

JACKSONS NATURE WORKS

34 CALOOLA CRESCENT, BEVERLY HILLS 2209

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ARBORICULTURAL IMPACT ASSESSMENT REPORT

At

**2 – 34 Davidson Street
Greenacre**

Prepared for

FIFE Capital

28th January 2022

**STRATHFIELD COUNCIL
RECEIVED**

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DISCLAIMER

The Client acknowledges that this Report, and any opinions, advice or recommendations expressed or given in it, are the information supplied by the Client and on the data inspections, measurements and analysis carried out or obtained by Jacksons Nature Works (JNW) and referred to in the Report. The Client should rely on The Report, and on its contents, only to that extent.

Care has been taken to obtain all information from reliable sources. All data has been verified as far as possible. However, Ross Jackson – Consulting Arborist can neither guarantee nor be responsible for the accuracy of information provided by others.

Unless stated otherwise:

- Information contained in this report covers only the trees examined and reflects the health and structure of the trees at the time of inspection. The documented, observations, results, recommendations and conclusions given may vary after the site visit due to environmental conditions.
- The inspection was limited to visual examination from the base of the subject tree without dissection, probing or coring.
- There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the future; &
- Unauthorised use of this report in any form is prohibited and remains the intellectual property of Jacksons Nature Works until all costs are settled.

Ross Jackson

Consulting Arborist

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1. BACKGROUND and METHODOLOGY

- 1.1 The purpose of this Tree Report is to inform and accompany the development application works at 2 – 34 Davidson Street – The Site.
- 1.2 The report was commissioned by FIFE Capital to respond to Council’s requirements to consider the development impacts on trees located on and around the Site.
- 1.3 This report outlines the health and condition of the subject trees, the remaining life expectancy of the trees, identifies any visible defects or other problems, describes which trees require pruning, removal, retention or represent a potential hazard and comments on the impact on these trees in relation to the works proposed. The report also provides recommended tree protection measures (Tree Management Plan) to ensure the long-term preservation of the trees to be retained where appropriate.
- 1.4 The Site is an industrial site with gardens at Greenacre.
- 1.5 The trees were identified by ground level Visual Tree Assessment (VTA) ¹ only in the data collection, taken on 17.12.2021. No aerial (climbing) was undertaken.
- 1.6 All site photographs were taken by the author at the site. All photographs were taken using a digital camera (Canon 7D) with no image enhancement either within the camera or on computer.
- 1.7 The subject trees were located on plans supplied. The trees have been plotted and can be found on Annexure B – Tree Location Plan.
- 1.8 The trees were identified and their genus species and common name used. The trees were identified by the use of data collected and compared to G Burnie, S Forrester et al (1997) **Botanica** Random House, Milsons Point, NSW, Australia.
- 1.9 DBH. The Trunk Diameter at Breast Height (1.4 metres above ground level) in centimetres was measured over bark using a metal tape which automatically converts to diameter and assumes a circular trunk cross section.
- 1.10 DRB. The trunk Diameter above Root Buttress in centimetres was measured over bark using a metal tape which automatically converts to diameter and assumes a circular trunk cross section.
- 1.11 Height. Estimated overall height in metres.
- 1.12 Spread. Measured with a metal tape measure and shown in metres.
- 1.13 Useful Life Expectancy (ULE)².
A systematic pre-development tree assessment procedure developed by Jeremy Barrell, Hampshire, England. It gives a length of time that the Arborist feels a

¹ Mattheck, Dr. Clause & Breloer, Helge (1994) – Sixth Edition (2001) **The Body Language of Trees – A Handbook for Failure Analysis** The Stationery Office, London, England

² Barrell, Jeremy (1996, 2001) **Pre-development Tree Assessment** Proceedings of the International Conference on Trees and Building Sites (Chicago) International Society of Arboriculture, Illinois, USA

particular tree can be retained with an acceptable level of risk based on the information available at the time of the inspection. SULE ratings are Long (retainable for 40 years or more with an acceptable level of risk), Medium, (retainable for 16 – 39 years), Short (retainable for 5 – 15 years) and Removal (tree requiring immediate removal due to imminent hazard or absolute unsuitability).

1.14 The Tree Protection Zone (TPZ) and Structural Root Zone (SRZ) have been calculated in terms of AS 4970 – 2009 Protection of trees on development site Section 3.

1.15 To prepare this report we have reviewed the following documents:

- Landscape Concept Plan by John Lock & Associates dated 24.3.2000, Rev E.
- Arborist Report by Mr B Magus, Valuation Solutions Tree Solutions t/a Abacus Tree Services, dated 15.9.2021 (VTS – 2021).
- Detail survey by Total Surveying Solutions dated 20.11.2020.
- Architectural plans by Reid Campbell dated 25.1.2022, Issue S.
- Landscape plans by Site Design + Studio dated 27.1.2022, Issue H.
- Part O of the Strathfield Consolidated Development Control Plan 2005 – Tree Management (DCP); &
- Australian Standard AS 4970 – 2009 Protection of trees on development sites.

2. OBSERVATIONS as seen on the days of inspection (17.12.2021)

2.1 Our tree observations can be found in Annexure A.

3. DISCUSSIONS

3.1 We have been commissioned by FIFE Capital, to examine the health and condition of the trees on and around this development site.

It is proposed to undertake alterations to existing and the construction of a new warehouse including new vehicular parking on Site (development works).

I have been provided with a copy of the landscape plan by John Lock & Associates (dated 23.4.200) – refer Annexure B.

It is apparent all the trees in and around the Site have been planted as part of the landscaping works associated with the development of this Site in the year 2000 or thereabout.

Consequently, none of the trees being assessed as part of this report are “Remnant vegetation” (A plant or plants of any taxa and their progeny as part of the floristics of the recognised endemic *ecological community* remaining in a given location [e.g., seeds in a seed bank, trees] after alteration of the site”³

This report will concentrate of the trees impacted by the development works and only list those trees proposed for removal. All other trees will be noted as being retained.

³ Draper. D. B and Richards. P.A. (2009). **Dictionary for Managing Trees in Urban Environments**. CSIRO Publishing. Collingwood. Victoria.

For ease of assessment the same tree numbering used in the VTS – 2021 has been used in this report. However, a number of trees were incorrectly identified in the VTS – 2021 report and have been corrected in this report.

3.2 We have examined the trees on site and can suggest the following considerations for the development works:

1. The following trees are impacted by the proposed development works:

- a. Tree 1, 15, 16, 17, 18, 19, 20, 21 & 22 *Flindersia australis*, tree 2, 3, 4, 6, 11, 12, 13, 14, *Gleditsia triacanthos*, tree 7, 8, 9, 10 *Tristaniopsis laurina*, tree 36, 40 *Eucalyptus tereticornis*, tree 37, 39, 50A, 50B, 40C *Syncarpia glomulifera*, tree 95 Dead tree, tree 96, 100, 102 *Acacia melanoxylon*, tree 97, 98, 99, 101, 103, 104, 105, 106, 107 & 196 *Melaleuca linariifolia*.

These trees are considered to be removable to allow the development works to proceed as they are within the development works – refer Annexure C.

Also, as noted above, these trees were planted as part of the development works during 2000 – 2001.

- b. All other trees will be retained on Site and along Davidson Street. It is noted the existing mounds along the rail side of the Site will support the proposed roads around the new factory and carparking area at the north west corner – refer plate 1 & 2.



Plate 1: Trees 49 – 60.



Plate 2: Trees in the north / west corner.

2. The landscape plans show the replacement planting of a huge number of trees, shrubs and ground covers to more than compensate for the removal of the 42 trees.

4. RECOMMENDATIONS

The following recommendations are advised:

- a) Remove the following tree on site: Trees 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 36, 37, 39, 40, 40A, 40B, 40C, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107 & 196.
- b) Retain ALL other trees on site.
- c) Tree removal work shall be carried out by an experienced tree surgeon in accordance with *Safe Work Australia Guide for Managing Risks of Tree Trimming and Removal (2016)*.
- d) Install the following Tree Protection Measures around the retained trees on site, tree protection measures shall be a temporary fence of chain wire panels 1.8 metres in height (or equivalent), supported by steel stakes or concrete blocks as required and fastened together and supported to prevent sideways movement. A sign is to be erected on the tree protection fences of the trees to be retained that the trees are covered by Council's tree preservation orders and that "No Access" is permitted into the tree protection zone – refer Annexure D.
- e) That a Tree Management Plan be prepared as part of the Construction Certificate by a consulting arborist who holds the Diploma in Horticulture (Arboriculture), Level 5 or above under the Australian Qualification Framework.
- f) An AQF Level 5 Project Arborist shall be engaged to supervise the building works and certify compliance with all Tree Protection Measures.
- g) The tree location plan can be found on Annexure B.

h) The tree impact plans can be found on Annexure C.

A handwritten signature in black ink, appearing to read 'Ross Jackson', with a stylized flourish at the end.

Ross Jackson M.A.A. & M.A.I.H.
Consulting Arborist 1695
Graduate Certificate in Arboriculture AQF Level 8
Diploma Horticulture (Arboriculture) – AQF Level 5
Certificate III in Horticulture
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Annexure A: Observations as seen on the day of inspection of trees

Tree No	Botanical Name	Age Class	Height (m)	Spread (m)	D.B.H. (cm)	D.R.B. (cm)	TPZ (radius m)	SRZ (radius m)	Condition comments as seen on site	ULE
1	<i>Flindersia australis</i>	M	5	5	15	20	2.0	1.7	G vitality, in asphalt carpark	2
2	<i>Gleditsia triacanthos</i>	M	4	5	10	15	2.0	1.5	G vitality, in asphalt carpark	2
3	<i>Gleditsia triacanthos</i>	M	4	7	15	20	2.0	1.7	G vitality, in asphalt carpark	2
4	<i>Gleditsia triacanthos</i>	M	5	9	4 x 10	30	2.4	2.0	G vitality, in asphalt carpark	2
5	<i>Gleditsia triacanthos</i>	M	5	9	20	25	2.4	1.8	G vitality, in asphalt carpark	2
6	<i>Gleditsia triacanthos</i>	M	4	8	15	20	2.0	1.7	G vitality, in asphalt carpark	2
7	<i>Tristaniopsis laurina</i>	M	6	6	2 x 20	35	3.4	2.1	G vitality, in asphalt carpark	2
8	<i>Tristaniopsis laurina</i>	M	6	5	20	25	2.4	1.8	G vitality, in asphalt carpark	2
9	<i>Tristaniopsis laurina</i>	M	6	5	20	25	2.4	1.8	G vitality, in asphalt carpark	2
10	<i>Tristaniopsis laurina</i>	M	5	7	5 x 5	20	2.0	1.7	G vitality, in asphalt carpark	2
11	<i>Gleditsia triacanthos</i>	M	5	5	5 x 10	20	2.4	1.7	G vitality, in asphalt carpark	2
12	<i>Gleditsia triacanthos</i>	M	6	7	20	25	3.6	1.8	G vitality, in asphalt carpark	2
13	<i>Gleditsia triacanthos</i>	M	7	8	30	35	3.6	2.1	G vitality, in asphalt carpark	2
14	<i>Gleditsia triacanthos</i>	M	9	11	30	35	2.4	2.1	G vitality, in asphalt carpark	2
15	<i>Flindersia australis</i>	M	5	5	20	25	2.4	1.8	G vitality, in asphalt carpark	2
16	<i>Flindersia australis</i>	M	5	5	15	20	2.0	1.7	G vitality, in asphalt carpark	2
17	<i>Flindersia australis</i>	M	8	5	20	25	2.4	1.8	G vitality, in asphalt carpark	2
18	<i>Flindersia australis</i>	M	6	7	25	30	3.0	2.0	G vitality, in asphalt carpark	2
19	<i>Flindersia australis</i>	M	4	2	15	20	2.0	1.7	G vitality, in asphalt carpark	2
20	<i>Flindersia australis</i>	M	7	5	20	25	2.4	1.8	G vitality, in asphalt carpark	2
21	<i>Flindersia australis</i>	M	8	7	30	35	3.6	2.1	G vitality, in asphalt carpark	2
22	<i>Flindersia australis</i>	M	5	4	15	20	2.0	1.7	G vitality, in asphalt carpark	2
23	<i>Flindersia australis</i>	M	7	7	3 x 10	15	2.1	1.5	G vitality, in asphalt carpark	2
24	<i>Gleditsia triacanthos</i>	M	5	5	20	20	2.4	1.7	G vitality, in asphalt carpark	2
25	<i>Gleditsia triacanthos</i>	M	4	4	2 x 10	15	2.0	1.5	G vitality, in asphalt carpark	2
26	<i>Gleditsia triacanthos</i>	M	4	6	2 x 10	15	2.0	1.5	G vitality, in asphalt carpark	2

27	<i>Gleditsia triacanthos</i>	M	4	7	2 x 10	20	2.0	1.7	G vitality, in asphalt carpark	2
28	<i>Gleditsia triacanthos</i>	M	4	5	20	20	2.4	1.7	G vitality, in asphalt carpark	2
29	<i>Gleditsia triacanthos</i>	M	4	4	2 x 10	15	2.0	1.5	G vitality, in asphalt carpark	2
30	<i>Gleditsia triacanthos</i>	M	3	7	10	15	2.0	1.5	G vitality, in asphalt carpark	2
31	<i>Gleditsia triacanthos</i>	M	4	8	2 x 10	15	2.0	1.5	G vitality, in asphalt carpark	2
32	<i>Gleditsia triacanthos</i>	M	5	8	20	25	2.4	1.8	G vitality, in asphalt carpark	2
33	<i>Gleditsia triacanthos</i>	M	4	9	10	15	2.0	1.5	G vitality, in asphalt carpark	2
34	<i>Eucalyptus siderophloia</i>	M	13	8	40	45	4.8	2.4	G vitality	2
35	<i>Eucalyptus tereticornis</i>	M	19	7	50	55	6.0	2.6	G vitality	2
36	<i>Eucalyptus tereticornis</i>	M	13	8	40	45	4.8	2.4	G vitality	2
37	<i>Syncarpia glomulifera</i>	M	6	2	30	35	3.6	2.1	G vitality	2
38	<i>Eucalyptus tereticornis</i>	M	8	2	15	20	2.0	1.7	G vitality	2
39	<i>Syncarpia glomulifera</i>	M	8	7	15	20	2.0	1.7	G vitality	2
40	<i>Eucalyptus tereticornis</i>	M	8	4	50	55	6.0	2.6	G vitality	2
40A	<i>Syncarpia glomulifera</i>	M	7	6	30	35	3.6	2.1	G vitality, back of OSD	2
40B	<i>Syncarpia glomulifera</i>	M	7	7	40	45	4.8	2.4	G vitality, back of OSD	2
40C	<i>Syncarpia glomulifera</i>	M	7	6	30	35	3.6	2.1	G vitality, back of OSD	2
41	<i>Eucalyptus tereticornis</i>	M	12	4	25	30	3.0	2.0	G vitality	2
42	<i>Eucalyptus tereticornis</i>	M	16	8	45	50	5.4	2.5	G vitality	2
43	<i>Eucalyptus tereticornis</i>	M	7	4	15	20	2.0	1.7	G vitality	2
44	<i>Eucalyptus tereticornis</i>	M	13	6	50	55	6.0	2.6	G vitality	2
45	<i>Eucalyptus tereticornis</i>	M	19	5	40	45	4.8	2.4	G vitality	2
46	<i>Angophora costata</i>	M	11	8	30	35	3.6	2.1	G vitality	2
47	<i>Eucalyptus tereticornis</i>	M	17	7	45	50	5.4	2.5	G vitality	2
48	<i>Eucalyptus tereticornis</i>	M	12	7	35	40	4.2	2.3	G vitality	2

49	<i>Angophora costata</i>	M	13	8	35	40	4.2	2.3	G vitality	2
50	<i>Eucalyptus tereticornis</i>	M	10	6	25	30	3.0	2.0	G vitality	2
51	<i>Angophora costata</i>	M	10	8	30	35	3.6	2.1	G vitality	2
52	<i>Eucalyptus tereticornis</i>	M	15	6	35	40	4.2	2.3	G vitality	2
53	<i>Eucalyptus tereticornis</i>	M	17	7	30	35	3.6	2.1	G vitality	2
54	<i>Eucalyptus tereticornis</i>	M	17	4	30	35	3.6	2.1	G vitality	2
55	<i>Eucalyptus tereticornis</i>	M	17	5	15, 30	45	4.0	2.4	G vitality	2
56	<i>Eucalyptus tereticornis</i>	M	14	4	25	30	3.0	2.0	G vitality	2
57	<i>Angophora costata</i>	M	9	9	30	35	3.6	2.1	G vitality	2
58	<i>Eucalyptus tereticornis</i>	M	15	7	40	45	4.8	2.4	G vitality	2
59	<i>Eucalyptus tereticornis</i>	M	15	7	30	35	3.6	2.1	G vitality	2
60	<i>Eucalyptus tereticornis</i>	M	11	6	30	35	3.6	2.1	G vitality	2
61	<i>Eucalyptus tereticornis</i>	M	10	6	30	35	3.6	2.1	G vitality	2
62	<i>Eucalyptus tereticornis</i>	M	10	4	25	30	3.0	2.0	G vitality	2
63	<i>Eucalyptus tereticornis</i>	M	12	7	30	35	3.6	2.1	G vitality	2
64	<i>Dead tree</i>	D	13	-	-	-	-	-	Exempt tree	-
65	<i>Angophora costata</i>	M	10	3	15, 35	50	4.6	2.5	G vitality	2
66	<i>Angophora costata</i>	M	9	8	40	45	4.8	2.4	G vitality	2
67	<i>Eucalyptus tereticornis</i>	M	13	6	35	50	4.2	2.5	G vitality	2
68	<i>Eucalyptus tereticornis</i>	M	16	7	50	55	6.0	2.6	G vitality	2
69	<i>Angophora costata</i>	M	9	5	30	35	3.6	2.1	G vitality	2
70	<i>Waterhousia floribunda</i>	M	6	2	2 x 15	35	2.5	2.1	G vitality	2
71	<i>Waterhousia floribunda</i>	M	6	6	20	25	2.4	1.8	G vitality	2
72	<i>Melaleuca linariifolia</i>	M	7	6	30	35	3.6	2.1	G vitality	2
73	<i>Callistemon viminalis</i>	M	5	4	Multi	-	2.0	1.5	G vitality	2
74	<i>Melaleuca linariifolia</i>	M	5	4	30	35	3.6	2.1	G vitality	2

75	<i>Melaleuca linariifolia</i>	M	7	5	25	30	3.0	2.0	G vitality	2
76	<i>Melaleuca linariifolia</i>	M	5	4	15	20	2.0	1.7	G vitality	2
77	<i>Melaleuca linariifolia</i>	M	6	4	15	20	2.0	1.7	G vitality	2
78	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
79	<i>Melaleuca linariifolia</i>	M	6	4	15	20	2.0	1.7	G vitality	2
80	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
81	<i>Melaleuca linariifolia</i>	M	9	4	15	20	2.0	1.7	G vitality	2
82	<i>Melaleuca linariifolia</i>	M	8	4	30, 10	40	3.8	2.3	G vitality	2
83	<i>Melaleuca linariifolia</i>	M	9	2	15	20	2.0	1.7	G vitality	2
84	<i>Melaleuca armillaris</i>	M	9	5	2 x 15	35	2.5	2.1	G vitality, bifurcated (stable)	2
85	<i>Melaleuca armillaris</i>	M	9	6	3 x 15	35	3.1	2.1	G vitality	2
86	<i>Melaleuca bracteata</i>	M	7	2	10	15	2.0	1.5	G vitality	2
87	<i>Melaleuca armillaris</i>	M	9	6	25	30	3.0	2.0	G vitality	2
88	<i>Melaleuca bracteata</i>	M	8	4	10	15	2.0	1.5	G vitality	2
89	<i>Melaleuca linariifolia</i>	M	7	5	25	30	3.0	2.0	G vitality	2
90	<i>Melaleuca linariifolia</i>	M	8	5	20	25	2.4	1.8	G vitality	2
91	<i>Melaleuca linariifolia</i>	M	9	4	30	35	3.6	2.1	G vitality	2
92	<i>Melaleuca linariifolia</i>	M	4	4	2 x 10	25	2.0	1.8	G vitality	2
93	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
94	<i>Melaleuca linariifolia</i>	M	9	5	2 x 20	40	3.4	2.3	G vitality	2
95	Dead tree	D	9	-	-	-	-	-	Exempt tree	4a
96	<i>Acacia melanoxylon</i>	M	9	2	15	20	2.0	1.7	G vitality	2
97	<i>Melaleuca linariifolia</i>	M	8	6	25	30	3.0	2.0	G vitality	2
98	<i>Melaleuca linariifolia</i>	M	8	3	15	20	2.0	1.7	G vitality	2
99	<i>Melaleuca linariifolia</i>	M	9	4	2 x 15	35	2.5	2.1	G vitality, bifurcated (stable)	2
100	<i>Acacia melanoxylon</i>	M	12	4	20	25	2.4	1.8	G vitality	2

101	<i>Melaleuca linariifolia</i>	M	6	5	2 x 15	30	2.5	2.0	G vitality	2
102	<i>Acacia melanoxylon</i>	M	11	6	30	35	3.6	2.1	G vitality	2
103	<i>Melaleuca linariifolia</i>	M	8	3	15	20	2.0	1.7	G vitality	2
104	<i>Melaleuca linariifolia</i>	M	5	4	15	20	2.0	1.7	G vitality	2
105	<i>Melaleuca linariifolia</i>	M	8	8	15	20	2.0	1.7	G vitality	2
106	<i>Melaleuca linariifolia</i>	M	6	7	3 x 20	65	4.2	2.8	G vitality	2
107	<i>Melaleuca linariifolia</i>	M	5	4	2 x 25	45	4.2	2.4	G vitality	2
108	<i>Melaleuca linariifolia</i>	M	5	5	3 x 15	50	3.1	2.5	G vitality	2
109	<i>Melaleuca linariifolia</i>	M	5	4	2 x 15	30	2.5	2.0	G vitality	2
110	<i>Acacia melanoxylon</i>	M	9	3	25	30	3.0	2.0	G vitality	2
111	<i>Acacia melanoxylon</i>	M	8	6	15	20	2.0	1.7	G vitality	2
112	<i>Melaleuca leucadendra</i>	M	10	12	75	80	9.0	3.0	G vitality	2
113	<i>Melaleuca linariifolia</i>	M	8	5	3 x 15	50	3.1	2.5	G vitality	2
114	<i>Melaleuca linariifolia</i>	M	10	8	2 x 15	35	2.5	2.1	G vitality	2
115	<i>Melaleuca linariifolia</i>	M	9	6	2 x 15	35	2.5	2.1	G vitality	2
116	<i>Acacia melanoxylon</i>	M	10	5	20	25	2.4	1.8	G vitality	2
117	<i>Acacia melanoxylon</i>	M	11	7	20	25	2.4	1.8	G vitality	2
118	<i>Acacia melanoxylon</i>	M	11	9	25	30	3.0	2.0	G vitality	2
119	<i>Melaleuca linariifolia</i>	M	5	5	20	25	2.4	1.8	G vitality	2
120	<i>Melaleuca linariifolia</i>	M	4	3	20	25	2.4	1.8	G vitality	2
121	<i>Melaleuca linariifolia</i>	M	8	7	20	20	2.4	1.7	G vitality	2
122	<i>Melaleuca armillaris</i>	M	7	4	15	20	2.0	1.7	G vitality	2
123	<i>Melaleuca linariifolia</i>	M	7	2	2 x 10	25	2.0	1.8	G vitality	2
124	<i>Melaleuca linariifolia</i>	M	7	2	15	20	2.0	1.7	G vitality	2
125	<i>Melaleuca linariifolia</i>	M	7	5	2 x 15	30	2.4	2.0	G vitality	2

126	<i>Melaleuca linariifolia</i>	M	8	6	Multi	30	2.0	2.0	G vitality	2
-	-	-	-	-	-	-	-	-	-	-
1	<i>Acmena smithii</i>	M	7	4	2 x 25	45	4.2	2.4	G vitality	2
2	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
3	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
4	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
5	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
6	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
7	<i>Flindersia australis</i>	M	5	4	20	25	2.4	1.8	G vitality	2
8	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
9	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
10	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
11	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
12	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
13	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
14	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
15	<i>Acmena smithii</i>	M	5	4	20	25	2.4	1.8	G vitality	2
16	<i>Flindersia australis</i>	M	8	4	20	25	2.4	1.8	G vitality	2
17	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
18	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
19	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
20	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
21	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
22	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
23	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
24	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
25	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
26	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
27	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
28	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
29	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
30	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
31	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
32	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
33	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
34	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
35	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
36	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
37	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
38	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
39	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
40	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
41	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
42	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
43	<i>Acmena smithii</i>	M	6	4	15	20	2.0	1.7	G vitality	2
44	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
45	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
46	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2

97	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
98	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
99	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
100	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
101	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
102	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
103	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
104	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
105	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
106	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
107	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
108	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
109	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
110	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
111	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
112	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
113	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
114	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
115	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
116	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
117	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
118	<i>Acmena smithii</i>	M	7	4	20	25	2.4	1.8	G vitality	2
119	<i>Casuarina cunninghamiana</i>	M	8	2	10	15	2.0	1.5	G vitality	2
120	<i>Casuarina cunninghamiana</i>	M	8	2	10	15	2.0	1.5	G vitality	2
121	<i>Casuarina cunninghamiana</i>	M	8	2	10	15	2.0	1.5	G vitality	2
122	<i>Casuarina cunninghamiana</i>	M	3	2	10	15	2.0	1.5	G vitality	2
123	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
124	<i>Casuarina cunninghamiana</i>	M	5	2	10	15	2.0	1.5	G vitality	2
125	<i>Casuarina cunninghamiana</i>	M	5	2	10	15	2.0	1.5	G vitality	2
126	<i>Casuarina cunninghamiana</i>	M	5	2	10	15	2.0	1.5	G vitality	2
127	<i>Casuarina cunninghamiana</i>	M	5	2	10	15	2.0	1.5	G vitality	2
128	<i>Casuarina cunninghamiana</i>	M	7	2	10	15	2.0	1.5	G vitality	2
129	<i>Casuarina cunninghamiana</i>	M	5	2	10	15	2.0	1.5	G vitality	2
130	<i>Casuarina cunninghamiana</i>	M	5	2	10	15	2.0	1.5	G vitality	2
131	<i>Casuarina cunninghamiana</i>	M	4	2	10	15	2.0	1.5	G vitality	2
132	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2

133	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
134	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
135	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
136	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
137	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
138	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
139	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
140	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
141	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
142	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
143	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
144	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
145	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
146	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
147	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
148	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
149	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
150	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
151	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
152	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
153	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
154	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
155	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
156	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
157	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2

158	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
159	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
160	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
161	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
162	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
163	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
164	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
165	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
166	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
167	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
168	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
169	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
170	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
171	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
172	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
173	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
174	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
175	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
176	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
177	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
178	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
179	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
180	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
181	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
182	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2

183	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
184	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
185	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
186	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
187	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
188	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
189	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
190	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
191	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
192	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
193	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
194	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
195	<i>Casuarina cunninghamiana</i>	M	6	2	10	15	2.0	1.5	G vitality	2
196	<i>Melaleuca linariifolia</i>	M	4	4	25	30	3.0	2.0	G vitality	2
197	<i>Melaleuca linariifolia</i>	M	6	4	25	30	3.0	2.0	G vitality	2
198	<i>Melaleuca linariifolia</i>	M	6	4	2 x 10	25	2.0	1.8	G vitality	2
199	<i>Melaleuca linariifolia</i>	M	6	5	Multi	35	3.6	2.1	G vitality	2
200	<i>Melaleuca linariifolia</i>	M	6	3	Multi	25	2.4	1.8	G vitality	2
201	<i>Melaleuca quinquenervia</i>	M	6	3	20	25	2.4	1.8	G vitality	2
202	<i>Melaleuca quinquenervia</i>	M	8	3	30	35	3.6	2.1	G vitality	2
203	<i>Melaleuca quinquenervia</i>	M	9	6	40	45	4.8	2.4	G vitality	2
204	<i>Melaleuca linariifolia</i>	M	6	2	2 x 15	35	2.5	2.1	G vitality	2
205	<i>Melaleuca linariifolia</i>	M	6	2	2 x 10	2020	2.0	11.7	G vitality	2
206	<i>Melaleuca linariifolia</i>	M	6	2	15	20	1.8	1.7	G vitality	2
207	<i>Melaleuca linariifolia</i>	M	6	4	4 x 15	50	3.6	2.5	G vitality	2

208	<i>Melaleuca quinquenervia</i>	M	6	4	2 x 15	35	2.5	2.1	G vitality	2
209	<i>Melaleuca styphelioides</i>	M	6	3	2 x 15	35	2.5	2.1	G vitality	2
210	<i>Eucalyptus tereticornis</i>	M	16	9	50	55	6.0	2.6	G vitality	2
211	<i>Eucalyptus tereticornis</i>	M	17	9	40	45	4.8	2.4	G vitality	2
212	<i>Angophora costata</i>	M	11	8	45	50	5.4	2.5	G vitality	2
213	<i>Eucalyptus tereticornis</i>	M	17	7	35	40	4.2	2.3	G vitality	2
214	<i>Eucalyptus tereticornis</i>	M	19	9	40	45	4.8	2.4	G vitality	2
215	<i>Eucalyptus tereticornis</i>	M	9	5	10	15	2.0	1.5	G vitality	2
216	<i>Angophora costata</i>	M	10	6	10	15	2.0	1.5	G vitality	2
217	<i>Eucalyptus tereticornis</i>	M	17	9	45	50	5.4	2.5	G vitality	2
218	<i>Angophora costata</i>	M	12	7	40	45	4.8	2.4	G vitality	2
219	<i>Angophora costata</i>	M	12	9	35	40	4.2	2.3	G vitality	2
220	<i>Eucalyptus tereticornis</i>	M	18	9	40	50	4.8	2.5	G vitality	2
221	<i>Angophora costata</i>	M	9	3	15	20	1.8	1.7	G vitality	2
222	<i>Angophora costata</i>	M	12	5	20	30	2.4	2.0	G vitality	2
223	<i>Eucalyptus tereticornis</i>	M	15	6	25	30	3.0	2.0	G vitality	2
224	<i>Angophora costata</i>	M	17	10	40	45	4.8	2.4	G vitality	2
225	<i>Angophora costata</i>	M	17	9	20	25	2.4	1.8	G vitality	2
226	<i>Eucalyptus tereticornis</i>	M	15	7	40	45	4.8	2.4	G vitality	2
227	<i>Angophora costata</i>	M	13	8	30	35	3.6	2.1	G vitality	2
228	<i>Angophora costata</i>	M	12	5	25	35	3.0	2.1	G vitality	2
229	<i>Melaleuca quinquenervia</i>	M	4	6	25	30	3.0	2.0	G vitality	2
230	<i>Eucalyptus tereticornis</i>	M	17	10	2 x 45	90	7.6	3.2	G vitality, bifurcated (stable)	2
231	<i>Angophora costata</i>	M	7	8	2 x 20	45	3.4	2.4	G vitality	2
232	<i>Angophora costata</i>	M	10	5	3 x 20	65	4.2	2.8	G vitality	2

233	<i>Eucalyptus tereticornis</i>	M	15	10	40	45	4.8	2.4	G vitality	2
234	<i>Angophora costata</i>	M	10	7	2 x 30	70	4.2	2.8	G vitality	2
235	<i>Eucalyptus tereticornis</i>	M	17	5	40	45	4.8	2.4	G vitality, included bark @ 2m (stable)	2
236	<i>Angophora costata</i>	M	10	7	40	45	4.8	2.4	G vitality	2
237	<i>Eucalyptus tereticornis</i>	M	16	6	2 x 35	80	5.9	3.0	G vitality, bifurcated (stable)	2
238	<i>Eucalyptus tereticornis</i>	M	16	7	45	50	5.4	2.5	G vitality	2
239	<i>Angophora costata</i>	M	9	8	4 x 20	85	4.8	3.1	G vitality	2
240	<i>Eucalyptus tereticornis</i>	M	15	6	2 x 30	65	5.1	2.8	G vitality, bifurcated stable)	2
241	<i>Angophora costata</i>	M	7	3	2 x 20	45	3.4	2.4	F vitality, apical dead	3
242	<i>Eucalyptus tereticornis</i>	M	12	9	2 x 40	75	6.8	2.9	G vitality, bifurcated stable)	2
243	<i>Eucalyptus tereticornis</i>	M	12	7	40	45	4.8	2.4	G vitality	2
244	<i>Eucalyptus tereticornis</i>	M	12	5	30	35	3.6	2.1	G vitality	2
245	<i>Eucalyptus tereticornis</i>	M	9	9	40	45	4.8	2.4	G vitality	2
246	<i>Eucalyptus tereticornis</i>	M	17	5	35	40	4.2	2.3	G vitality	2
247	<i>Syncarpia glomulifera</i>	M	7	7	30	35	3.6	2.1	G vitality	2
248	<i>Syncarpia glomulifera</i>	M	8	7	30	35	3.6	2.1	G vitality	2
249	<i>Syncarpia glomulifera</i>	M	8	7	30	35	3.6	2.1	G vitality	2
250	<i>Eucalyptus siderophloia</i>	M	12	7	30	30	3.6	2.0	G vitality	2
251	<i>Angophora costata</i>	M	8	8	25	40	3.0	2.3	G vitality	2
252	<i>Eucalyptus siderophloia</i>	M	14	9	40	45	4.8	2.4	G vitality, bifurcated	2
253	<i>Eucalyptus tereticornis</i>	M	14	12	40	45	4.8	2.4	G vitality	2
254	<i>Angophora costata</i>	M	7	4	20	25	2.4	1.8	G vitality	2
255	<i>Eucalyptus siderophloia</i>	M	13	8	30	35	3.6	2.1	G vitality	2
256	<i>Eucalyptus tereticornis</i>	M	14	11	50	55	6.0	2.6	G vitality	2

257	<i>Eucalyptus sideroxylon</i> 'Rosea'	M	13	7	30	35	3.6	2.1	G vitality	2
258	<i>Angophora costata</i>	M	9	6	20, 30	55	4.3	2.6	F vitality, decay in fork union	3
259	<i>Eucalyptus siderophloia</i>	M	13	7	4 x 30	90	7.2	3.2	G vitality	2
260	<i>Eucalyptus sideroxylon</i> 'Rosea'	M	14	10	50	60	6.0	2.7	G vitality	2
261	<i>Angophora costata</i>	M	12	4	2 x 15	30	2.5	2.0	G vitality, bifurcated stable)	2
262	<i>Angophora costata</i>	M	12	3	25	30	3.0	2.0	G vitality	2
263	<i>Eucalyptus siderophloia</i>	M	15	9	40, 20	65	5.4	2.8	G vitality, bifurcated stable)	2
264	<i>Eucalyptus siderophloia</i>	M	10	5	2 x 20	45	3.4	2.4	G vitality	2
265	<i>Acacia melanoxylon</i>	M	8	5	20	25	2.4	1.8	G vitality	2
266	<i>Callistemon viminalis</i>	M	5	2	2 x 20	45	3.4	2.4	G vitality, bifurcated stable)	2
267	<i>Acacia melanoxylon</i>	M	9	11	30	35	3.6	2.1	G vitality	2
268	<i>Acacia melanoxylon</i>	M	12	9	30	35	3.6	2.1	G vitality, DW (minor)	2
269	<i>Acacia melanoxylon</i>	M	11	6	30, 35	80	5.5	3.0	G vitality, bifurcated stable)	2
270	<i>Acacia melanoxylon</i>	M	10	7	30	35	3.6	2.1	G vitality, DW (minor)	2
271	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
272	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
273	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
274	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
275	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
276	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality, bifurcated stable)	2
277	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
278	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
279	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
280	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2

281	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
282	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
283	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
284	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
285	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
286	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
287	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
288	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
289	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality, bifurcated stable)	2
290	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
291	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
292	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
293	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
294	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
295	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
296	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality, bifurcated stable)	2
297	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality, bifurcated stable)	2
298	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality, bifurcated stable)	2
299	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
300	<i>Melaleuca linariifolia</i>	M	7	4	20	25	2.4	1.8	G vitality	2
301	<i>Callistemon viminalis</i>	M	4	2	3 x 10	35	2.1	2.1	G vitality	2
302	<i>Callistemon viminalis</i>	M	4	3	2 x 10	25	2.0	1.8	G vitality	2
303	<i>Pittosporum undulatum</i>	M	5	6	15	20	2.0	1.7	G vitality	2
304	<i>Eucalyptus robusta</i>	M	11	9	60	65	7.2	2.8	G vitality, bifurcated stable)	2

305	<i>Eucalyptus sideroxylon</i> 'Rosea'	M	11	10	30	35	3.6	2.1	G vitality, DW (minor)	2
306	<i>Eucalyptus robusta</i>	M	10	11	2 x 35	70	5.9	2.8	G vitality, bifurcated stable)	2
307	<i>Eucalyptus robusta</i>	M	6	5	15	20	2.0	1.7	G vitality	2
308	<i>Pittosporum undulatum</i>	M	5	5	15	15	2.0	1.5	G vitality	2
309	<i>Eucalyptus robusta</i>	M	11	15	4 x 30	80	7.2	3.0	G vitality	2
310	<i>Eucalyptus tereticornis</i>	M	9	8	40	50	4.8	2.5	G vitality	2
311	<i>Melaleuca linariifolia</i>	M	5	4	2 x 20	35	3.4	2.1	G vitality, bifurcated stable)	2
312	<i>Melaleuca linariifolia</i>	M	5	3	20	25	2.4	1.8	G vitality, bifurcated stable)	2
313	<i>Melaleuca linariifolia</i>	M	5	3	20	25	2.4	1.8	G vitality, bifurcated stable)	2
314	<i>Melaleuca linariifolia</i>	M	5	3	20	25	2.4	1.8	G vitality, bifurcated stable)	2
315	<i>Melaleuca linariifolia</i>	M	5	3	20	25	2.4	1.8	G vitality	2
316	<i>Melaleuca linariifolia</i>	M	5	3	20	25	2.4	1.8	G vitality	2
317	<i>Melaleuca linariifolia</i>	M	5	3	20	25	2.4	1.8	G vitality	2
318	<i>Acacia melanoxylon</i>	M	5	7	40	45	4.8	2.4	G vitality	2
319	<i>Acacia melanoxylon</i>	M	10	5	30	35	3.6	2.1	G vitality	2
320	<i>Acacia melanoxylon</i>	M	10	7	30	35	3.6	2.1	G vitality	2
321	<i>Melaleuca linariifolia</i>	M	8	5	15	20	1.8	1.7	G vitality	2
322	<i>Melaleuca linariifolia</i>	M	6	4	15	20	1.8	1.7	G vitality	2
323	<i>Acacia longifolia</i>	M	5	4	10	15	1.2	1.5	G vitality	2
324	<i>Acacia longifolia</i>	M	5	2	15	20	1.8	1.7	G vitality	2
325	<i>Melaleuca linariifolia</i>	M	10	9	40	45	4.8	2.4	G vitality	2
326	<i>Melaleuca linariifolia</i>	M	10	5	35	40	4.2	2.3	G vitality	2
327	<i>Melaleuca linariifolia</i>	M	9	6	2 x 15	35	2.5	2.1	G vitality, bifurcated stable)	2
328	<i>Melaleuca linariifolia</i>	M	7	6	2 x 15	35	2.5	2.1	G vitality, bifurcated stable)	2

329	<i>Melaleuca linariifolia</i>	M	8	5	40	45	4.8	2.4	G vitality	2
330	<i>Acacia melanoxylon</i>	M	10	7	35	40	4.2	2.3	G vitality	2
331	<i>Melaleuca linariifolia</i>	M	8	6	2 x 15	30	2.5	2.0	G vitality	2
332	<i>Melaleuca linariifolia</i>	M	9	5	15	20	1.8	1.7	G vitality	2
333	<i>Acacia melanoxylon</i>	M	9	3	20	25	2.4	1.8	G vitality	2
334	<i>Acacia melanoxylon</i>	M	7	6	20	20	2.4	1.7	G vitality	2
335	<i>Melaleuca linariifolia</i>	M	9	5	3 x 15	40	3.1	2.3	G vitality	2
336	<i>Melaleuca linariifolia</i>	M	8	5	3 x 15	45	3.1	2.4	G vitality	2
337	<i>Melaleuca linariifolia</i>	M	9	5	2 x 15	35	2.5	2.1	G vitality, bifurcated stable)	2
338	<i>Acacia melanoxylon</i>	M	10	6	25	30	3.0	2.0	G vitality	2
339	<i>Melaleuca linariifolia</i>	M	9	4	3 x 10	30	2.1	2.0	G vitality	2
340	<i>Melaleuca linariifolia</i>	M	7	7	2 x 15	35	2.5	2.1	G vitality	2
341	<i>Melaleuca armillaris</i>	M	8	4	2 x 15	30	2.5	2.0	G vitality	2
342	<i>Melaleuca armillaris</i>	M	10	3	15	20	2.0	1.7	G vitality	2
343	<i>Melaleuca armillaris</i>	M	9	4	40	45	4.8	2.4	G vitality	2
344	<i>Melaleuca armillaris</i>	M	9	3	15	20	2.0	1.7	G vitality	2
345	<i>Melaleuca armillaris</i>	M	10	3	10	15	2.0	1.5	G vitality	2
346	<i>Melaleuca styphelioides</i>	M	9	3	10	15	2.0	1.5	G vitality	2
347	<i>Melaleuca armillaris</i>	M	8	5	4 x 10	35	2.0	2.1	G vitality	2
348	<i>Acacia melanoxylon</i>	M	10	7	35	40	4.2	2.3	G vitality	2
349	<i>Melaleuca armillaris</i>	M	7	5	4 x 15	50	3.6	2.5	G vitality	2
350	<i>Melaleuca armillaris</i>	M	6	4	2 x 15	35	2.5	2.1	G vitality	2
351	<i>Melaleuca styphelioides</i>	M	7	4	15	20	2.0	1.7	G vitality	2
352	<i>Melaleuca styphelioides</i>	M	11	5	20	20	2.4	1.7	G vitality	2
353	<i>Melaleuca styphelioides</i>	M	9	7	2 x 20	40	3.4	2.3	G vitality, bifurcated stable)	2

354	<i>Melaleuca styphelioides</i>	M	7	3	2 x 10	25	2.0	1.8	G vitality, bifurcated stable)	2
355	<i>Melaleuca styphelioides</i>	M	10	4	2 x 15	35	2.5	2.1	G vitality, bifurcated stable)	2
356	<i>Melaleuca styphelioides</i>	M	9	3	3 x 10	35	2.1	2.1	G vitality	2
357	<i>Melaleuca styphelioides</i>	M	8	4	15	20	2.0	1.7	G vitality	2
358	<i>Melaleuca styphelioides</i>	M	6	5	3 x 10	35	2.1	2.1	G vitality	2
359	<i>Acacia melanoxylon</i>	M	10	4	25	30	3.0	2.0	G vitality	2
360	<i>Acacia melanoxylon</i>	M	10	4	20	25	2.4	1.8	G vitality	2
361	<i>Melaleuca styphelioides</i>	M	9	4	2 x 10	25	2.0	1.8	G vitality	2
362	<i>Melaleuca styphelioides</i>	M	8	3	10	15	2.0	1.5	G vitality	2
363	<i>Melaleuca styphelioides</i>	M	9	5	3 x 15	40	3.1	2.3	G vitality	2
364	<i>Melaleuca styphelioides</i>	M	8	4	2 x 15	30	2.5	2.0	G vitality	2
365	<i>Melaleuca styphelioides</i>	M	6	4	15	20	2.0	1.7	G vitality	2
366	<i>Melaleuca styphelioides</i>	M	10	6	40	45	4.8	2.4	G vitality	2
367	<i>Melaleuca styphelioides</i>	M	8	4	10	15	2.0	1.5	G vitality	2
368	<i>Melaleuca styphelioides</i>	M	9	4	2 x 10	25	2.0	1.8	G vitality	2
369	<i>Melaleuca styphelioides</i>	M	8	3	3 x 10	35	2.1	2.1	G vitality	2
370	<i>Melaleuca styphelioides</i>	M	9	4	2 x 10	20	2.0	1.7	G vitality	2
371	<i>Melaleuca armillaris</i>	M	9	7	3 x 20	50	4.2	2.5	G vitality	2
372	<i>Melaleuca armillaris</i>	M	10	5	15	20	1.8	1.7	G vitality	2
373	<i>Melaleuca styphelioides</i>	M	10	4	15	20	1.8	1.7	G vitality	2
374	<i>Melaleuca linariifolia</i>	M	9	3	15	15	1.8	1.5	G vitality	2
375	<i>Melaleuca linariifolia</i>	M	5	3	10	15	1.2	1.5	G vitality	2
376	<i>Melaleuca linariifolia</i>	M	10	8	30	35	3.6	2.1	G vitality	2
377	<i>Melaleuca linariifolia</i>	M	8	5	20	25	2.4	1.8	G vitality	2

378	<i>Melaleuca linariifolia</i>	M	5	2	10	15	1.2	1.5	G vitality	2
379	<i>Melaleuca linariifolia</i>	M	5	3	2 x 10	20	2.0	1.7	G vitality	2
380	<i>Melaleuca quinquenervia</i>	M	10	5	25	30	3.0	2.0	G vitality	2
381	<i>Melaleuca styphelioides</i>	M	6	7	2 x 10	25	2.0	1.8	G vitality	2
382	<i>Melaleuca styphelioides</i>	M	9	2	10	15	2.0	1.5	G vitality	2
383	<i>Melaleuca styphelioides</i>	M	6	2	10	15	2.0	1.5	G vitality	2
384	<i>Melaleuca linariifolia</i>	M	7	6	2 x 20	40	3.4	2.3	G vitality	2
385	<i>Melaleuca linariifolia</i>	M	5	2	15	20	2.0	1.7	G vitality	2
386	<i>Melaleuca styphelioides</i>	M	9	6	30	35	3.6	2.1	G vitality	2
387	<i>Melaleuca armillaris</i>	M	9	3	10	15	2.0	1.5	G vitality	2
388	<i>Melaleuca styphelioides</i>	M	9	6	2 x 15	30	2.5	2.0	G vitality	2
389	<i>Melaleuca linariifolia</i>	M	6	2	15	20	2.0	1.7	G vitality	2
390	<i>Melaleuca armillaris</i>	M	8	5	10	15	2.0	1.5	G vitality	2
391	<i>Melaleuca armillaris</i>	M	8	5	20	25	2.4	1.8	G vitality	2
392	<i>Melaleuca armillaris</i>	M	9	5	2 x 15	30	2.5	2.0	G vitality, bifurcated stable)	2
393	<i>Melaleuca armillaris</i>	M	9	5	15	20	2.0	1.7	G vitality	2
394	<i>Melaleuca armillaris</i>	M	8	4	2 x 15	35	2.5	2.1	G vitality	2
395	<i>Melaleuca styphelioides</i>	M	6	6	3 x 15	50	3.1	2.5	G vitality	2
396	<i>Waterhousia floribunda</i>	M	8	4	15	20	2.0	1.7	G vitality	2
397	<i>Waterhousia floribunda</i>	M	8	5	15	20	2.0	1.7	G vitality	2
398	<i>Waterhousia floribunda</i>	M	8	6	2 x 15	35	2.5	2.1	G vitality	2
399	<i>Waterhousia floribunda</i>	M	7	4	2 x 10	25	2.0	1.8	G vitality	2
400	<i>Waterhousia floribunda</i>	M	5	7	15	20	1.8	1.7	G vitality	2
401	<i>Melaleuca quinquenervia</i>	M	10	11	70	75	8.4	2.9	G vitality, ST	2

402	<i>Melaleuca quinquenervia</i>	M	9	7	30	35	3.6	2.1	G vitality, ST	2
403	<i>Melaleuca quinquenervia</i>	M	11	6	70	80	8.4	3.0	G vitality, ST	2
404	<i>Melaleuca quinquenervia</i>	M	9	6	45	55	5.4	2.6	G vitality, ST	2
405	<i>Melaleuca quinquenervia</i>	M	9	4	25	30	3.0	2.0	G vitality, ST	2
406	<i>Melaleuca quinquenervia</i>	M	9	8	50	60	6.0	2.7	G vitality, ST	2
407	<i>Melaleuca quinquenervia</i>	M	9	9	45	55	5.4	2.6	G vitality, ST	2
408	<i>Melaleuca quinquenervia</i>	M	9	4	35	45	4.2	2.4	G vitality, ST	2
409	<i>Melaleuca quinquenervia</i>	M	10	5	35	45	4.2	2.4	G vitality, ST	2
410	<i>Melaleuca quinquenervia</i>	M	9	5	40	50	4.8	2.5	G vitality, ST	2
411	<i>Melaleuca quinquenervia</i>	M	9	8	40	45	4.8	2.4	G vitality, ST	2
412	<i>Melaleuca quinquenervia</i>	M	13	5	65	70	7.8	2.8	G vitality, ST	2
413	<i>Melaleuca quinquenervia</i>	M	10	11	80	85	9.6	3.1	G vitality, ST	2
414	<i>Melaleuca quinquenervia</i>	M	10	9	60	70	7.2	2.8	G vitality, ST	2
415	<i>Melaleuca quinquenervia</i>	M	8	6	40	50	4.8	2.5	G vitality, ST	2
416	<i>Melaleuca quinquenervia</i>	M	13	5	55	65	6.6	2.8	G vitality, ST	2
417	<i>Melaleuca quinquenervia</i>	M	9	6	40	45	4.8	2.4	G vitality, ST	2
418	<i>Melaleuca quinquenervia</i>	M	11	8	35	40	4.2	2.3	G vitality, ST	2
419	<i>Melaleuca quinquenervia</i>	M	9	8	55	65	6.6	2.8	G vitality, ST	2

Terms used in Tree Survey & Report:

Age Class

(Y) – **Young** refers to a well-established but juvenile tree. Less than 1/3 life expectancy

(SM) – **Semi-mature** refers to a tree at growth stages between immaturity and full size. A tree has reached First Adult Form i.e. displays adult characteristics. 1/3 to 2/3 life expectancy

(M)- **Mature** refers to a full size tree with some capacity for future growth. Older than 2/3 life expectancy

(OM) – **Over-mature** refers to a tree approaching decline or already declining. Older than 2/3 life expectancy and showing signs of irreversible decline.

Health refers to a tree's vigour, growth rate, disease and/or insects.

Vitality summarises observations about the health and structure of the tree on a scale of: **(G) Good, (F) Fair, (P) Poor & (D) Dead.**

Good: Tree is generally healthy and free from obvious signs of structural weaknesses or significant effects of pests and diseases or infection;

Fair: Tree is generally vigorous although has some indication of being adversely affected by the early effects of disease or infection or environmental or mechanical damage. Appropriate tree maintenance can usually improve overall health and halt decline;

Poor: Tree in decline and is not likely to improve with reasonable maintenance practices or has a structural fault such as bark inclusion;

Dead: Tree no longer capable of sustained growth.

Deadwood (DW) – deadwood found in canopy as a percentage.

Over Head Power Lines (OHPL) – upper canopy pruned to accommodate power lines at a given height.

Height expressed in metres refers to estimated overall height of tree.

Next Door tree (ND) – tree located in the neighbour's property.

Street Tree (ST) – tree located in Councils footpath reserve.

Spread expressed in metres refers to estimated spread of crown at the drip line.

(DBH) Diameter at Breast Height expressed in millimetres refers to the trunk diameter at 1.4 metres above ground level. Where there are multiple trunks the combined diameter has been calculated in terms of Appendix A – AS 4970 – 2009, shown in brackets.

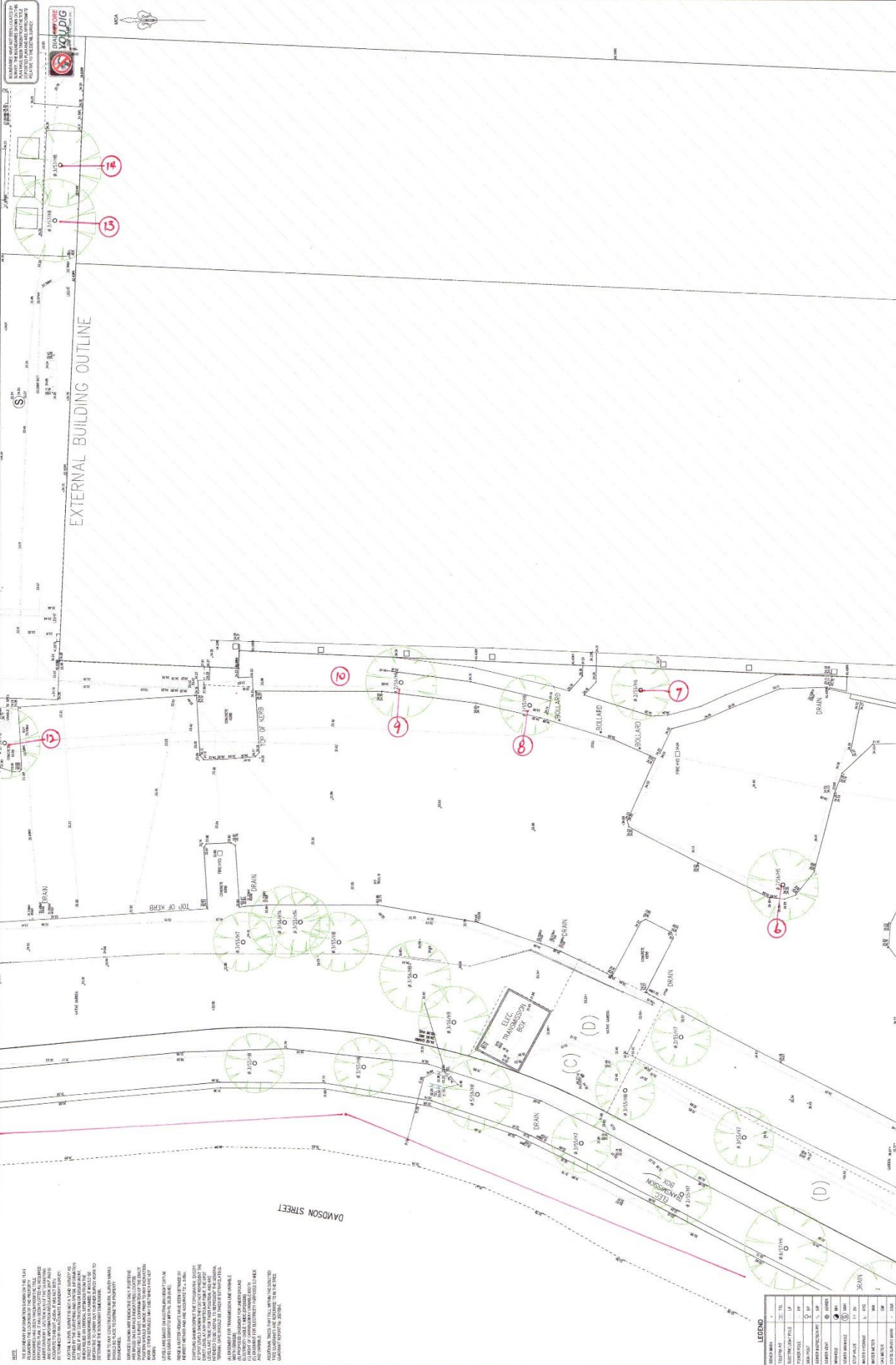
(DRB) Diameter above Root Buttress expressed in millimetres refers to the trunk diameter above root buttress.

(TPZ) Tree Protection Zone & Structural Root Zone (SRZ) as defined by AS 4970 – 2009 Section 3

(ULE) The various ULE categories indicate the useful life anticipated for an individual tree or trees assessed as a group. Factors such as the location, age, condition and vitality of the tree are significant to the determination of this rating. Other influences such as the tree's effect on better specimens and the economics of managing the tree successfully in its location are also relevant to ULE (Barrell 1993, 1995, 2001).

ULE RATING (UPDATED 1/4/01) BARRELL

<p>1.Long ULE: Trees that appear to be retainable at the time of assessment for more than 40 years with an acceptable level of risk.</p>	<p>2.Medium ULE: Trees that appear to be retainable at the time of assessment for more than 15-40 years with an acceptable level of risk.</p>	<p>3.Short ULE: Trees that appear to be retainable at the time of assessment for more than 5-15 years with an acceptable level of risk.</p>	<p>4.Remove: Trees that should be removed within the next 5 years.</p>	<p>5.Small, young or regularly pruned: Trees that can be reliably moved or replaced.</p>
(A) Structurally sound trees located in positions that can accommodate future growth	(A) Trees that may only live between 15 and 40 more years.	(A) Trees that may only live between 5 and 15 more years.	(A) Dead, dying, suppressed or declining trees because of disease or inhospitable conditions.	(A) Small trees less than 5 Metres in height.
(B) Trees that could be made suitable for retention in the long term by remedial tree care.	(B) Trees that could live for more than 40 years but may be removed for safety or nuisance reasons.	(B) Trees that could live for more than 15 years but may be removed for safety or nuisance reasons.	(B) Dangerous trees because of instability or recent loss of adjacent trees.	(B) Young trees less than 15 years old but over 5 metres in height.
(C) Trees of special significance for historical, commemorative or rarity reasons that would warrant extraordinary efforts to secure their long term retention.	(C) Trees that could live for more than 40 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.	(C) Trees that could live for more than 15 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.	(C) Dangerous trees because of structural defects including cavities, decay, included bark, wounds or poor form.	(C) Formal hedges and trees intended for regular pruning to artificially control growth.
	(D) Trees that could be made suitable for retention in the medium term by remedial tree care.	(D) Trees that require substantial remedial tree care and are only suitable for retention in the short term.	(D) Damaged trees that are clearly not safe to retain.	
			(E) Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.	
			(F) Trees that are damaging or may cause damage to existing structures within 5 years.	
			(G) Trees that will become dangerous after removal of other trees for the reasons given in (A) to (F).	
			(H) Trees in categories (A) to (G) that have a high wildlife habitat value and, with appropriate treatment, could be retained subject to regular review.	



NOTE:
 THE ENGINEER HAS CONDUCTED VISUAL SURVEYS OF THE SITE AND HAS FOUND THAT THE PROPOSED DEVELOPMENT IS IN ACCORDANCE WITH THE LOCAL GOVERNMENT'S ZONING BY-LAW. THE ENGINEER HAS NOT CONDUCTED A GEOTECHNICAL SURVEY OR FOUNDATION DESIGN. THE CLIENT IS ADVISED THAT THE PROPOSED DEVELOPMENT IS SUBJECT TO APPROVAL BY THE LOCAL GOVERNMENT AND THAT THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE DEVELOPMENT AS SHOWN ON THIS PLAN. THE CLIENT IS ADVISED THAT THE PROPOSED DEVELOPMENT IS SUBJECT TO APPROVAL BY THE LOCAL GOVERNMENT AND THAT THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE DEVELOPMENT AS SHOWN ON THIS PLAN. THE CLIENT IS ADVISED THAT THE PROPOSED DEVELOPMENT IS SUBJECT TO APPROVAL BY THE LOCAL GOVERNMENT AND THAT THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE DEVELOPMENT AS SHOWN ON THIS PLAN.

NO.	DATE	DESCRIPTION
1	25/11/2020	ISSUED FOR PERMIT
2	11/02/2021	REVISIONS TO PERMIT
3	11/02/2021	REVISIONS TO PERMIT
4	11/02/2021	REVISIONS TO PERMIT
5	11/02/2021	REVISIONS TO PERMIT

DATE	25/11/2020
PROJECT	2/24 PAVILION ROAD, CHALLINOR
CLIENT	MEST ELEGANT CONSTRUCTION SERVICES PTY LTD
SCALE	1:1000
DRAWN BY	CC
CHECKED BY	MB
SHEET	2 OF 2



TO - TOP OF OUTER	0.8551911 - 0.8617451 (M)
TO - FLOOR LEVEL	0.8551911 - 0.8617451 (M)
TO - TOP OF BANK	0.8551911 - 0.8617451 (M)
TO - TOP OF AWNING	0.8551911 - 0.8617451 (M)

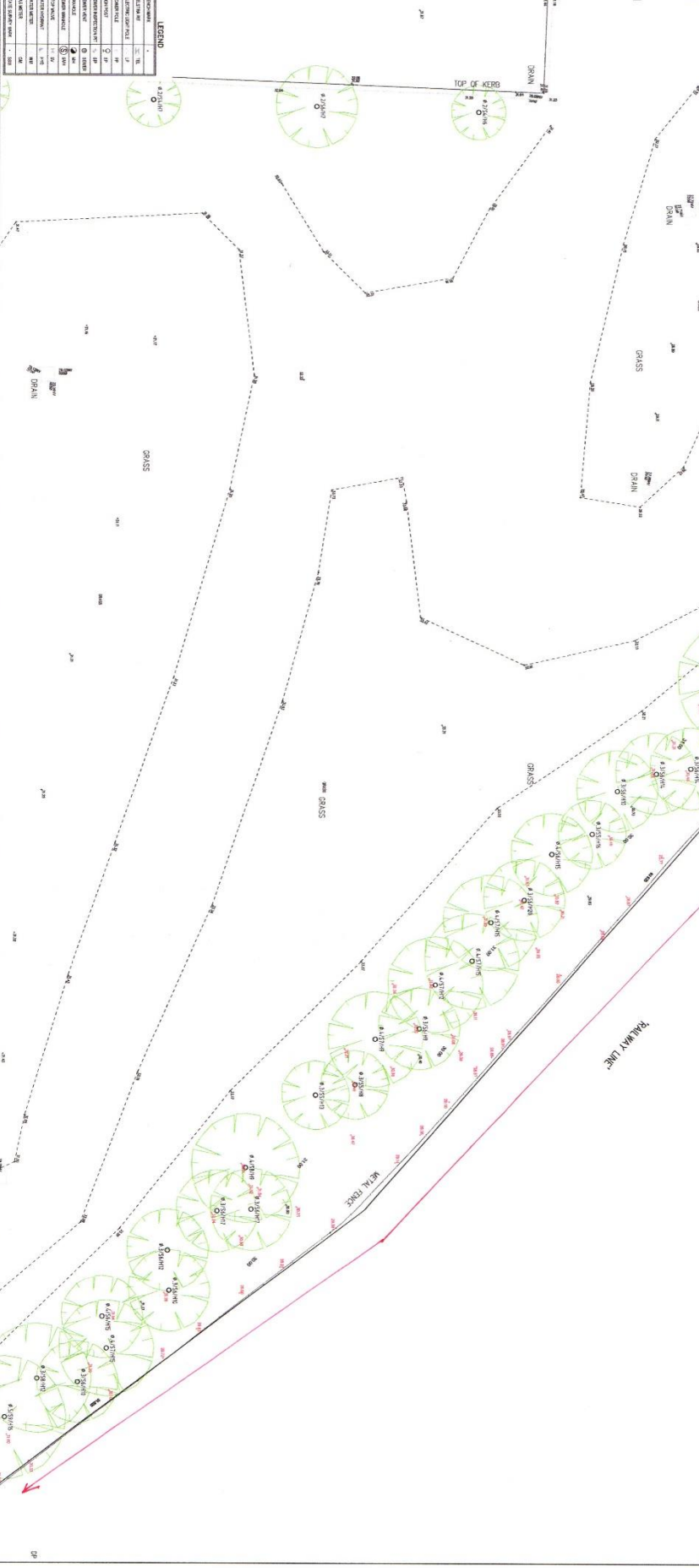
REVISION NO.	DATE	COMMENT
2	25/11/2020	ADDITIONAL STORMWATER BARRIERS ADDED AND UPDATE DRAINING
3	11/02/2021	EXTERNAL LEVELS AROUND PERIMETRY
4	11/02/2021	UPDATE SURFACES DEMONSTRATING ROOFS, GUTTERS AND AWNINGS
5	11/02/2021	ADD TREES ADJACENT TO THE SOUTHERN BOUNDARY

NOTE:
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REVISION NO.	REVISION DATE	COMMENT
1	20/11/2020	ISSUE FOR PERMIT
2	11/02/2021	ADDITIONAL STAKEOUTS FOR DRIVEWAY AND KERB LEVELS
3	11/02/2021	UPDATE LEVELS AROUND BOUNDARY
4	14/02/2021	UPDATE DRIVEWAY BOUNDARY, KERB, CUTTERS AND MANHOLE
5	15/02/2021	ADD THESE ADVANCEMENTS TO THE SOUTHERN BOUNDARY

LEGEND:
 1.000 - 1.050 - 1.100 - 1.150 - 1.200 - 1.250 - 1.300 - 1.350 - 1.400 - 1.450 - 1.500 - 1.550 - 1.600 - 1.650 - 1.700 - 1.750 - 1.800 - 1.850 - 1.900 - 1.950 - 2.000 - 2.050 - 2.100 - 2.150 - 2.200 - 2.250 - 2.300 - 2.350 - 2.400 - 2.450 - 2.500 - 2.550 - 2.600 - 2.650 - 2.700 - 2.750 - 2.800 - 2.850 - 2.900 - 2.950 - 3.000 - 3.050 - 3.100 - 3.150 - 3.200 - 3.250 - 3.300 - 3.350 - 3.400 - 3.450 - 3.500 - 3.550 - 3.600 - 3.650 - 3.700 - 3.750 - 3.800 - 3.850 - 3.900 - 3.950 - 4.000 - 4.050 - 4.100 - 4.150 - 4.200 - 4.250 - 4.300 - 4.350 - 4.400 - 4.450 - 4.500 - 4.550 - 4.600 - 4.650 - 4.700 - 4.750 - 4.800 - 4.850 - 4.900 - 4.950 - 5.000 - 5.050 - 5.100 - 5.150 - 5.200 - 5.250 - 5.300 - 5.350 - 5.400 - 5.450 - 5.500 - 5.550 - 5.600 - 5.650 - 5.700 - 5.750 - 5.800 - 5.850 - 5.900 - 5.950 - 6.000 - 6.050 - 6.100 - 6.150 - 6.200 - 6.250 - 6.300 - 6.350 - 6.400 - 6.450 - 6.500 - 6.550 - 6.600 - 6.650 - 6.700 - 6.750 - 6.800 - 6.850 - 6.900 - 6.950 - 7.000 - 7.050 - 7.100 - 7.150 - 7.200 - 7.250 - 7.300 - 7.350 - 7.400 - 7.450 - 7.500 - 7.550 - 7.600 - 7.650 - 7.700 - 7.750 - 7.800 - 7.850 - 7.900 - 7.950 - 8.000 - 8.050 - 8.100 - 8.150 - 8.200 - 8.250 - 8.300 - 8.350 - 8.400 - 8.450 - 8.500 - 8.550 - 8.600 - 8.650 - 8.700 - 8.750 - 8.800 - 8.850 - 8.900 - 8.950 - 9.000 - 9.050 - 9.100 - 9.150 - 9.200 - 9.250 - 9.300 - 9.350 - 9.400 - 9.450 - 9.500 - 9.550 - 9.600 - 9.650 - 9.700 - 9.750 - 9.800 - 9.850 - 9.900 - 9.950 - 10.000



PLAN SHOWING DETAIL & LEVELS
 OVER LOT 1 IN P1022485
 CLIENT: NORTHERN DEVELOPMENT SERVICES PTY LTD
 PROJECT: CHALLOW
 ADDRESS: 284 DIVISION ROAD, CHALLOW

JOB NO.	202119
DATE	20/11/2020
SCALE	1:1000
SHEET	3 OF 3



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LEGEND:

SYMBOL	DESCRIPTION
(Symbol)	RETAINING WALL
(Symbol)	CONCRETE BLOCK RETAINING WALL
(Symbol)	METAL FENCE
(Symbol)	METAL BUILDING
(Symbol)	LEVEL MARKER
(Symbol)	DRAIN
(Symbol)	BOLLARD
(Symbol)	RAMP
(Symbol)	STAIRS
(Symbol)	BUILDING OUTLINE

REVISIONS:

NO.	DATE	DESCRIPTION
1	20/10/20	INITIAL DESIGN
2	15/11/20	REVISED DESIGN
3	05/12/20	FINAL DESIGN
4	10/01/21	ADJUSTMENTS
5	15/02/21	FINAL APPROVAL

CLIENT: [Name]
PROJECT: [Name]
ADDRESS: [Address]
SCALE: 1:100
DATE: 20/10/20
DRAWN BY: [Name]
CHECKED BY: [Name]

PLAN SHOWING DETAIL & LEVELS
OVER LOT 1 IN DP 1022486
CLIENT: NEXT LEVEL UP CONSTRUCTION SERVICES PTY LTD
PROJECT: CHALLORA
ADDRESS: 24 SANDHURST ROAD, CHALLORA
SCALE: 1:100
DATE: 20/10/20
DRAWN BY: [Name]
CHECKED BY: [Name]

LEGEND:

(Symbol)	TO - TOP OF BUTTER
(Symbol)	FL - FLOOR LEVEL
(Symbol)	FIN - FINISH LEVEL
(Symbol)	FIN - FINISH LEVEL (PT)
(Symbol)	0.65 (10% - DIAMETER) PRELIMINARY

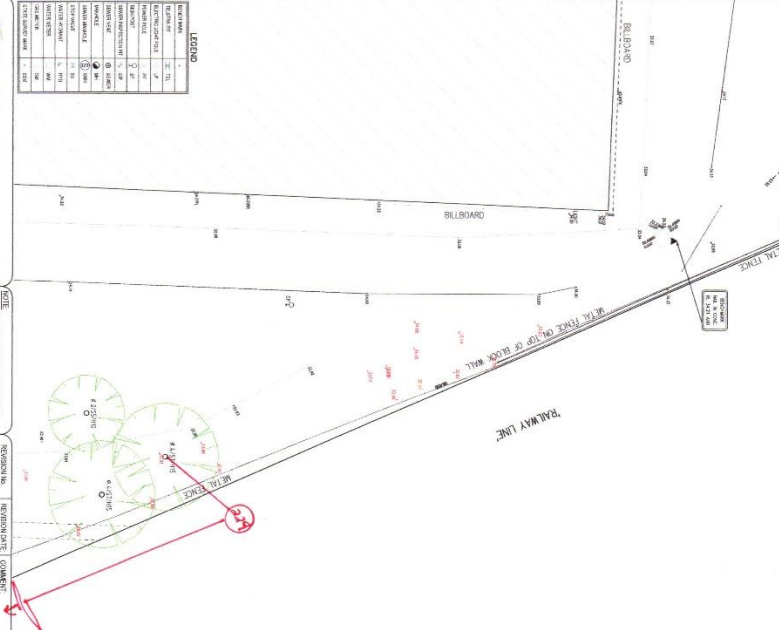
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1:100

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NOTATION CONTAINED IN THE PLAN EQUIPMENT, THE USE OF EQUIPMENT WITHOUT THE WRITTEN CONSENT OF TSS TOTAL SURVEYING SOLUTIONS IS PROHIBITED.

REVISION NO.	REVISION DATE	COMMENTS
1	2017/02/01	INITIAL DESIGN AND LAYOUT
2	2017/02/01	ADDITIONAL DIMENSIONS AND LAYOUT
3	2017/02/01	ADDITIONAL DIMENSIONS AND LAYOUT
4	2017/02/01	ADDITIONAL DIMENSIONS AND LAYOUT
5	2017/02/01	ADDITIONAL DIMENSIONS AND LAYOUT

ES: EDGE OF SURFACE
 EC: EDGE OF CURB
 BE: BOTTOM OF BANK
 TO: TOP OF SURFACE
 TO: TOP OF CURB
 TO: TOP OF BANK
 TO: TOP OF SURFACE
 TO: TOP OF CURB
 TO: TOP OF BANK



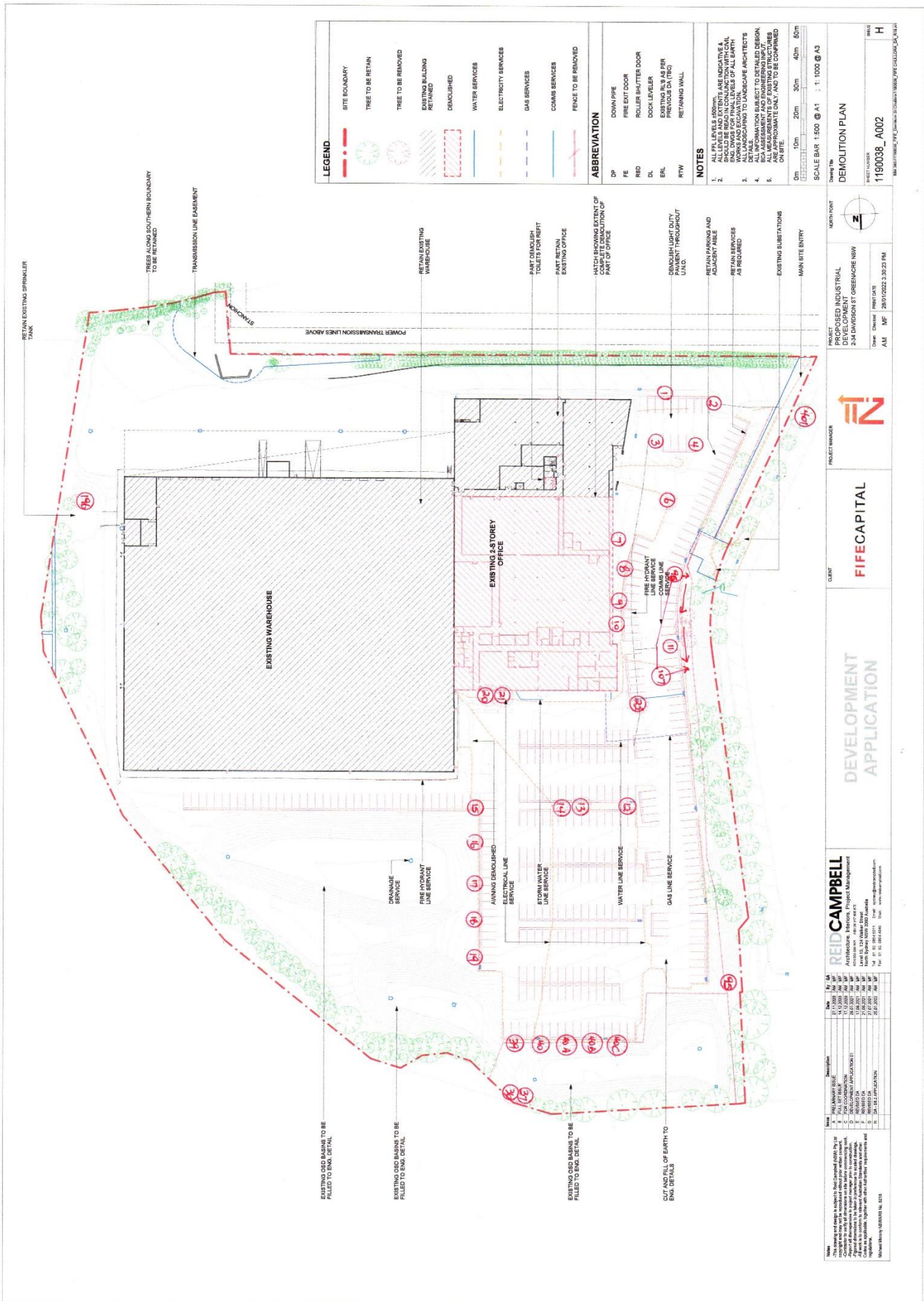
PLAN SURVEYING DETAILS & LEVELS
 CLIENT: METRO CITY DEVELOPMENTS
 PROJECT: CHALSON
 ADDRESS: 231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

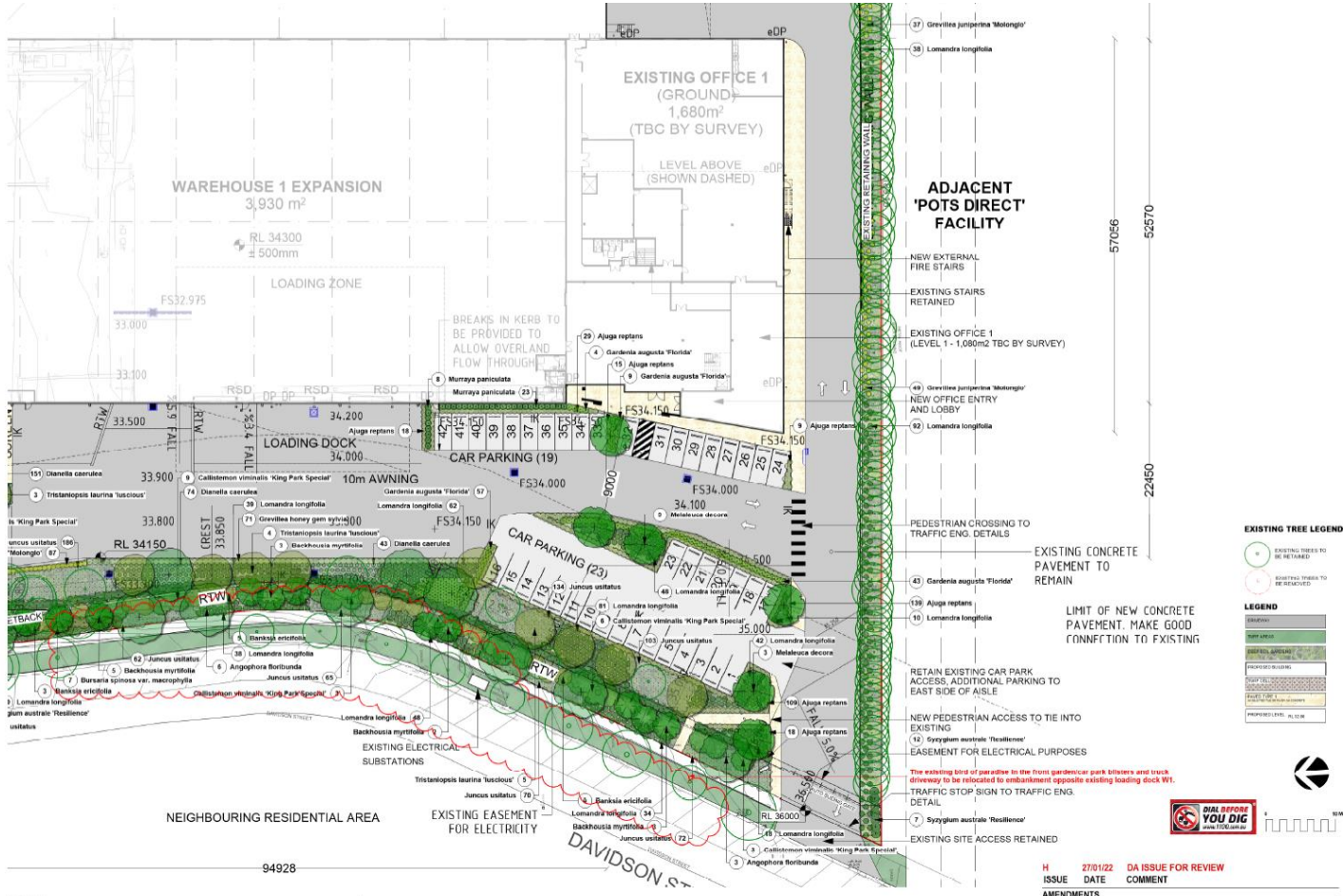
DATE: 2017/02/01
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 SCALE: 1:100
 SHEET NO. 1 OF 2



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Annexure C: Tree impact plans





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CENTRAL COAST STUDIO
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 t 1300 22 44 55
 info@sdstudios.com.au
 www.sdstudios.com.au

Project PROPOSED INDUSTRIAL DEVELOPMENT
Address DAVIDSON ST, GREENACRE, NSW
Drawing Title DETAIL PLAN 1

Date 27/01/2022
Scale 1:250@A1
Drawing No. 1337

Page L-02 H



EXISTING TREE LEGEND



LEGEND



ISSUE	DATE	DA ISSUE FOR REVIEW
H	27/01/22	DA ISSUE FOR REVIEW
		AMENDMENTS

GENERAL NOTES

1. All works to be carried out in accordance with the Building Code of Australia, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

2. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

3. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

4. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

5. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

6. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

7. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

8. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

9. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

10. All works to be carried out in accordance with the Engineering Standards, the Environmental Planning and Assessment Act 1979 and the Environmental Planning and Assessment Regulation 2007.

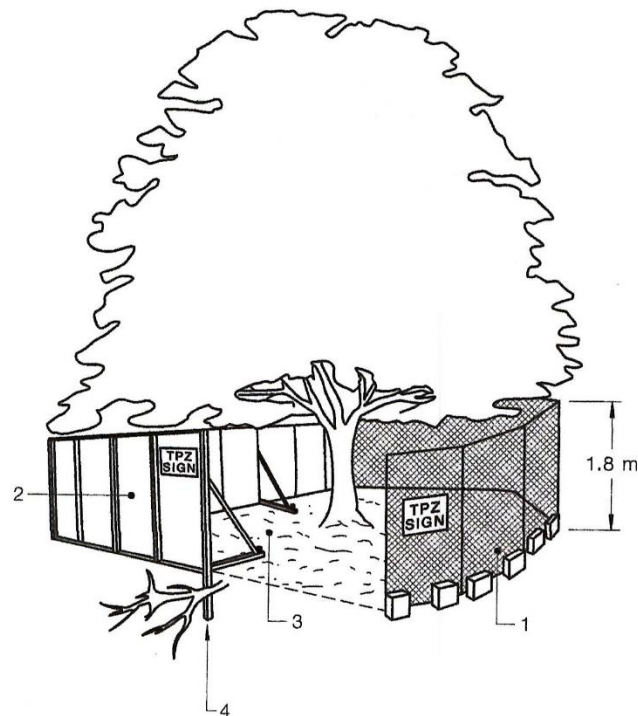
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CENTRAL COAST STUDIO
 PO Box 312 Terrigal NSW 2260
 p 1300 22 44 55
 info@ststudios.com.au
 www.ststudios.com.au

Project	PROPOSED INDUSTRIAL DEVELOPMENT
Address	DAVIDSON ST, GREENACRE, NSW
Drawing Title	DETAIL PLAN 3
Date	27/01/2022
Scale	1:200@A1
Drawing No.	1337

Page
L-04 H

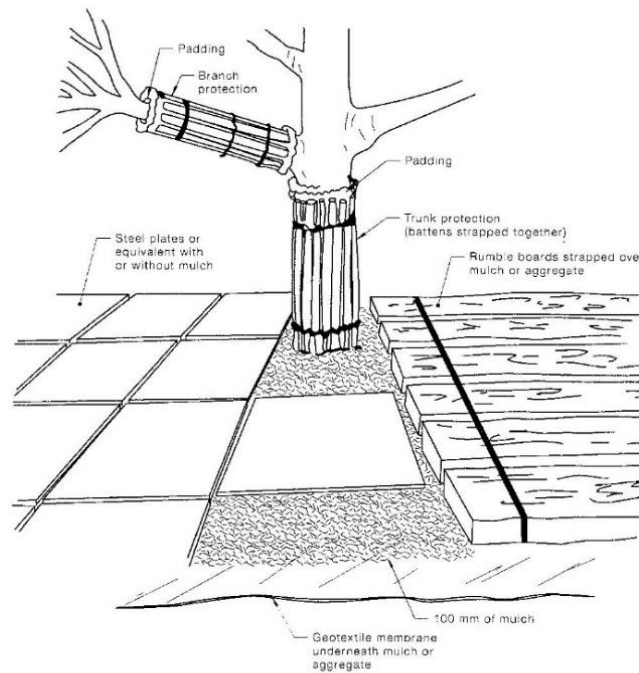
Annexure D: Tree protection details



LEGEND:

- 1 Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet.
- 2 Alternative plywood or wooden piling fence panels. This fencing material also prevents building materials or soil entering the TPZ.
- 3 Mulch installation across surface of TPZ (at the discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ.
- 4 Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

FIGURE 3 PROTECTIVE FENCING



NOTES:

- 1 For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
- 2 Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

FIGURE 4 EXAMPLES OF TRUNK, BRANCH AND GROUND PROTECTION