11	5	Fair	Good	200	2400	1700	High Impact: >20%
364	<i>Fraxinus excelsior</i>	1	10	6	Fair	Fair	200	2400	1700	High Impact: >20%
365	<i>Syncarpia glomulifera</i>	1	20	9	Good	Fair	400	4800	2300	Removed Demolition
366	<i>Fraxinus excelsior</i>	1	7	4	Fair	Fair	200	2400	1700	High Impact: >20%
367	<i>Fraxinus excelsior</i>	1	10	4	Fair	Fair	200	2400	1700	Removed Demolition
368	<i>Eucalyptus punctata</i>	1	22	12	Good	Good	500	6000	2500	Removed Demolition
369	<i>Fraxinus excelsior</i>	1	8	5	Fair	Fair	200	2400	1700	High Impact: >20%
370	<i>Fraxinus excelsior</i>	1	8	4	Fair	Fair	150	2000	1500	High Impact: >20%
371	<i>Syncarpia glomulifera</i>	1	15	7	Good	Fair	350	4200	2100	Removed Demolition
372	<i>Syncarpia glomulifera</i>	1	18	7	Good	Fair	400	4800	2300	Removed Demolition
373	<i>Ligustrum lucidum</i>	1	13	5	Good	Fair	250	3000	1900	Removed Demolition
374	<i>Callistemon sp.</i>	5	14	3	Good	Fair	100	2000	1500	Removed Demolition
375	<i>Fraxinus excelsior</i>	1	7	3	Fair	Fair	150	2000	1500	High Impact: >20%
376	<i>Fraxinus excelsior</i>	1	8	4	Fair	Fair	100	2000	1500	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
377	<i>Syncarpia glomulifera</i>	1	20	9	Good	Fair	400	4800	2300	Removed Demolition
378	<i>Syncarpia glomulifera</i>	1	12	4	Fair	Fair	200	2400	1700	Removed Demolition
379	<i>Jacaranda mimosifolia</i>	1	10	5	Fair	Fair	200	2400	1700	Removed Demolition
380	<i>Syzygium australe</i>	3	7	2	Good	Fair	100	2000	1500	Removed Demolition
381	<i>Ligustrum lucidum</i>	3	8	3	Fair	Fair	100	2000	1500	Removed Demolition
382	<i>Fraxinus excelsior</i>	1	7	4	Fair	Fair	200	2400	1700	High Impact: >20%
383	<i>Fraxinus excelsior</i>	1	7	3	Fair	Fair	200	2400	1700	High Impact: >20%
384	<i>Fraxinus excelsior</i>	1	9	4	Fair	Good	200	2400	1700	High Impact: >20%
385	<i>Callistemon sp.</i>	4	15	6	Good	Good	200	2400	1700	Removed Demolition
386	<i>Ligustrum lucidum</i>	4	14	4	Good	Fair	150	2000	1500	Removed Demolition
387	<i>Syzygium australe</i>	3	12	3	Good	Fair	150	2000	1500	Removed Demolition
388	<i>Cotoneaster sp.</i>	1	5	4	Good	Poor	150	2000	1500	Removed Demolition
389	<i>Melaleuca sp.</i>	1	6	5	Good	Fair	250	3000	1900	Removed Demolition
390	<i>Callistemon sp.</i>	7	11	4	Good	Fair	200	2400	1700	Removed Demolition
391	<i>Melaleuca sp.</i>	2	7	4	Good	Fair	150	2000	1500	Removed Demolition
392	<i>Fraxinus excelsior</i>	1	6	3	Fair	Fair	100	2000	1500	High Impact: >20%
393	<i>Fraxinus excelsior</i>	1	7	3	Good	Good	150	2000	1500	High Impact: >20%
394	<i>Fraxinus excelsior</i>	1	7	4	Good	Fair	150	2000	1500	High Impact: >20%
395	<i>Callistemon sp.</i>	1	11	4	Good	Fair	200	2400	1700	Removed Demolition
396	<i>Syncarpia glomulifera</i>	1	18	8	Good	Fair	400	4800	2300	Removed Demolition
397	<i>Syncarpia glomulifera</i>	1	18	5	Good	Fair	350	4200	2100	Removed Demolition
398	<i>Callistemon sp.</i>	2	15	2	Fair	Fair	100	2000	1500	Removed Demolition
399	<i>Syzygium australe</i>	1	7	2	Good	Fair	100	2000	1500	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
400	<i>Callistemon sp.</i>	1	10	4	Fair	Fair	150	2000	1500	Removed Demolition
401	<i>Unknown species</i>	1	5	3	Fair	Poor	100	2000	1500	Removed Demolition
402	<i>Fraxinus excelsior</i>	1	6	3	Fair	Fair	150	2000	1500	High Impact: >20%
403	<i>Fraxinus excelsior</i>	1	7	5	Fair	Fair	150	2000	1500	High Impact: >20%
404	<i>Plumeria species</i>	1	3	3	Fair	Fair	100	2000	1500	Removed Demolition
405	<i>Eriobotrya japonica</i>	1	6	5	Fair	Fair	200	2400	1700	Removed Demolition
406	<i>Citrus species</i>	1	4	3	Fair	Fair	100	2000	1500	Removed Demolition
407	<i>Syzygium australe</i>	2	8	3	Fair	Fair	150	2000	1500	Removed Demolition
408	<i>Bauhinia variegata</i>	5	9	5	Poor	Fair	200	2400	1700	Removed Demolition
409	<i>Phoenix canariensis</i>	1	8	3	Fair	Poor	400	4800	2300	Removed Demolition
410	<i>Pistacia chinensis</i>	1	7	4	Fair	Fair	200	2400	1700	High Impact: >20%
411	<i>Fraxinus excelsior</i>	1	7	4	Fair	Fair	150	2000	1500	High Impact: >20%
412	<i>Acacia elata</i>	3	5	2	Fair	Fair	100	2000	1500	High Impact: >20%
413	<i>Syncarpia glomulifera</i>	1	13	5	Good	Fair	300	3600	2000	High Impact: >20%
414	<i>Syncarpia glomulifera</i>	1	13	5	Good	Fair	400	4800	2300	High Impact: >20%
415	<i>Syncarpia glomulifera</i>	1	13	3	Fair	Fair	350	4200	2100	High Impact: >20%
416	<i>Eucalyptus pilularis</i>	1	20	7	Good	Fair	350	4200	2100	Removed Demolition
417	<i>Ligustrum lucidum</i>	1	9	4	Fair	Poor	100	2000	1500	Removed Demolition
418	<i>Eucalyptus pilularis</i>	1	21	8	Good	Fair	350	4200	2100	Removed Demolition
419	<i>Eucalyptus pilularis</i>	1	23	8	Good	Good	500	6000	2500	Removed Demolition
420	<i>Phoenix canariensis</i>	1	6	6	Good	Good	600	7200	2700	Removed Demolition
421	<i>Eucalyptus pilularis</i>	1	22	16	Fair	Fair	500	6000	2500	Removed Demolition
422	<i>Eucalyptus pilularis</i>	1	16	5	Fair	Fair	250	3000	1900	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
423	<i>Pistacia chinensis</i>	1	10	7	Good	Fair	300	3600	2000	Removed Demolition
424	<i>Eucalyptus saligna</i>	1	26	8	Good	Good	550	6600	2600	Removed Demolition
425	<i>Acacia sp.</i>	1	10	7	Poor	Poor	300	3600	2000	High Impact: >20%
426	<i>Fraxinus excelsior</i>	1	7	5	Good	Fair	250	3000	1900	High Impact: >20%
427	<i>Fraxinus excelsior</i>	1	7	5	Fair	Fair	200	2400	1700	High Impact: >20%
428	<i>Eucalyptus tereticornis</i>	1	16	7	Poor	Fair	300	3600	2000	Removed Demolition
429	<i>Eucalyptus sp.</i>	1	5	3	Fair	Poor	100	2000	1500	Removed Demolition
430	<i>Fraxinus excelsior</i>	1	8	6	Fair	Fair	200	2400	1700	High Impact: >20%
431	<i>Fraxinus excelsior</i>	1	7	5	Fair	Fair	150	2000	1500	High Impact: >20%
432	<i>Syncarpia glomulifera</i>	1	10	5	Good	Fair	250	3000	1900	Removed Demolition
433	<i>Syncarpia glomulifera</i>	1	13	7	Good	Fair	300	3600	2000	Removed Demolition
434	<i>Syncarpia glomulifera</i>	1	14	6	Good	Fair	300	3600	2000	Removed Demolition
435	<i>Syncarpia glomulifera</i>	1	15	5	Good	Fair	350	4200	2100	Removed Demolition
436	<i>Syncarpia glomulifera</i>	1	14	5	Good	Fair	300	3600	2000	Removed Demolition
437	<i>Syzygium australe</i>	6	8	3	Good	Fair	100	2000	1500	Removed Demolition
438	<i>Syzygium australe</i>	1	9	3	Good	Fair	200	2400	1700	Removed Demolition
439	<i>Syzygium australe</i>	1	11	5	Good	Fair	200	2400	1700	Removed Demolition
440	<i>Syncarpia glomulifera</i>	1	10	3	Fair	Fair	150	2000	1500	Removed Demolition
441	<i>Ligustrum lucidum</i>	1	11	7	Good	Fair	300	3600	2000	Removed Demolition
442	<i>Syncarpia glomulifera</i>	1	14	6	Good	Fair	300	3600	2000	Removed Demolition
443	<i>Fraxinus excelsior</i>	1	5	2	Fair	Poor	100	2000	1500	High Impact: >20%
444	<i>Fraxinus excelsior</i>	1	8	3	Fair	Fair	100	2000	1500	High Impact: >20%
445	<i>Fraxinus excelsior</i>	1	7	3	Fair	Fair	100	2000	1500	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
446	<i>Fraxinus excelsior</i>	1	11	6	Fair	Fair	200	2400	1700	High Impact: >20%
447	<i>Fraxinus excelsior</i>	1	10	6	Fair	Fair	200	2400	1700	High Impact: >20%
448	<i>Syzygium australe</i>	1	6	5	Good	Fair	100	2000	1500	Removed Demolition
449	<i>Callistemon sp.</i>	3	12	6	Good	Fair	300	3600	2000	Removed Demolition
450	<i>Schefflera actinophylla</i>	1	11	3	Good	Fair	100	2000	1500	Removed Demolition
451	<i>Ligustrum lucidum</i>	1	7	3	Good	Fair	100	2000	1500	Removed Demolition
452	<i>Phoenix canariensis</i>	1	3	3	Poor	Poor	400	4800	2300	Removed Demolition
453	<i>Syncarpia glomulifera</i>	1	11	6	Poor	Fair	300	3600	2000	Removed Demolition
454	<i>Fraxinus excelsior</i>	1	7	4	Good	Fair	200	2400	1700	High Impact: >20%
455	<i>Fraxinus excelsior</i>	1	6	4	Fair	Fair	200	2400	1700	High Impact: >20%
466	<i>Fraxinus excelsior</i>	1	5	5	Good	Fair	150	2000	1500	High Impact: >20%
467	<i>Fraxinus excelsior</i>	1	5	4	Fair	Fair	150	2000	1500	High Impact: >20%
468	<i>Syncarpia glomulifera</i>	1	15	7	Fair	Fair	400	4800	2300	Removed Demolition
469	<i>Syncarpia glomulifera</i>	1	15	5	Fair	Fair	300	3600	2000	Removed Demolition
470	<i>Callistemon viminalis</i>	1	2	2	Fair	Poor	100	2000	1500	Removed Demolition
471	<i>Ligustrum lucidum</i>	1	6	4	Good	Fair	100	2000	1500	Removed Demolition
472	<i>Syzygium australe</i>	1	8	3	Good	Fair	100	2000	1500	Removed Demolition
473	<i>Syncarpia glomulifera</i>	1	19	6	Good	Fair	350	4200	2100	Removed Demolition
474	<i>Syncarpia glomulifera</i>	1	19	6	Good	Fair	350	4200	2100	Removed Demolition
475	<i>Fraxinus excelsior</i>	1	7	4	Fair	Fair	200	2400	1700	High Impact: >20%
476	<i>Fraxinus excelsior</i>	1	8	6	Good	Fair	200	2400	1700	High Impact: >20%
477	<i>Fraxinus excelsior</i>	1	10	6	Fair	Fair	200	2400	1700	High Impact: >20%
478	<i>Fraxinus excelsior</i>	1	12	8	Good	Fair	300	3600	2000	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
479	<i>Syzygium australe</i>	2	10	2	Good	Fair	100	2000	1500	Removed Demolition
480	<i>Syzygium australe</i>	1	12	3	Good	Fair	200	2400	1700	Removed Demolition
481	<i>Syzygium australe</i>	1	13	5	Good	Fair	250	3000	1900	Removed Demolition
482	<i>Unknown species</i>	1	5	5	Fair	Poor	100	2000	1500	Removed Demolition
483	<i>Yakka species</i>	2	6	3	Fair	Fair	100	2000	1500	Removed Demolition
484	<i>Angophora costata</i>	1	20	10	Good	Fair	750	9000	2900	High Impact: >20%
485	<i>Cupaniopsis anacardioides</i>	1	5	3	Fair	Fair	100	2000	1500	High Impact: >20%
486	<i>Cupaniopsis anacardioides</i>	1	4	3	Fair	Fair	100	2000	1500	Removed Demolition
486	<i>Cupaniopsis anacardioides</i>	1	4	3	Fair	Fair	100	2000	1500	Removed Demolition
487	<i>Jacaranda mimosifolia</i>	1	6	4	Fair	Fair	150	2000	1500	Removed Demolition
488	<i>Jacaranda mimosifolia</i>	1	6	5	Fair	Fair	150	2000	1500	Removed Demolition
489	<i>Juniperus sp.</i>	1	14	6	Good	Fair	350	4200	2100	Removed Demolition
490	<i>Washingtonia robusta</i>	1	7	5	Good	Good	300	3600	2000	Removed Demolition
491	<i>Cupaniopsis anacardioides</i>	1	3	2	Fair	Fair	100	2000	1500	Removed Demolition
492	<i>Cupaniopsis anacardioides</i>	1	3	2	Fair	Fair	100	2000	1500	Removed Demolition
493	<i>Acacia longifolia</i>	1	4	1	Fair	Fair	100	2000	1500	Removed Demolition
494	<i>Cupaniopsis anacardioides</i>	1	5	2	Fair	Fair	100	2000	1500	High Impact: >20%
495	<i>Cupaniopsis anacardioides</i>	1	5	2	Fair	Fair	100	2000	1500	Removed Demolition
496	<i>Cupaniopsis anacardioides</i>	1	4	2	Fair	Fair	100	2000	1500	Removed Demolition
497	<i>Cupaniopsis anacardioides</i>	1	4	2	Fair	Fair	100	2000	1500	Removed Demolition
498	<i>Cupaniopsis anacardioides</i>	1	5	2	Fair	Fair	100	2000	1500	High Impact: >20%
499	<i>Cupaniopsis anacardioides</i>	1	4	2	Fair	Fair	100	2000	1500	High Impact: >20%
500	<i>Jasminum sp</i>	8	5	3	Good	Fair	100	2000	1500	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
501	<i>Ligustrum sinense</i>	1	7	6	Good	Fair	150	2000	1500	Removed Demolition
502	<i>Eucalyptus botryoides</i>	1	14	7	Good	Fair	350	4200	2100	Removed Demolition
503	<i>Eucalyptus botryoides</i>	1	13	8	Fair	Fair	300	3600	2000	Removed Demolition
504	<i>Casuarina glauca</i>	1	15	6	Good	Fair	250	3000	1900	Removed Demolition
505	<i>Casuarina glauca</i>	1	14	5	Good	Fair	250	3000	1900	Removed Demolition
506	<i>Casuarina glauca</i>	1	15	5	Fair	Fair	250	3000	1900	Removed Demolition
507	<i>Casuarina glauca</i>	1	20	6	Good	Fair	700	8400	2900	Removed Demolition
508	<i>Casuarina glauca</i>	1	20	7	Good	Fair	400	4800	2100	Removed Demolition
509	<i>Melaleuca sp.</i>	1	6	5	Good	Fair	250	3000	1900	Removed Demolition
510	<i>Callistemon viminalis</i>	1	6	4	Fair	Fair	200	2400	1700	Removed Demolition
511	<i>Syzygium australe</i>	1	4	2	Fair	Fair	100	2000	1500	Removed Demolition
512	<i>Syagrus romanzoffiana</i>	1	6	2	Good	Fair	150	2000	1500	Removed Demolition
513	<i>Pittosporum undulatum</i>	1	9	5	Good	Fair	150	2000	1500	Removed Demolition
514	<i>Melaleuca quinquenervia</i>	1	10	6	Good	Good	350	4200	2100	Removed Demolition
515	<i>Lagerstroemia indica</i>	1	5	3	Fair	Poor	100	2000	1500	Removed Demolition
516	<i>Ligustrum lucidum</i>	1	7	4	Good	Poor	200	2400	1700	Removed Demolition
517	<i>Schefflera actinophylla</i>	1	2	2	Good	Poor	200	2400	1700	Removed Demolition
518	<i>Casuarina glauca</i>	1	21	8	Good	Fair	350	4200	2100	Removed Demolition
519	<i>Casuarina glauca</i>	1	21	10	Good	Fair	350	4200	2100	Removed Demolition
520	<i>Syncarpia glomulifera</i>	1	16	8	Good	Fair	350	4200	2100	Removed Demolition
521	<i>Casuarina glauca</i>	1	24	8	Good	Fair	400	4800	2300	Removed Demolition
522	<i>Casuarina glauca</i>	1	20	9	Good	Fair	400	4800	2300	Removed Demolition
523	<i>Schefflera actinophylla</i>	1	8	4	Good	Fair	150	2000	1500	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
524	<i>Eucalyptus pilularis</i>	1	22	9	Good	Good	550	6600	2600	High Impact: >20%
525	<i>Jacaranda mimosifolia</i>	1	9	9	Fair	Fair	250	3000	1900	Removed Demolition
526	<i>Fagus sylvatica</i>	1	5	4	Fair	Fair	150	2000	1500	Removed Demolition
527	<i>Photinia robusta</i>	1	5	4	Good	Fair	150	2000	1500	Removed Demolition
528	<i>Callistemon sp.</i>	1	5	4	Fair	Fair	100	2000	1500	Removed Demolition
529	<i>Unknown species</i>	1	6	4	Poor	Fair	150	2000	1500	High Impact: >20%
530	<i>Jasminum species</i>	1	5	5	Good	Fair	200	2400	1700	Removed Demolition
531	<i>Unknown species</i>	1	20	9	Fair	Good	350	4200	21500	Removed Demolition
532	<i>Juniperus sp.</i>	1	17	8	Good	Fair	800	9600	3000	Removed Demolition
533	<i>Lagerstroemia indica</i>	1	4	3	Fair	Poor	150	2000	1500	Removed Demolition
534	<i>Unknown species</i>	1	6	4	Good	Good	150	2000	1500	Removed Demolition
535	<i>Casuarina glauca</i>	1	16	7	Good	Fair	400	4800	2300	High Impact: >20%
536	<i>Casuarina glauca</i>	1	18	6	Good	Fair	400	4800	2300	Removed Demolition
537	<i>Grevillea robusta</i>	1	16	4	Good	Good	300	3600	2000	Removed Demolition
538	<i>Ulmus parvifolia</i>	1	7	5	Fair	Fair	200	2400	1700	Removed Demolition
539	<i>Syncarpia glomulifera</i>	1	16	6	Good	Fair	350	4200	2100	Removed Demolition
540	<i>Syagrus romanzoffiana</i>	1	15	5	Good	Good	300	3600	2000	High Impact: >20%
541	<i>Juniperus sp.</i>	1	15	6	Good	Fair	300	3600	2000	Removed Demolition
542	<i>Syagrus romanzoffiana</i>	1	15	5	Good	Good	300	3600	2000	Removed Demolition
543	<i>Grevillea robusta</i>	1	22	8	Good	Good	400	4800	2300	High Impact: >20%
544	<i>Juniperus sp.</i>	1	15	5	Good	Good	200	2400	1700	High Impact: >20%
545	<i>Syagrus romanzoffiana</i>	1	18	6	Fair	Fair	300	3600	2000	High Impact: >20%
546	<i>Casuarina glauca</i>	1	18	5	Good	Fair	350	4200	2100	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
547	<i>Callistemon viminalis</i>	1	7	4	Fair	Fair	150	2000	1500	High Impact: >20%
548	<i>Casuarina glauca</i>	1	20	6	Good	Fair	400	4800	2300	High Impact: >20%
549	<i>Celtis australis</i>	1	8	4	Fair	Fair	150	2000	1500	High Impact: >20%
550	<i>Syzygium australe</i>	1	5	3	Fair	Fair	100	2000	1500	High Impact: >20%
551	<i>Celtis australis</i>	1	6	5	Good	Fair	200	2400	1700	Removed Demolition
552	<i>Ligustrum lucidum</i>	1	4	5	Fair	Poor	150	2000	1500	Removed Demolition
553	<i>Ligustrum sinense</i>	1	4	5	Fair	Poor	150	2000	1500	Removed Demolition
554	<i>Grevillea robusta</i>	1	9	3	Good	Good	150	2000	1500	Removed Demolition
555	<i>Callistemon viminalis</i>	1	8	6	Good	Fair	200	2400	1700	Removed Demolition
556	<i>Callistemon viminalis</i>	1	8	4	Fair	Fair	150	2000	1500	Removed Demolition
557	<i>Banksia integrifolia</i>	1	9	5	Good	Fair	250	3000	1900	Removed Demolition
558	<i>Schefflera actinophylla</i>	1	9	5	Good	Fair	300	3600	2000	Removed Demolition
559	<i>Syncarpia glomulifera</i>	1	12	6	Good	Fair	350	4200	2100	Removed Demolition
560	<i>Morus sp.</i>	1	9	7	Fair	Fair	300	3600	2000	Removed Demolition
561	<i>Acer species</i>	1	8	5	Good	Fair	300	3600	2000	Removed Demolition
562	<i>Juniperus sp.</i>	2	3	2	Good	Fair	100	2000	1500	Removed Demolition
563	<i>Morus sp.</i>	1	4	4	Poor	Poor	100	2000	1500	Removed Demolition
564	<i>Juniperus sp.</i>	1	3	2	Good	Fair	150	2000	1500	Removed Demolition
565	<i>Morus sp.</i>	1	10	10	Good	Poor	300	3600	2000	Removed Demolition
566	<i>Ligustrum lucidum</i>	1	10	4	Good	Fair	150	2000	1500	Removed Demolition
567	<i>Eucalyptus eugenioides</i>	1	19	14	Good	Fair	600	7200	2700	Removed Demolition
568	<i>Syncarpia glomulifera</i>	1	15	10	Good	Fair	600	7200	2700	Removed Demolition
569	<i>Celtis australis</i>	1	7	7	Good	Fair	300	3600	2000	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
570	<i>Celtis australis</i>	1	7	6	Fair	Fair	250	3000	1900	High Impact: >20%
571	<i>Eucalyptus robusta</i>	1	22	8	Good	Good	500	6000	2500	High Impact: >20%
572	<i>Eucalyptus robusta</i>	1	7	6	Fair	Fair	200	2400	1700	High Impact: >20%
573	<i>Eucalyptus robusta</i>	1	20	6	Fair	Good	350	4200	2100	High Impact: >20%
574	<i>Eucalyptus scoparia</i>	1	21	10	Good	Good	900	10800	3200	Removed Demolition
575	<i>Eucalyptus microcorys</i>	1	21	10	Good	Fair	400	4800	2300	Removed Demolition
576	<i>Eucalyptus robusta</i>	1	19	12	Good	Fair	850	10300	3100	High Impact: >20%
577	<i>Eucalyptus robusta</i>	1	9	6	Fair	Fair	200	2400	1700	High Impact: >20%
578	<i>Eucalyptus microcorys</i>	1	18	6	Fair	Fair	300	3600	2000	Removed Demolition
579	<i>Eucalyptus microcorys</i>	1	16	6	Fair	Fair	300	3600	2000	High Impact: >20%
580	<i>Eucalyptus eugenioides</i>	1	21	10	Fair	Fair	450	5400	2400	High Impact: >20%
581	<i>Archontophoenix alexandrae</i>	1	15	6	Good	Good	250	3000	1900	High Impact: >20%
582	<i>Eucalyptus sp.</i>	1	16	8	Fair	Fair	300	3600	2000	High Impact: >20%
583	<i>Eucalyptus sp.</i>	1	20	5	Fair	Good	300	3600	2000	Removed Demolition
584	<i>Eucalyptus microcorys</i>	1	20	6	Good	Good	300	3600	2000	Removed Demolition
585	<i>Archontophoenix alexandrae</i>	2	16	6	Good	Good	300	3600	2000	Removed Demolition
586	<i>Archontophoenix alexandrae</i>	2	13	5	Fair	Good	300	3600	2000	Removed Demolition
587	<i>Callistemon sp.</i>	1	5	4	Good	Fair	200	2400	1700	High Impact: >20%
588	<i>Callistemon sp.</i>	1	4	3	Good	Fair	100	2000	1500	Removed Demolition
589	<i>Unknown species</i>	1	4	2	Good	Fair	100	2000	1500	Removed Demolition
590	<i>Jasminum species</i>	1	7	4	Good	Fair	200	2400	1700	Removed Demolition
591	<i>Eucalyptus microcorys</i>	1	15	10	Poor	Fair	350	4200	2100	Removed Demolition
592	<i>Ligustrum sinense</i>	1	5	3	Fair	Poor	100	2000	1500	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
593	<i>Ligustrum lucidum</i>	1	9	5	Good	Fair	200	2400	1700	Removed Demolition
594	<i>Callistemon viminalis</i>	1	3	3	Fair	Poor	100	2000	1500	Removed Demolition
595	<i>Robinia pseudoacacia</i>	1	7	4	Good	Fair	200	2400	1700	Removed Demolition
596	<i>Eucalyptus microcorys</i>	1	25	10	Good	Good	1000	12000	3300	Removed Demolition
597	<i>Callistemon viminalis</i>	1	5	4	Good	Fair	150	2000	1500	Removed Demolition
598	<i>Acer palmatum</i>	1	5	7	Good	Fair	200	2400	1700	Removed Demolition
598	<i>Pittosporum undulatum</i>	1	5	7	Good	Fair	200	2400	1700	Removed Demolition
599	<i>Unknown species</i>	1	10	7	Fair	Fair	350	4200	2100	Removed Demolition
600	<i>Eucalyptus elata</i>	1	8	10	Poor	Fair	850	10300	3100	Removed Demolition
601	<i>Eucalyptus elata</i>	1	20	10	Fair	Fair	600	7200	2700	Removed Demolition
602	<i>Syncarpia glomulifera</i>	1	12	7	Good	Good	350	4200	2100	Removed Demolition
603	<i>Archontophoenix alexandrae</i>	1	13	5	Fair	Good	250	3000	1900	Removed Demolition
604	<i>Callistemon viminalis</i>	1	8	5	Fair	Fair	200	2400	1700	High Impact: >20%
605	<i>Eucalyptus microcorys</i>	1	15	8	Good	Fair	700	8400	2900	Removed Demolition
606	<i>Phoenix canariensis</i>	1	5	6	Good	Good	500	6000	2500	Removed Demolition
607	<i>Ficus benjamina</i>	1	8	9	Good	Fair	250	3000	1900	High Impact: >20%
608	<i>Celtis australis</i>	1	8	7	Good	Fair	300	3600	2000	Removed Demolition
609	<i>Casuarina glauca</i>	1	16	7	Fair	Fair	350	4200	2100	Removed Demolition
610	<i>Casuarina glauca</i>	1	14	6	Fair	Fair	200	2400	1700	Removed Demolition
611	<i>Corymbia eximia</i>	1	10	6	Good	Good	250	3000	1900	Removed Demolition
612	<i>Eucalyptus elata</i>	1	15	8	Poor	Fair	400	4800	2300	Removed Demolition
613	<i>Fraxinus excelsior</i>	1	13	10	Good	Fair	400	4800	2300	Removed Demolition
614	<i>Fraxinus excelsior</i>	1	13	9	Fair	Fair	350	4200	2100	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
615	<i>Melaleuca quinquenervia</i>	1	5	4	Fair	Fair	100	2000	1500	Removed Demolition
616	<i>Fraxinus excelsior</i>	1	14	8	Fair	Fair	200	2400	1700	Removed Demolition
617	<i>Melaleuca quinquenervia</i>	1	5	3	Fair	Fair	100	2000	1500	Removed Demolition
618	<i>Eucalyptus elata</i>	1	20	12	Fair	Good	600	7200	2700	Removed Demolition
619	<i>Casuarina glauca</i>	1	19	7	Fair	Fair	300	3600	2000	Removed Demolition
620	<i>Juniperus sp.</i>	4	15	4	Good	Fair	300	3600	2000	Removed Demolition
621	<i>Juniperus sp.</i>	1	17	6	Good	Good	350	4200	2100	Removed Demolition
622	<i>Phoenix canariensis</i>	1	7	7	Good	Good	500	6000	2500	Removed Demolition
623	<i>Archontophoenix alexandrae</i>	1	12	6	Fair	Good	300	3600	2000	Removed Demolition
624	<i>Syagrus romanzoffiana</i>	1	10	5	Good	Good	250	3000	1900	Removed Demolition
625	<i>Washingtonia robusta</i>	1	7	6	Good	Good	300	3600	2000	Removed Demolition
626	<i>Triadica sebifera</i>	1	10	6	Fair	Fair	200	2400	1700	Removed Demolition
627	<i>Archontophoenix alexandrae</i>	1	11	6	Fair	Good	250	3000	1900	Removed Demolition
628	<i>Euphorbia tirucalli</i>	1	5	4	Good	Fair	150	2000	1500	Removed Demolition
629	<i>Juniperus sp.</i>	1	15	5	Good	Fair	350	4200	2100	Removed Demolition
630	<i>Pinus radiata</i>	1	13	5	Good	Fair	350	4200	2100	Removed Demolition
631	<i>Juniperus sp.</i>	1	13	3	Fair	Fair	250	3000	1900	Removed Demolition
632	<i>Eucalyptus microcorys</i>	1	12	5	Fair	Poor	200	2400	1700	High Impact: >20%
633	<i>Eucalyptus microcorys</i>	1	24	9	Good	Good	800	9600	3000	Removed Demolition
634	<i>Angophora floribunda</i>	1	20	7	Fair	Fair	450	5400	2400	Removed Demolition
635	<i>Callistemon viminalis</i>	1	7	4	Poor	Fair	150	2000	1500	Removed Demolition
636	<i>Angophora costata</i>	1	15	7	Good	Fair	300	3600	2000	Removed Demolition
637	<i>Juniperus sp.</i>	2	13	5	Good	Good	250	3000	1900	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
638	<i>Eucalyptus saligna</i>	1	25	10	Good	Good	550	6600	2600	Removed Demolition
639	<i>Casuarina glauca</i>	1	12	4	Fair	Fair	250	3000	1900	Removed Demolition
640	<i>Callistemon viminalis</i>	1	4	3	Fair	Poor	100	2000	1500	Removed Demolition
641	<i>Archontophoenix alexandrae</i>	1	6	5	Fair	Good	250	3000	1900	Removed Demolition
642	<i>Eucalyptus microcorys</i>	1	19	9	Good	Good	350	4200	2100	Removed Demolition
643	<i>Eucalyptus microcorys</i>	1	19	8	Good	Good	350	4200	2100	Removed Demolition
644	<i>Eucalyptus microcorys</i>	1	16	7	Good	Fair	250	3000	1900	Removed Demolition
645	<i>Eucalyptus microcorys</i>	1	15	8	Good	Good	350	4200	2100	Removed Demolition
646	<i>Eucalyptus microcorys</i>	1	15	7	Good	Good	250	3000	1900	Removed Demolition
647	<i>Eucalyptus microcorys</i>	1	15	7	Good	Good	250	3000	1900	Removed Demolition
648	<i>Unknown species</i>	1	4	4	Fair	Fair	100	2000	1500	Removed Demolition
649	<i>Angophora costata</i>	1	12	7	Good	Good	250	3000	1900	Removed Demolition
650	<i>Angophora costata</i>	1	11	5	Fair	Fair	200	2400	1700	Removed Demolition
651	<i>Eucalyptus microcorys</i>	1	15	8	Good	Fair	350	4200	2100	Removed Demolition
652	<i>Ligustrum lucidum</i>	1	8	5	Good	Fair	150	2000	1500	Removed Demolition
653	<i>Eucalyptus microcorys</i>	1	17	7	Good	Fair	350	4200	2100	Removed Demolition
653	<i>Casuarina glauca</i>	1	17	7	Good	Fair	350	4200	2100	Removed Demolition
654	<i>Casuarina glauca</i>	1	18	5	Good	Fair	250	3000	1900	High Impact: >20%
655	<i>Casuarina glauca</i>	1	18	5	Fair	Fair	250	3000	1900	High Impact: >20%
656	<i>Eucalyptus microcorys</i>	1	18	7	Good	Good	350	4200	2100	High Impact: >20%
657	<i>Eucalyptus microcorys</i>	1	21	9	Good	Good	400	4800	2300	Removed Demolition
658	<i>Eucalyptus microcorys</i>	1	18	6	Good	Fair	200	2400	1700	High Impact: >20%
659	<i>Eucalyptus microcorys</i>	1	17	8	Good	Good	400	4800	2300	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
660	<i>Eucalyptus microcorys</i>	1	21	10	Good	Good	350	4200	2100	High Impact: >20%
661	<i>Juniperus sp.</i>	1	16	6	Good	Fair	350	4200	2100	Removed Demolition
662	<i>Eucalyptus microcorys</i>	1	17	10	Good	Fair	350	4200	2100	Removed Demolition
663	<i>Eucalyptus microcorys</i>	1	21	10	Good	Good	300	3600	2000	Removed Demolition
664	<i>Casuarina glauca</i>	1	18	5	Fair	Fair	250	3000	1900	Removed Demolition
665	<i>Eucalyptus microcorys</i>	1	20	9	Good	Good	350	4200	2100	High Impact: >20%
666	<i>Casuarina glauca</i>	1	20	6	Fair	Fair	300	3600	2000	High Impact: >20%
667	<i>Juniperus sp.</i>	1	11	7	Good	Fair	300	3600	2000	Removed Demolition
668	<i>Eucalyptus microcorys</i>	1	18	10	Good	Good	350	4200	2100	Removed Demolition
669	<i>Eucalyptus microcorys</i>	1	19	10	Good	Good	350	4200	2100	Removed Demolition
670	<i>Eucalyptus microcorys</i>	1	19	8	Good	Good	350	4200	2100	Removed Demolition
671	<i>Angophora costata</i>	1	12	6	Good	Fair	250	3000	1900	Removed Demolition
672	<i>Angophora costata</i>	1	14	7	Good	Good	350	4200	2100	Removed Demolition
673	<i>Eucalyptus robusta</i>	1	13	5	Fair	Fair	150	2000	1500	Removed Demolition
674	<i>Eucalyptus robusta</i>	1	9	6	Fair	Fair	200	2400	1700	High Impact: >20%
675	<i>Casuarina glauca</i>	1	17	7	Fair	Fair	350	4200	2100	Removed Demolition
676	<i>Eucalyptus microcorys</i>	1	18	9	Good	Good	350	4200	2100	Removed Demolition
677	<i>Eucalyptus microcorys</i>	1	18	8	Good	Fair	300	3600	2000	Removed Demolition
678	<i>Casuarina glauca</i>	1	20	7	Good	Good	350	4200	2100	Removed Demolition
679	<i>Celtis australis</i>	1	7	5	Good	Fair	200	2400	1700	High Impact: >20%
680	<i>Celtis australis</i>	1	7	5	Poor	Fair	200	2400	1700	High Impact: >20%
681	<i>Celtis australis</i>	1	6	4	Fair	Fair	200	2400	1700	High Impact: >20%
682	<i>Celtis australis</i>	1	7	5	Good	Fair	200	2400	1700	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
683	<i>Jasminum species</i>	3	6	3	Good	Fair	150	2000	1500	High Impact: >20%
684	<i>Ligustrum lucidum</i>	1	8	5	Good	Poor	200	2400	1700	Removed Demolition
685	<i>Celtis australis</i>	1	8	6	Good	Fair	300	3600	2000	Removed Demolition
686	<i>Casuarina glauca</i>	1	18	5	Good	Fair	300	3600	2000	Removed Demolition
687	<i>Casuarina glauca</i>	1	18	5	Fair	Good	250	3000	1900	Removed Demolition
688	<i>Casuarina glauca</i>	2	16	3	Fair	Fair	150	2000	1500	Removed Demolition
689	<i>Phoenix canariensis</i>	1	6	5	Good	Good	400	4800	2300	Removed Demolition
690	<i>Eucalyptus robusta</i>	1	19	6	Fair	Good	400	4800	2300	Removed Demolition
691	<i>Casuarina glauca</i>	1	16	5	Fair	Fair	250	3000	1900	Removed Demolition
692	<i>Casuarina glauca</i>	1	16	5	Fair	Fair	250	3000	1900	Removed Demolition
693	<i>Casuarina glauca</i>	1	17	4	Fair	Fair	250	3000	1900	Removed Demolition
694	<i>Casuarina glauca</i>	1	18	4	Fair	Good	200	2400	1700	Removed Demolition
695	<i>Casuarina glauca</i>	1	19	5	Good	Good	250	3000	1900	Removed Demolition
696	<i>Casuarina glauca</i>	1	20	4	Good	Good	250	3000	1900	Removed Demolition
697	<i>Casuarina glauca</i>	1	20	5	Good	Fair	250	3000	1900	Removed Demolition
698	<i>Casuarina glauca</i>	1	16	3	Fair	Fair	150	2000	1500	Removed Demolition
699	<i>Casuarina glauca</i>	1	16	3	Fair	Fair	150	2000	1500	Removed Demolition
700	<i>Casuarina glauca</i>	1	18	3	Fair	Fair	200	2400	1700	High Impact: >20%
701	<i>Casuarina glauca</i>	2	13	4	Poor	Poor	150	2000	1500	High Impact: >20%
702	<i>Eucalyptus robusta</i>	1	18	7	Fair	Good	350	4200	2100	Removed Demolition
703	<i>Eucalyptus robusta</i>	1	18	6	Fair	Good	350	4200	2100	High Impact: >20%
704	<i>Syzygium australe</i>	1	8	6	Good	Fair	250	3000	1900	High Impact: >20%
705	<i>Callistemon viminalis</i>	1	6	6	Fair	Fair	200	2400	1700	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
706	<i>Acacia elata</i>	1	6	1	Fair	Fair	100	2000	1500	High Impact: >20%
707	<i>Jacaranda mimosifolia</i>	1	7	5	Fair	Fair	300	3600	2000	High Impact: >20%
708	<i>Cupressus sempervirens</i>	1	9	3	Good	Fair	200	2400	2000	Removed Demolition
709	<i>Acacia sp.</i>	1	9	3	Fair	Fair	200	2400	2000	High Impact: >20%
710	<i>Eucalyptus microcorys</i>	1	25	10	Good	Good	850	10300	3100	Removed Demolition
711	<i>Acacia sp.</i>	1	6	3	Fair	Fair	100	2000	1500	Removed Demolition
712	<i>Eucalyptus microcorys</i>	1	25	11	Good	Good	750	9000	2900	Removed Demolition
713	<i>Acacia sp.</i>	1	10	4	Poor	Fair	200	2400	1700	High Impact: >20%
714	<i>Corymbia eximia</i>	1	5	3	Fair	Fair	150	2000	1500	High Impact: >20%
715	<i>Eucalyptus microcorys</i>	1	25	12	Good	Good	1000	12000	3300	High Impact: >20%
716	<i>Eucalyptus microcorys</i>	1	16	6	Poor	Fair	400	4800	2300	High Impact: >20%
717	<i>Eucalyptus sp.</i>	1	20	10	Good	Good	400	4800	2300	High Impact: >20%
718	<i>Eucalyptus saligna</i>	1	9	7	Fair	Fair	250	3000	1900	Removed Demolition
719	<i>Eucalyptus saligna</i>	1	6	4	Fair	Fair	150	2000	1500	Removed Demolition
720	<i>Eucalyptus saligna</i>	1	25	10	Good	Good	650	7800	2800	Removed Demolition
721	<i>Casuarina glauca</i>	2	6	3	Fair	Fair	100	2000	1500	Removed Demolition
722	<i>Corymbia maculata</i>	2	13	3	Good	Fair	200	2400	1700	Removed Demolition
723	<i>Eucalyptus pilularis</i>	1	15	5	Good	Fair	250	3000	1900	Removed Demolition
724	<i>Eucalyptus microcorys</i>	1	18	5	Good	Fair	300	3600	2000	Removed Demolition
725	<i>Casuarina glauca</i>	2	11	3	Fair	Fair	150	2000	1500	Removed Demolition
726	<i>Eucalyptus fibrosa</i>	1	13	6	Fair	Fair	250	3000	1900	Removed Demolition
727	<i>Eucalyptus saligna</i>	1	27	13	Good	Good	450	5400	2400	Removed Demolition
728	<i>Eucalyptus saligna</i>	1	28	11	Good	Good	450	5400	2400	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
729	<i>Eucalyptus microcorys</i>	1	9	3	Poor	Poor	150	2000	1500	Removed Demolition
730	<i>Eucalyptus pilularis</i>	1	12	2	Fair	Fair	150	2000	1500	Removed Demolition
731	<i>Eucalyptus pilularis</i>	1	13	3	Fair	Fair	200	2400	1700	Removed Demolition
732	<i>Eucalyptus pilularis</i>	1	13	6	Fair	Fair	250	3000	1900	Removed Demolition
733	<i>Eucalyptus microcorys</i>	1	16	7	Good	Fair	350	4200	2100	Removed Demolition
734	<i>Eucalyptus microcorys</i>	1	12	7	Fair	Fair	250	3000	1900	Removed Demolition
735	<i>Eucalyptus pilularis</i>	1	15	6	Fair	Fair	200	2400	1700	Removed Demolition
736	<i>Eucalyptus robusta</i>	1	15	8	Good	Fair	350	42400	2100	Removed Demolition
737	<i>Eucalyptus robusta</i>	1	15	7	Good	Good	300	3600	2000	Removed Demolition
738	<i>Eucalyptus obliqua</i>	1	16	13	Fair	Fair	850	10300	3100	Removed Demolition
739	<i>Eucalyptus microcorys</i>	1	15	12	Good	Fair	350	4200	2100	Removed Demolition
740	<i>Eucalyptus robusta</i>	1	18	6	Good	Good	300	3600	2000	Removed Demolition
741	<i>Eucalyptus robusta</i>	1	20	6	Good	Good	350	4200	2100	Removed Demolition
742	<i>Eucalyptus pilularis</i>	1	9	5	Fair	Fair	150	2000	1500	Removed Demolition
743	<i>Eucalyptus robusta</i>	1	16	4	Good	Fair	250	3000	1900	Removed Demolition
744	<i>Eucalyptus robusta</i>	1	14	8	Good	Fair	400	4800	2300	Removed Demolition
745	<i>Eucalyptus robusta</i>	1	16	9	Good	Good	350	4200	2100	Removed Demolition
746	<i>Angophora costata</i>	1	14	7	Fair	Fair	250	3000	1900	Removed Demolition
747	<i>Eucalyptus sp.</i>	1	5	2	Poor	Poor	100	2000	1500	Removed Demolition
748	<i>Eucalyptus punctata</i>	1	20	8	Good	Good	400	4800	2300	High Impact: >20%
749	<i>Eucalyptus punctata</i>	1	16	7	Good	Fair	300	3600	2000	High Impact: >20%
750	<i>Eucalyptus punctata</i>	1	20	9	Good	Good	350	4200	2100	High Impact: >20%
751	<i>Eucalyptus punctata</i>	2	15	4	Fair	Fair	250	3000	1900	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
752	<i>Eucalyptus punctata</i>	1	19	8	Good	Good	350	4200	2100	High Impact: >20%
753	<i>Eucalyptus sp.</i>	1	14	7	Fair	Fair	250	3000	1900	High Impact: >20%
754	<i>Eucalyptus robusta</i>	1	15	8	Good	Good	250	3000	1900	High Impact: >20%
755	<i>Eucalyptus robusta</i>	1	13	6	Fair	Good	250	3000	1900	Removed Demolition
756	<i>Juniperus sp.</i>	1	10	4	Good	Good	200	2400	1700	Removed Demolition
757	<i>Eucalyptus robusta</i>	1	9	4	Fair	Fair	150	2000	1500	High Impact: >20%
758	<i>Eucalyptus sp.</i>	1	16	6	Fair	Good	300	3600	2000	Removed Demolition
759	<i>Eucalyptus robusta</i>	1	15	7	Good	Good	250	3000	1900	Removed Demolition
760	<i>Eucalyptus robusta</i>	1	10	8	Fair	Fair	250	3000	1900	Removed Demolition
761	<i>Eucalyptus sp.</i>	1	14	9	Poor	Poor	350	4200	2100	Removed Demolition
762	<i>Eucalyptus sp.</i>	1	13	7	Fair	Fair	250	3000	1900	Removed Demolition
763	<i>Eucalyptus paniculata</i>	1	16	6	Good	Fair	250	3000	1900	Removed Demolition
764	<i>Eucalyptus robusta</i>	1	14	7	Fair	Fair	300	3600	2000	Removed Demolition
765	<i>Eucalyptus robusta</i>	1	15	6	Good	Fair	250	3000	1900	High Impact: >20%
766	<i>Eucalyptus robusta</i>	1	15	8	Good	Good	250	3000	1900	Removed Demolition
766	<i>Eucalyptus scoparia</i>	1	15	8	Good	Good	250	3000	1900	Removed Demolition
767	<i>Eucalyptus scoparia</i>	1	7	5	Fair	Fair	250	3000	1900	High Impact: >20%
768	<i>Eucalyptus punctata</i>	1	9	10	Fair	Fair	250	3000	1900	Removed Demolition
769	<i>Eucalyptus punctata</i>	1	20	11	Good	Good	550	6600	2600	Removed Demolition
770	<i>Eucalyptus pilularis</i>	1	9	5	Fair	Fair	150	2000	1500	Removed Demolition
771	<i>Eucalyptus pilularis</i>	1	20	11	Fair	Fair	300	3600	2000	Removed Demolition
772	<i>Eucalyptus punctata</i>	1	18	7	Poor	Fair	300	3600	2000	Removed Demolition
773	<i>Eucalyptus punctata</i>	1	20	6	Good	Good	300	3600	2000	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
774	<i>Eucalyptus pilularis</i>	1	10	5	Good	Fair	250	3000	1900	Removed Demolition
775	<i>Eucalyptus pilularis</i>	1	9	4	Poor	Poor	200	2400	1700	Removed Demolition
776	<i>Eucalyptus pilularis</i>	1	9	4	Fair	Poor	150	2000	1500	Removed Demolition
777	<i>Angophora costata</i>	1	12	4	Fair	Fair	200	2400	1700	Removed Demolition
778	<i>Eucalyptus robusta</i>	1	20	10	Good	Fair	350	4200	2100	Removed Demolition
779	<i>Eucalyptus robusta</i>	1	18	9	Good	Fair	350	4200	2100	Removed Demolition
780	<i>Eucalyptus punctata</i>	1	20	6	Fair	Fair	250	3000	1900	Removed Demolition
781	<i>Eucalyptus robusta</i>	1	18	5	Good	Fair	250	3000	1900	High Impact: >20%
782	<i>Eucalyptus robusta</i>	1	16	5	Fair	Fair	200	2400	1700	High Impact: >20%
783	<i>Eucalyptus robusta</i>	1	17	4	Fair	Fair	200	2400	1700	High Impact: >20%
784	<i>Fraxinus excelsior</i>	1	12	6	Good	Fair	200	2400	1700	High Impact: >20%
785	<i>Triadica sebifera</i>	1	12	5	Fair	Fair	200	2400	1700	Removed Demolition
786	<i>Triadica sebifera</i>	1	12	6	Fair	Fair	250	3000	1900	Removed Demolition
787	<i>Fraxinus excelsior</i>	1	11	6	Good	Fair	300	3600	2000	Removed Demolition
788	<i>Fraxinus excelsior</i>	1	15	6	Good	Fair	250	3000	1900	Removed Demolition
789	<i>Fraxinus excelsior</i>	1	13	6	Fair	Fair	200	2400	1700	Removed Demolition
790	<i>Eucalyptus sclerophylla</i>	1	18	8	Fair	Fair	500	6000	2500	Removed Demolition
791	<i>Triadica sebifera</i>	1	14	7	Fair	Fair	300	3600	2000	Removed Demolition
793	<i>Fraxinus excelsior</i>	1	12	8	Good	Fair	300	3600	2000	Removed Demolition
794	<i>Ligustrum sinense</i>	1	10	4	Good	Fair	200	2400	1700	Removed Demolition
795	<i>Triadica sebifera</i>	1	12	3	Fair	Fair	200	2400	1700	Removed Demolition
796	<i>Eucalyptus robusta</i>	1	17	7	Good	Fair	250	3000	1900	Removed Demolition
797	<i>Triadica sebifera</i>	1	12	6	Fair	Fair	200	2400	1700	Removed Demolition

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
798	<i>Triadica sebifera</i>	1	13	5	Fair	Fair	200	2400	1700	Removed Demolition
799	<i>Ligustrum lucidum</i>	1	13	4	Fair	Fair	150	2000	1500	Removed Demolition
800	<i>Triadica sebifera</i>	1	15	7	Fair	Fair	350	4200	2100	Removed Demolition
801	<i>Triadica sebifera</i>	1	12	4	Fair	Fair	200	2400	1700	Removed Demolition
802	<i>Ligustrum lucidum</i>	1	15	5	Fair	Fair	200	2400	1700	Removed Demolition
803	<i>Triadica sebifera</i>	1	15	6	Fair	Fair	350	4200	2100	Removed Demolition
803	<i>Syzygium sp.</i>	1	15	6	Fair	Fair	350	4200	2100	Removed Demolition
804	<i>Triadica sebifera</i>	1	13	5	Fair	Fair	300	3600	2000	Removed Demolition
805	<i>Cyathea species</i>	1	7	2	Good	Good	100	2000	1500	Removed Demolition
806	<i>Fraxinus excelsior</i>	1	20	10	Good	Fair	350	4200	2100	Removed Demolition
807	<i>Ligustrum sinense</i>	1	10	2	Fair	Fair	150	2000	1500	Removed Demolition
808	<i>Fraxinus excelsior</i>	1	10	8	Fair	Poor	200	2400	1700	Removed Demolition
809	<i>Morus species</i>	1	6	3	Poor	Poor	100	2000	1500	Removed Demolition
810	<i>Schefflera actinophylla</i>	1	12	2	Fair	Fair	150	2000	1500	Removed Demolition
811	<i>Triadica sebifera</i>	1	9	6	Fair	Fair	100	2000	1500	Removed Demolition
812	<i>Tibouchina species</i>	1	5	4	Fair	Poor	100	2000	1500	Removed Demolition
813	<i>Fraxinus excelsior</i>	1	12	7	Good	Fair	300	3600	2000	Removed Demolition
814	<i>Triadica sebifera</i>	1	10	4	Poor	Fair	200	2400	1700	Removed Demolition
815	<i>Unknown species</i>	1	5	6	Fair	Poor	100	1200	0	No impact: 0%
816	<i>Jasminum species</i>	1	7	2	Good	Fair	100	1200	0	No impact: 0%
817	<i>Pittosporum undulatum</i>	1	6	6	Fair	Fair	150	1800	0	No impact: 0%
818	<i>Acer negundo</i>	1	12	10	Good	Fair	300	3600	0	No impact: 0%
819	<i>Tristania laurina</i>	1	7	4	Fair	Fair	100	1200	0	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
820	<i>Callistemon viminalis</i>	1	7	5	Fair	Fair	100	1200	0	No impact: 0%
821	<i>Eucalyptus microcorys</i>	1	22	7	Good	Good	300	3600	0	No impact: 0%
822	<i>Eucalyptus microcorys</i>	1	12	3	Fair	Fair	100	1200	0	No impact: 0%
823	<i>Corymbia maculata</i>	1	22	4	Fair	Fair	250	3000	0	No impact: 0%
824	<i>Eucalyptus microcorys</i>	1	25	7	Good	Good	350	4200	0	No impact: 0%
825	<i>Callistemon viminalis</i>	1	6	5	Fair	Fair	100	1200	0	No impact: 0%
826	<i>Tristaniopsis laurina</i>	1	7	3	Fair	Fair	100	1200	0	No impact: 0%
827	<i>Angophora costata</i>	1	19	4	Good	Good	150	1800	0	No impact: 0%
828	<i>Eucalyptus microcorys</i>	1	22	8	Good	Good	300	3600	0	No impact: 0%
829	<i>Banksia integrifolia</i>	1	9	3	Fair	Fair	100	1200	0	No impact: 0%
830	<i>Angophora costata</i>	1	14	1	Fair	Fair	100	1200	0	No impact: 0%
831	<i>Eucalyptus microcorys</i>	1	18	6	Good	Good	200	2400	0	No impact: 0%
832	<i>Eucalyptus microcorys</i>	1	16	3	Fair	Fair	150	1800	0	No impact: 0%
833	<i>Eucalyptus microcorys</i>	1	9	2	Fair	Fair	100	1200	0	No impact: 0%
834	<i>Tristaniopsis laurina</i>	1	9	3	Fair	Fair	100	1200	0	No impact: 0%
835	<i>Angophora costata</i>	1	18	3	Fair	Good	200	2400	0	No impact: 0%
835	<i>Eucalyptus microcorys</i>	1	24	7	Good	Good	300	3600	0	No impact: 0%
836	<i>Eucalyptus microcorys</i>	1	10	3	Fair	Fair	150	1800	0	No impact: 0%
837	<i>Melia azedarach</i>	1	14	7	Good	Fair	300	3600	0	No impact: 0%
838	<i>Callistemon viminalis</i>	1	3	3	Fair	Fair	100	1200	0	No impact: 0%
839	<i>Banksia integrifolia</i>	1	6	2	Fair	Fair	100	1200	0	No impact: 0%
840	<i>Callistemon viminalis</i>	1	5	4	Fair	Fair	100	1200	0	No impact: 0%
841	<i>Eucalyptus microcorys</i>	1	24	6	Good	Good	300	3600	0	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
842	<i>Ligustrum sinense</i>	1	4	4	Fair	Poor	100	1200	0	No impact: 0%
843	<i>Angophora costata</i>	1	19	5	Fair	Good	250	3000	0	No impact: 0%
844	<i>Eucalyptus microcorys</i>	1	19	5	Good	Fair	150	1800	0	No impact: 0%
845	<i>Angophora costata</i>	1	15	5	Fair	Fair	150	1800	0	No impact: 0%
845	<i>Tristaniopsis laurina</i>	1	5	3	Fair	Fair	100	1200	0	No impact: 0%
846	<i>Tristaniopsis laurina</i>	1	6	2	Good	Fair	100	1200	0	No impact: 0%
847	<i>Syncarpia glomulifera</i>	1	18	9	Good	Fair	800	9600	0	No impact: 0%
848	<i>Angophora costata</i>	1	15	5	Fair	Good	300	3600	0	No impact: 0%
849	<i>Angophora costata</i>	1	16	4	Good	Good	300	3600	0	No impact: 0%
850	<i>Banksia integrifolia</i>	1	12	5	Fair	Fair	150	1800	0	No impact: 0%
851	<i>Eucalyptus sp.</i>	1	8	5	Fair	Fair	150	1800	0	No impact: 0%
852	<i>Tristaniopsis laurina</i>	1	6	4	Good	Fair	150	1800	0	No impact: 0%
853	<i>Tristaniopsis laurina</i>	1	6	3	Good	Fair	100	1200	0	No impact: 0%
854	<i>Tristaniopsis laurina</i>	1	5	3	Fair	Fair	100	1200	0	No impact: 0%
855	<i>Banksia integrifolia</i>	1	6	4	Good	Fair	150	1800	0	No impact: 0%
856	<i>Stenocarpus sinuatus</i>	1	5	2	Fair	Fair	100	1200	0	No impact: 0%
857	<i>Tristaniopsis laurina</i>	1	6	2	Fair	Fair	100	1200	0	No impact: 0%
858	<i>Acacia sp.</i>	1	10	7	Good	Good	250	3000	0	No impact: 0%
859	<i>Ligustrum lucidum</i>	1	7	3	Fair	Fair	100	1200	0	No impact: 0%
860	<i>Triadica sebifera</i>	1	22	9	Fair	Fair	1100	13200	0	No impact: 0%
861	<i>Tristaniopsis laurina</i>	1	4	3	Good	Fair	150	1800	0	No impact: 0%
862	<i>Tristaniopsis laurina</i>	1	3	1	Poor	Fair	100	1200	0	No impact: 0%
863	<i>Angophora costata</i>	1	23	9	Good	Good	400	4800	0	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
864	<i>Callistemon viminalis</i>	1	6	4	Fair	Fair	100	1200	0	No impact: 0%
865	<i>Tristaniopsis laurina</i>	1	2	2	Poor	Poor	100	1200	0	No impact: 0%
866	<i>Callistemon viminalis</i>	1	5	4	Poor	Fair	100	1200	0	No impact: 0%
867	<i>Unknown species</i>	1	5	3	Fair	Fair	100	1200	0	No impact: 0%
868	<i>Lophostemon confertus</i>	1	14	8	Good	Fair	300	3600	0	No impact: 0%
869	<i>Cupaniopsis anacardioides</i>	1	8	7	Good	Fair	200	2400	0	No impact: 0%
870	<i>Lophostemon confertus</i>	1	20	7	Good	Good	400	4800	0	No impact: 0%
871	<i>Acer negundo</i>	1	10	8	Good	Fair	200	2400	0	No impact: 0%
872	<i>Pittosporum undulatum</i>	1	8	5	Fair	Fair	150	1800	0	No impact: 0%
873	<i>Lophostemon confertus</i>	1	22	8	Fair	Good	400	4800	0	No impact: 0%
874	<i>Eucalyptus robusta</i>	1	22	10	Fair	Fair	400	4800	0	High Impact: >20%
875	<i>Casuarina glauca</i>	1	20	7	Good	Fair	400	4800	0	High Impact: >20%
876	<i>Casuarina glauca</i>	1	20	5	Fair	Good	300	3600	0	High Impact: >20%
877	<i>Casuarina glauca</i>	1	20	6	Fair	Fair	200	2400	0	High Impact: >20%
878	<i>Angophora costata</i>	1	15	6	Fair	Good	250	3000	0	High Impact: >20%
879	<i>Angophora costata</i>	1	15	6	Fair	Good	250	3000	0	High Impact: >20%
880	<i>Acacia sp.</i>	1	7	8	Good	Fair	150	1800	0	High Impact: >20%
881	<i>Angophora costata</i>	1	13	2	Fair	Fair	150	1800	0	High Impact: >20%
882	<i>Angophora costata</i>	1	17	5	Fair	Good	200	2400	0	High Impact: >20%
883	<i>Angophora costata</i>	1	13	2	Fair	Fair	150	1800	0	High Impact: >20%
883	<i>Eucalyptus tereticornis</i>	1	27	11	Good	Good	1100	13200	0	High Impact: >20%
884	<i>Eucalyptus tereticornis</i>	1	27	9	Good	Good	900	10800	0	High Impact: >20%
885	<i>Eucalyptus tereticornis</i>	1	28	10	Good	Good	800	9600	0	High Impact: >20%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
886	<i>Acacia baileyana</i>	1	18	9	Good	Fair	500	6000	0	High Impact: >20%
887	<i>Eucalyptus sp.</i>	1	12	7	Poor	Poor	150	1800	0	High Impact: >20%
889	<i>Eucalyptus eugenioides</i>	0	0	0	Good	Fair	350	4200	0	No impact: 0%
890	<i>Eucalyptus saligna</i>	0	0	0	Good	Fair	300	3600	0	No impact: 0%
891	<i>Eucalyptus saligna</i>	0	0	0	Good	Fair	350	4200	0	No impact: 0%
892	<i>Eucalyptus saligna</i>	0	0	0	Good	Fair	300	3600	0	No impact: 0%
893	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	350	4200	0	No impact: 0%
894	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	400	4800	0	No impact: 0%
895	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	300	3600	0	No impact: 0%
896	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	300	3600	0	No impact: 0%
897	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	300	3600	0	No impact: 0%
898	<i>Eucalyptus saligna</i>	0	0	0	Good	Fair	250	3000	0	No impact: 0%
899	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	300	3600	0	No impact: 0%
900	<i>Lophostemon confertus</i>	0	0	0	Good	Good	400	4800	0	No impact: 0%
901	<i>Lophostemon confertus</i>	0	0	0	Fair	Fair	350	4200	0	No impact: 0%
902	<i>Ligustrum sp.</i>	0	0	0	Good	Fair	300	3600	0	No impact: 0%
903	<i>Acer negundo</i>	0	0	0	Fair	Fair	300	3600	0	No impact: 0%
904	<i>Erythrina crista - galli</i>	0	0	0	Fair	Fair	300	3600	0	No impact: 0%
905	<i>Erythrina crista - galli</i>	0	0	0	Fair	Poor	350	4200	0	No impact: 0%
906	<i>Acer negundo</i>	0	0	0	Fair	Fair	350	4200	0	No impact: 0%
907	<i>Casuarina glauca</i>	0	0	0	Good	Fair	350	4200	0	No impact: 0%
908	<i>Casuarina glauca</i>	0	0	0	Good	Good	300	3600	0	No impact: 0%
909	<i>Casuarina glauca</i>	0	0	0	Good	Fair	300	3600	0	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
910	<i>Casuarina glauca</i>	0	0	0	Good	Fair	250	3000	0	No impact: 0%
911	<i>Angophora costata</i>	0	0	0	Good	Good	400	4800	0	High Impact: >20%
912	<i>Melaleuca alternifolia</i>	0	0	0	Good	Fair	300	3600	0	High Impact: >20%
913	<i>Angophora costata</i>	0	0	0	Good	Good	300	3600	0	High Impact: >20%
914	<i>Angophora costata</i>	0	0	0	Good	Fair	350	4200	0	High Impact: >20%
915	<i>Angophora costata</i>	0	0	0	Good	Fair	300	3600	0	High Impact: >20%
916	<i>Angophora costata</i>	0	0	0	Good	Fair	250	3000	0	High Impact: >20%
917	<i>Casuarina glauca</i>	0	0	0	Good	Fair	300	3600	0	High Impact: >20%
918	<i>Angophora costata</i>	0	0	0	Good	Good	250	3000	0	No impact: 0%
919	<i>Angophora costata</i>	0	0	0	Good	Good	200	2400	0	High Impact: >20%
920	<i>Angophora costata</i>	0	0	0	Good	Good	200	2400	0	High Impact: >20%
921	<i>Angophora costata</i>	0	0	0	Good	Fair	350	4200	0	High Impact: >20%
922	<i>Angophora costata</i>	0	0	0	Good	Fair	250	3000	0	High Impact: >20%
923	<i>Melaleuca alternifolia</i>	0	0	0	Good	Fair	200	2400	0	High Impact: >20%
924	<i>Angophora costata</i>	0	0	0	Good	Fair	250	3000	0	High Impact: >20%
925	<i>Angophora costata</i>	0	0	0	Good	Fair	200	2400	0	High Impact: >20%
926	<i>Eucalyptus sp.</i>	0	0	0	Good	Good	350	4200	0	No impact: 0%
927	<i>Angophora costata</i>	0	0	0	Fair	Fair	300	3600	0	No impact: 0%
928	<i>Lophostemon confertus</i>	0	0	0	Good	Good	600	7200	0	No impact: 0%
929	<i>Lophostemon confertus</i>	0	0	0	Good	Good	650	7800	0	No impact: 0%
930	<i>Lophostemon confertus</i>	0	0	0	Fair	Fair	450	5400	0	No impact: 0%
931	<i>Corymbia citriodora</i>	0	0	0	Fair	Fair	500	6000	0	No impact: 0%
932	<i>Corymbia citriodora</i>	0	0	0	Fair	Good	500	6000	0	No impact: 0%

No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
933	<i>Pittosporum undulatum</i>	0	0	0	Fair	Fair	250	3000	0	No impact: 0%
934	<i>Lophostemon confertus</i>	0	0	0	Good	Good	650	7800	0	No impact: 0%
935	<i>Eucalyptus microcorys</i>	0	0	0	Good	Good	650	7800	0	No impact: 0%
936	<i>Ficus microcarpa</i>	0	0	0	Good	Good	750	9000	0	No impact: 0%
937	<i>Corymbia maculata</i>	0	0	0	Poor	Fair	350	4200	0	High Impact: >20%
938	<i>Eucalyptus microcorys</i>	0	0	0	Good	Good	500	6000	0	No impact: 0%
939	<i>Casuarina cunninghamiana</i>	0	0	0	Good	Fair	300	3600	0	No impact: 0%
940	<i>Corymbia maculata</i>	0	0	0	Good	Good	400	4800	0	No impact: 0%
941	<i>Casuarina cunninghamiana</i>	0	0	0	Good	Good	400	4800	0	No impact: 0%
942	<i>Corymbia maculata</i>	0	0	0	Fair	Fair	300	3600	0	No impact: 0%
943	<i>Angophora costata</i>	0	0	0	Fair	Good	600	7200	0	No impact: 0%
944	<i>Eucalyptus pilularis</i>	0	0	0	Good	Good	1000	12000	0	No impact: 0%
945	<i>Eucalyptus pilularis</i>	0	0	0	Good	Good	800	9600	0	No impact: 0%
946	<i>Corymbia maculata</i>	0	0	0	Good	Good	300	3600	0	No impact: 0%
947	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	650	7800	0	No impact: 0%
948	<i>Eucalyptus sp.</i>	0	0	0	Fair	Good	600	7200	0	High Impact: >20%
949	<i>Corymbia maculata</i>	0	0	0	Fair	Fair	400	4800	0	No impact: 0%
950	<i>Eucalyptus botryoides</i>	0	0	0	Poor	Fair	400	4800	0	High Impact: >20%
951	<i>Casuarina cunninghamiana</i>	0	0	0	Fair	Fair	350	4200	0	Removed Demolition
952	<i>Unknown species</i>	0	0	0	Poor	Poor	1100	13200	0	No impact: 0%
953	<i>Eucalyptus sp.</i>	0	0	0	Good	Fair	350	4200	0	No impact: 0%
954	<i>Eucalyptus saligna</i>	0	0	0	Good	Good	550	6600	0	No impact: 0%
955	<i>Eucalyptus sp.</i>	0	0	0	Good	Good	550	6600	0	Removed Demolition

Arboricultural Impact Assessment										
No.	Botanical Name	Trees In Group	Height (m)	Spread (m)	Health	Retention value	DBH (mm)	TPZ (mm)	SRZ (mm)	Impacts
956	<i>Melaluca Spp.</i>	0	0	0			300	3600	0	High Impact: >20%
957	<i>Melaluca Spp.</i>	0	0	0			300	3600	0	High Impact: >20%
958	<i>Melaluca</i>	0	0	0			300	3600	0	High Impact: >20%
959	<i>Melaluca Spp.</i>	0	0	0			300	3600	0	High Impact: >20%
998	<i>Eucalyptus Spp.</i>	0	0	0			0	0	0	No impact: 0%
1015	<i>Eucalyptus microcorys</i>	0	0	0	Good	Good	650	7800	0	No impact: 0%
1016	<i>Ficus microcarpa</i>	0	0	0	Good	Good	750	9000	0	No impact: 0%
1017	<i>Ficus microcarpa</i>	0	0	0	Good	Good	750	9000	0	No impact: 0%
888	<i>Cinnamomum camphora</i>	0	0	0	Poor	Fair	350	4200	0	High Impact: >20%

4 Recommendations

4.1 Trees requiring detailed assessment

A total of 2 trees will require detailed assessment to determine suitability for retention.

Further detailed assessments (root investigation), via the use of non-destructive methods will be required for any works that encroach greater than 10% within the TPZ. If encroachment cannot be restricted to outside of the SRZ, these trees cannot be successfully retained.

The area lost to this encroachment should be compensated for elsewhere, and be contiguous with the TPZ. All work within the TPZ must be carried out under the supervision of the project arborist.

4.2 Trees to be retained

The tree protection plan outlined in **Chapter 5** and **Appendix B** should be implemented for all trees proposed to be retained and all trees that fall within 10 m of any construction activities.

4.3 Offsetting

Any loss of trees should be offset in accordance with the recommendations outlined in *Eco Logical Australia October 2017. Ivanhoe Estate Re-development SSD 17_8707 – Biodiversity Assessment Report and Offset Strategy. Prepared for Frasers Property Australia – Rhodes.*

Replacement planting and landscaping within the future development site should also consider the species identified for removal within this document. Species selection should be in co-ordination with the *City of Ryde Council* and with consideration to the following species:

- *Angophora costata* (Sydney Red Gum)
- *Syncarpia glomulifera* (Turpentine)
- *Angophora floribunda* (Rough barked Apple)
- *Backhousia citriodora* (Lemon Scented Myrtle)
- *Eucalyptus crebra* (Narrow Leaf Ironbark)
- *Eucalyptus sideroxylon* (Mugga Ironbark)
- *Melaleuca linariifolia* (Snow in Summer)

4.4 Tree work

- All tree work is to be carried out by an arborist with a minimum AQF Level 3 qualification in Arboriculture.
- All tree work must be in accordance with Australian Standard AS 4373-2007, Pruning of Amenity Trees and the NSW WorkCover Code of Practice for the Amenity Tree Industry (1998).
- Permission must be granted from the relevant consent authority, prior to removing or pruning of any of the subject trees.

5 Tree management plan

5.1 Tree protection measures

The following tree protection measures will be required if trees are retained:

- Tree protection fencing must be established around the perimeter of the TPZ. If the protective fencing requires temporary removal, trunk, branch and ground protection must be installed and must comply with *AS 4970-2009 - Protection of trees on development sites*. Existing fencing and site hoarding may be used as tree protection fencing.
- If temporary access for machinery is required within the TPZ, ground protection measures will be required. The purpose of ground protection is to prevent root damage and soil compaction within the TPZ. Ground protection may include a permeable membrane such as geotextile fabric beneath a layer of mulch, crushed rock or rumble boards.
- Any additional construction activities within the TPZ of the subject trees must be assessed and approved by the project arborist, and must comply with *AS 4970-2009 - Protection of trees on development sites*.

Further information and guidelines on tree protection is in **Appendix D**.

5.2 Hold points, inspection and certification

The approved tree protection plan must be available onsite prior to the commencement of works, and throughout the entirety of the project. To ensure the tree protection plan is implemented, hold points have been specified in the schedule of works below. It is the responsibility of the principal contractor to complete each of the tasks.

Once each stage is reached, the work will be inspected and certified by the project arborist and the next stage may commence. Alterations to this schedule may be required due to necessity, however, this shall be through consultation with the project arborist only.

Table 3: Schedule of works

Pre-construction	Prior to demolition and site establishment indicate clearly (with spray paint on trunks) trees marked for removal only.
	Tree protection (for trees that will be retained) shall be installed prior to demolition and site establishment, this will include mulching of areas within the TPZ
During Construction	Scheduled inspection of trees by the project arborist should be undertaken monthly during the construction period.
	Inspection of trees by project arborist after all major construction has ceased, following the removal of tree protection measures.
Post Construction	Final inspection of trees by project arborist.

References

Australian Standard, AS 4373-2007, *Pruning of Amenity Trees*.

Australian Standard, AS 4970-2009, *Protection of Trees on Development Sites*.

Harris, R., Clark, J., Matheny, N. and Harris, V. 2004. *Arboriculture: Integrated Management of Landscape Trees, Shrubs and Vines*, Upper Saddle River, N.J.: Prentice Hall, London

Mattheck, C. 2007. *Updated field guide for visual tree assessment*. Karlsruhe: Forschungszentrum Karlsruhe.

WorkCover NSW. 1998. *Code of Practice: Amenity Tree Industry*

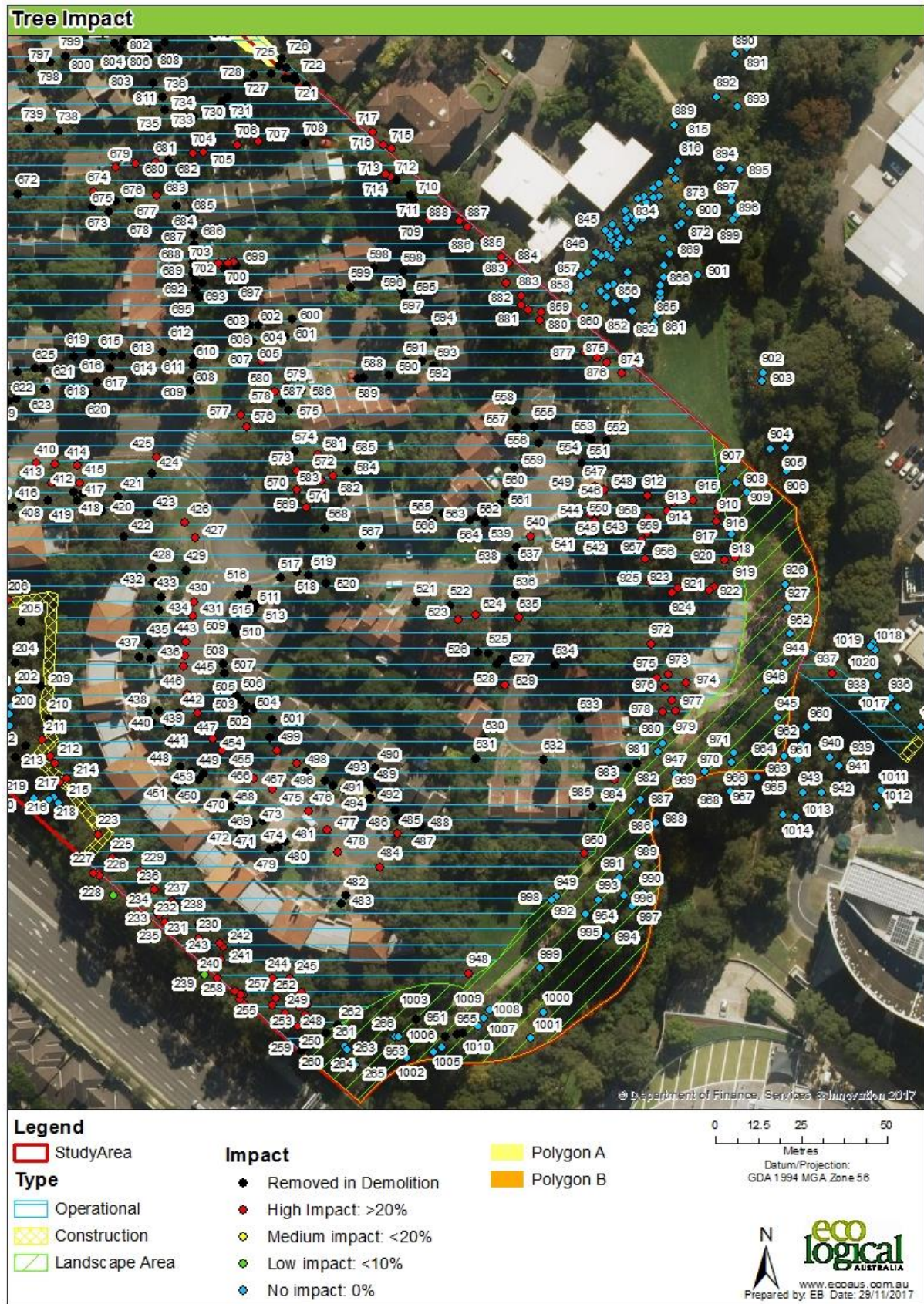
Institute of Australian Consulting Arboriculturists (IACA) 2010. *IACA Significance of a Tree, Assessment Rating System (STARS)*. Australia, www.iaca.org.au

Appendix A – Tree locations and impacts



Tree Impact





Appendix B - Tree Protection Guidelines

The following tree protection guidelines must be implemented during the construction period in the event that no tree-specific recommendations are detailed.

Tree protection fencing

The TPZ is a restricted area delineated by protective fencing or the use of an existing structure (such as a wall or fence).

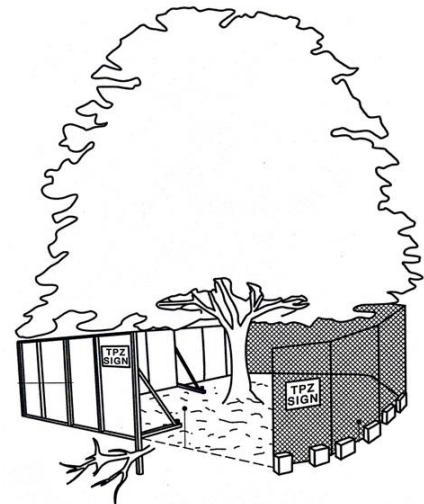
Trees that are to be retained must have protective fencing erected around the TPZ (or as specified in the body of the report) to protect and isolate it from the construction works. Fencing must comply with the *Australian Standard, AS 4687-2007, Temporary fencing and hoardings*.

Tree protection fencing must be installed prior to site establishment and remain intact until completion of works. Once erected, protective fencing must not be removed or altered without the approval of the project arborist.

If the protective fencing requires temporary removal, trunk, branch and ground protection must be installed and must comply with *AS 4970-2009, Protection of Trees on Development Sites*.

Tree protection fencing shall be:

- Enclosed to the full extent of the TPZ (or as specified in the Recommendations and Tree Protection Plan).
- Cyclone chain wire link fence or similar, with lockable access gates.
- Certified and Inspected by the Project Arborist.
- Installed prior to the commencement of works.
- Prominently signposted with 300mm x 450mm boards stating "NO ACCESS - TREE PROTECTION ZONE".



Crown protection

Tree crowns/canopy may be injured or damaged by machinery such as; excavators, drilling rigs, trucks, cranes, plant and vehicles. Where crown protection is required, it will usually be located at least one meter outside the perimeter of the crown.

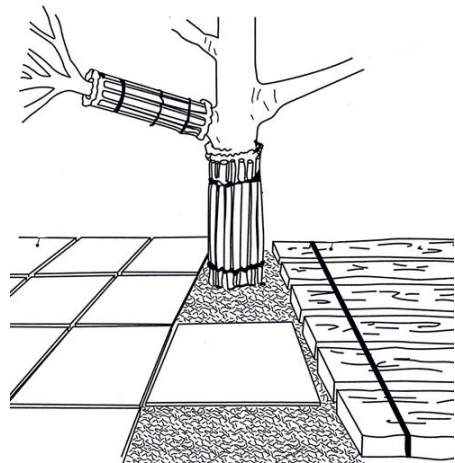
Crown protection may include the installation of a physical barrier, pruning selected branches to establish clearance, or the tying/bracing of branches.

Trunk protection

Where provision of tree protection fencing is impractical or must be temporarily removed, trunk protection shall be installed for the nominated trees to avoid accidental mechanical damage.

The removal of bark or branches allows the potential ingress of micro-organisms which may cause decay. Furthermore, the removal of bark restricts the trees' ability to distribute water, mineral ions (solutes), and glucose.

Trunk protection shall consist of a layer of either carpet underfelt, geotextile fabric or similar wrapped around the trunk, followed by 1.8 m lengths of softwood timbers aligned vertically and spaced evenly around the trunk (with an approx. 50 mm gap between the timbers).



The timbers must be secured using galvanised hoop strap (aluminium strapping). The timbers shall be wrapped around the trunk but not fixed to the tree, as this will cause injury/damage to the tree.

Ground protection

Tree roots are essential for the uptake/absorption of water, oxygen and mineral ions (solutes). It is essential to prevent the disturbance of the soil beneath the dripline and within the TPZ of trees that are to be retained. Soil compaction within the TPZ will adversely affect the ability of roots to function correctly.

If temporary access for machinery is required within the TPZ ground protection measures will be required. The purpose of ground protection is to prevent root damage and soil compaction within the TPZ. Ground protection may include a permeable membrane such as geotextile fabric beneath a layer of mulch, crushed rock or rumble boards.

If the grade is to be raised within the TPZ, the material should be coarser or more porous than the underlying material.

Root protection & pruning

If incursions/excavation within the TPZ are unavoidable, exploratory excavation (under the supervision of the Project Arborist) using non-destructive methods may be considered to evaluate the extent of the root system affected, and determine whether or not the tree can remain viable.

If the project arborist identifies conflicting roots that requiring pruning, they must be pruned with a sharp implement such as; secateurs, pruners, handsaws or a chainsaw back to undamaged tissue. The final cut must be a clean cut.

Underground services

All underground services should be routed outside of the TPZ. If underground services need to be installed within the TPZ, they should be installed using horizontal directional drilling (HDD). The horizontal drilling/boring must be at minimum depth of 600mm below grade. Trenching for services is to be regarded as "excavation"

Appendix C Tree retention assessment method

Tree Significance - Assessment Criteria - STARS®		
Low	Medium	High
<p>The tree is in fair-poor condition and good or low vigour.</p> <p>The tree has form atypical of the species</p> <p>The tree is not visible or is partly visible from the surrounding properties or obstructed by other vegetation or buildings</p> <p>The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area</p> <p>The tree is a young specimen which may or may not have reached dimensions to be protected by local Tree Preservation Orders or similar protection mechanisms and can easily be replaced with a suitable specimen</p> <p>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</p> <p>The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms</p> <p>The tree has a wound or defect that has the potential to become structurally unsound.</p> <p>The tree is an environmental pest species due to its invasiveness or poisonous/allergenic properties.</p> <p>The tree is a declared noxious weed by legislation</p>	<p>The tree is in fair to good condition</p> <p>The tree has form typical or atypical of the species</p> <p>The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area</p> <p>The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street</p> <p>The tree provides a fair contribution to the visual character and amenity of the local area</p> <p>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</p>	<p>The tree is in good condition and good vigour</p> <p>The tree has a form typical for the species</p> <p>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.</p> <p>The tree is listed as a heritage item, threatened species or part of an endangered ecological community or listed on Councils significant tree register</p> <p>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.</p> <p>The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values.</p> <p>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.</p>

Tree Significance					
Useful Life Expectancy		High	Medium	Low	
	Long >40 years				
	Medium 15-40 years				
	Short <1-15 years				
	Dead				

Legend for Matrix Assessment	
	Priority for retention (High): These trees are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970 Protection of trees on development sites. Tree sensitive construction measures must be implemented 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 the removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.
	Consider for removal (Low): These tree are not considered important for retention, nor require special works or design modification to be implemented for their retention.
	Consider for removal (Low): These tree are not considered important for retention, nor require special works or design modification to be implemented for their retention.

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