Birds Tree Consultancy

Consulting Arborist AQF5 • Horticultural Consultancy • Project Management • Resistograph Testing

ARBORICULTURAL DEVELOPMENT IMPACT ASSESSMENT REPORT

Bankstown Golf Club NSW

REVISION B

7th September 2019

Prepared for
Hampton Property Services Pty Ltd

Prepared by

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Executive Summary

This Arboricultural Development Impact Assessment Report has been commissioned by Hampton Property Services Pty Ltd to report on trees within the site of Bankstown Golf Club NSW. It has been commissioned to outline the health, condition and stability of these trees as well as their viability for retention. The scope of this report includes all trees within areas that may be impacted by the proposed development.

The subject trees are preserved by Canterbury Council Tree Preservation Order under Part B11 of Bankstown Council Development Control Plan 2013.

Trees 14 and 15 are in poor and declining condition and are recommended for removal.

Tree 51 has decay and cavity within the trunk which places this tree at increased risk of failure. In consideration of the future development and the increased number of targets and therefore increased hazard posed, this tree is recommended for removal.

The Tree Protetion Zones (TPZ) of all of the subject trees with the exception of Trees 81 and 82, are encroached by the proposed construction and required earthworks by a major encroachment as defined by *AS4970-2009 Protection of Trees on Development Sites.* These trees will not be viable to be retained and will be required to be removed due to the proposed development. There was no survey provided for this report and this Development Impact Assessment has been made on the basis of the location of the subject trees being approximated by aerial photographs and site location.

Trees 81 and 82 are viable to be retained and protected in accordance with Section 8.0.

There is decay and borer damage within the southern co-dominant trunk of tree 19. We recommend that this co-dominant trunk be removed.

Recommendations for tree retention or removal are summarised as follows:

Tree no.	Species	Recommendations	Comments
1.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
2.	*Eucalyptus tereticornis*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
3.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
4.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

5.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
6.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
7.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
8.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
9.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
10.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
11.	*Eucalyptus tereticornis*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
12.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
13.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
14.	*Eucalyptus moluccana*	Remove	Poor and declining condition. Bark inclusion. Extensive decay at base of trunk. Swelling indicative of decay throughout trunk.
15.	*Eucalyptus moluccana*	Remove	Poor and declining condition.
16.	*Eucalyptus tereticornis*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
17.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
18.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
19.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

20.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
21.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
22.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
23.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
24.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
25.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
26.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
27.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
28.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
29.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
30.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
31.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
32.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
33.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
34.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

35.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
36.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
37.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
38.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
39.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
40.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
41.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
42.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
43.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
44.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
45.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
46.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
47.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
48.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
49.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

50.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
51.	*Eucalyptus moluccana*	Remove	Unbalanced canopy overhanging car park. Significant decay at base. Cambium damaged to 80% of trunk. Cracking visible on tension side of trunk.
52.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
53.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
54.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
55.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
56.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
57.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
58.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
59.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
60.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
61.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
62.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
63.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

64.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
65.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
66.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
67.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
68.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
69.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
70.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
71.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
72.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
73.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
74.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
75.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
76.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
77.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
78.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

79.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
80.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
81.	*Eucalyptus moluccana*	Retain	
82.	*Eucalyptus moluccana*	Retain	

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1.0 Scope of Works

This Arboricultural Development Impact Assessment Report has been commissioned by Hampton Property Services Pty Ltd to report on trees within the site of Bankstown Golf Club NSW at 70 Ashford Avenue Milperra NSW. It has been commissioned to outline the health, condition and stability of these trees as well as their viability for retention. The scope of this report includes all trees within areas that may be impacted by the proposed development.

No survey has been provided for this report and the location of the subject trees is approximate and derived from aerial photographs and site location.

On the 17th of May 2019, Glenn Bird of Birds Tree Consultancy attended site and inspected the subject trees from the ground. There was no aerial inspection carried out. A Visual Tree Assessment was undertaken in accordance with Visual Tree Assessment (VTA) guidelines (Mattheck and Breloer, 1994). Tree heights were measured using a Nikon Forestry 550 Heightmeter.

2.0 Site Analysis

2.1 Site

The subject site is Bankstown Golf Club NSW. This site is proposed for redevelopment involving the construction of a Seniors Living Development. This re-development is defined within Altis Architecture Drawings dated April 2019. The subject trees are located within or adjacent to the boundaries of this site.

2.2 Topography

The site is flat. The area in the vicinity of all trees is flat. Refer to survey for greater details of levels.

2.3 Identification

Trees are as identified in the attached inspection forms in Appendix C and shown in Tree location Plan A01 in Appendix D.

2.4 Soils

Soil material and horizons were not tested for this report.

3.0 Existing Trees

The following trees were inspected from the ground and the following items identified. Please refer also to the attached inspection data in Appendix C.

3.1 Tree 1. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 12m. It has a single trunk with a diameter at breast height (DBH) of 670mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.2 Tree 2. *Eucalyptus tereticornis*

This mature tree is approximately 26m tall with a canopy spread of 11m. It has a single trunk with a DBH of 810mm. This tree is in fair health and condition with a thinning canopy, moderate deadwood and minimal epicormic growth. There is evidence of swelling indicative of extensive decay.

3.3 Tree 3. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 13m. It has a single trunk with a DBH of 750mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.4 Tree 4. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 13m. It has a single trunk with a DBH of 660mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.5 Tree 5. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 13m. It has a single trunk with a DBH of 530mm. This tree is in good health and condition with minimal deadwood and epicormic growth. There is a wound at the base of the trunk which appears to be well compartmentalized.

3.6 Tree 6. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 12m. It has a single trunk with a DBH of 555mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.7 Tree 7. *Eucalyptus moluccana*

This mature tree is approximately 22m tall with a canopy spread of 9m. It has a single trunk with a DBH of 335mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.8 Tree 8. *Eucalyptus moluccana*

This mature tree is located on the neighbouring property and it is approximately 19m tall with a canopy spread of 9m. It has a single trunk with a DBH of 300mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.9 Tree 9. *Eucalyptus moluccana*

This mature tree is approximately 18m tall with a canopy spread of 10m. It has a single trunk with a DBH of 400mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.10 Tree 10. *Eucalyptus moluccana*

This mature tree is approximately 15m tall with a canopy spread of 11m. It has a single trunk with a DBH of 380mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.11 Tree 11. *Eucalyptus tereticornis*

This mature tree is approximately 19m tall with a canopy spread of 8m. It has a single trunk with a DBH of 400mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.12 Tree 12. *Eucalyptus moluccana*

This mature tree is approximately 24m tall with a canopy spread of 14m. It has twin co-dominant trunks from the base with an aggregate DBH of 680mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.13 Tree 13. *Eucalyptus moluccana*

This mature tree is approximately 17m tall with a canopy spread of 8m. It has a single trunk with a DBH of 260mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.14 Tree 14. *Eucalyptus moluccana*

This mature tree is approximately 14m tall with a canopy spread of 8m. It has twin co-dominant trunks from the base with an aggregate DBH of 500mm. This tree is in poor health and declining condition with a sparse canopy, significant deadwood and significant epicormic growth. There is evidence of a bark inclusion and extensive decay at base of trunk. The swelling present is indicative of this decay extending throughout the trunk. In the absence of further investigation by means of Resistograph testing, this tree is recommended for removal.

3.15 Tree 15. *Eucalyptus moluccana*

This mature tree is approximately 20m tall with a canopy spread of 11m. It has a single trunk with a DBH of 470mm. This tree is in poor health and declining condition with a sparse canopy, significant deadwood and significant epicormic growth. This tree is recommended for removal.

3.16 Tree 16. *Eucalyptus tereticornis*

This mature tree is approximately 23m tall with a canopy spread of 12m. It has a single trunk with a DBH of 470mm. This tree is in fair health and condition with a thinning canopy, moderate deadwood and minimal epicormic growth.

3.17 Tree 17. *Eucalyptus moluccana*

This mature tree is approximately 25m tall with a canopy spread of 8m. It has a single trunk with a DBH of 300mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.18 Tree 18. *Eucalyptus moluccana*

This mature tree is approximately 21m tall with a canopy spread of 14m. It has a single trunk with a DBH of 490mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.19 Tree 19. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 15m. It has twin co-dominant trunks from the base with an aggregate DBH of 600mm. This tree is in good health and condition with minimal deadwood and epicormic growth. There is evidence of significant decay and borer infestation at the base of the southern trunk. We recommend the removal of this trunk.

Figure 1 - Decay within co-dominant trunk

3.20 Tree 20. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 14m. It has a single trunk with a DBH of 530mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.21 Tree 21. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 10m. It has a single trunk with a DBH of 300mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.22 Tree 22. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 11m. It has a single trunk with a DBH of 300mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.23 Tree 23. *Eucalyptus moluccana*

This mature tree is approximately 25m tall with a canopy spread of 15m. It has a single trunk with a DBH of 560mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.24 Tree 24. *Eucalyptus moluccana*

This mature tree is approximately 15m tall with a canopy spread of 14m. It has a single trunk with a DBH of 320mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.25 Tree 25. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 14m. It has a single trunk with a DBH of 540mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.26 Tree 26. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 16m. It has a single trunk with a DBH of 520mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.27 Tree 27. *Eucalyptus moluccana*

This mature tree is approximately 25m tall with a canopy spread of 20m. It has twin co-dominant trunks from the base with an aggregate DBH of 860mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.28 Tree 28. *Eucalyptus moluccana*

This mature tree is approximately 11m tall with a canopy spread of 8m. It has a single trunk with a DBH of 250mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.29 Tree 29. *Eucalyptus moluccana*

This mature tree is approximately 18m tall with a canopy spread of 9m. It has twin co-dominant trunks from the base with an aggregate DBH of 430mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.30 Tree 30. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 12m. It has a single trunk with a DBH of 550mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.31 Tree 31. *Eucalyptus moluccana*

This mature tree is approximately 19m tall with a canopy spread of 9m. It has a single trunk with a DBH of 330mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.32 Tree 32. *Eucalyptus moluccana*

This mature tree is approximately 32m tall with a canopy spread of 14m. It has a single trunk with a DBH of 560mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.33 Tree 33. *Eucalyptus moluccana*

This mature tree is approximately 24m tall with a canopy spread of 6m. It has a single trunk with a DBH of 200mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.34 Tree 34. *Eucalyptus moluccana*

This mature tree is approximately 14m tall with a canopy spread of 6m. It has a single trunk with a DBH of 170mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.35 Tree 35. *Eucalyptus moluccana*

This mature tree is approximately 31m tall with a canopy spread of 16m. It has a single trunk with a DBH of 570mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.36 Tree 36. *Eucalyptus moluccana*

This mature tree is approximately 18m tall with a canopy spread of 15m. It has a single trunk with a DBH of 430mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.37 Tree 37. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 14m. It has a single trunk with a DBH of 740mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.38 Tree 38. *Eucalyptus moluccana*

This mature tree is approximately 24m tall with a canopy spread of 6m. It has a single trunk with a DBH of 260mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.39 Tree 39. *Eucalyptus moluccana*

This mature tree is approximately 25m tall with a canopy spread of 12m. It has a single trunk with a DBH of 420mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.40 Tree 40. *Eucalyptus moluccana*

This mature tree is approximately 22m tall with a canopy spread of 18m. It has a single trunk with a DBH of 490mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.41 Tree 41. *Eucalyptus moluccana*

This mature tree is approximately 21m tall with a canopy spread of 9m. It has a single trunk with a DBH of 390mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.42 Tree 42. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 12m. It has a single trunk with a DBH of 380mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.43 Tree 43. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 12m. It has a single trunk with a DBH of 390mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.44 Tree 44. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 10m. It has a single trunk with a DBH of 290mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.45 Tree 45. *Eucalyptus moluccana*

This mature tree is approximately 24m tall with a canopy spread of 9m. It has a single trunk with a DBH of 230mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.46 Tree 46. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 16m. It has a single trunk with a DBH of 480mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.47 Tree 47. *Eucalyptus moluccana*

This mature tree is approximately 19m tall with a canopy spread of 13m. It has a single trunk with a DBH of 310mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.48 Tree 48. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 11m. It has a single trunk with a DBH of 520mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.49 Tree 49. *Eucalyptus moluccana*

This mature tree is approximately 24m tall with a canopy spread of 14m. It has a single trunk with a DBH of 590mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.50 Tree 50. *Eucalyptus moluccana*

This mature tree is approximately 17m tall with a canopy spread of 10m. It has twin co-dominant trunks from the base with an aggregate DBH of

400mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.51 Tree 51. *Eucalyptus moluccana*

This mature tree is approximately 18m tall with a canopy spread of 10m. It has a single trunk with a DBH of 420mm. This tree is in good health and condition with minimal deadwood and epicormic growth. The canopy is unbalanced to the south and overhanging the car park. There is evidence of significant decay at base. The cambium is damaged to approximately 80% of the circumference of the trunk. There is cracking visible on the tension side of the trunk. This tree is recommended for removal.

Figure 2 - cracking within the wound on Tree 51

3.52 Tree 52. *Eucalyptus moluccana*

This mature tree is approximately 20m tall with a canopy spread of 8m. It has a single trunk with a DBH of 250mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.53 Tree 53. *Eucalyptus moluccana*

This mature tree is approximately 15m tall with a canopy spread of 8m. It has a single trunk with a DBH of 245mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.54 Tree 54. *Eucalyptus moluccana*

This mature tree is approximately 15m tall with a canopy spread of 8m. It has a single trunk with a DBH of 200mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.55 Tree 55. *Eucalyptus moluccana*

This mature tree is approximately 23m tall with a canopy spread of 14m. It has a single trunk with a DBH of 530mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.56 Tree 56. *Eucalyptus moluccana*

This mature tree is approximately 21m tall with a canopy spread of 9m. It has a single trunk with a DBH of 290mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.57 Tree 57. *Eucalyptus moluccana*

This mature tree is approximately 22m tall with a canopy spread of 15m. It has a single trunk with a DBH of 600mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.58 Tree 58. *Eucalyptus moluccana*

This mature tree is approximately 18m tall with a canopy spread of 9m. It has a single trunk with a DBH of 380mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.59 Tree 59. *Eucalyptus moluccana*

This mature tree is approximately 26m tall with a canopy spread of 17m. It has a single trunk with a DBH of 730mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.60 Tree 60. *Eucalyptus moluccana*

This mature tree is approximately 22m tall with a canopy spread of 17m. It has a single trunk with a DBH of 750mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.61 Tree 61. *Eucalyptus moluccana*

This mature tree is approximately 7.5m tall with a canopy spread of 6m. It has a single trunk with a DBH of 360mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.62 Tree 62. *Eucalyptus moluccana*

This mature tree is approximately 9m tall with a canopy spread of 8m. It has a single trunk with a DBH of 380mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.63 Tree 63. *Melaleuca linarifolia*

This mature tree is approximately 12m tall with a canopy spread of 8m. It has a single trunk with a DBH of 600mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.64 Tree 64. *Melaleuca linarifolia*

This mature tree is approximately 12m tall with a canopy spread of 6m. It has a single trunk with a DBH of 400mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.65 Tree 65. *Eucalyptus moluccana*

This mature tree is approximately 10m tall with a canopy spread of 7m. It has twin co-dominant trunks from the base with an aggregate DBH of 460mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.66 Tree 66. *Melaleuca linarifolia*

This mature tree is approximately 11m tall. It has a single trunk with a DBH of 470mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.67 Tree 67. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has twin co-dominant trunks from the base with an aggregate DBH of 540mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.68 Tree 68. *Melaleuca linarifolia*

This mature tree is approximately 10m tall. It has twin co-dominant trunks from the base with an aggregate DBH of 600mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.69 Tree 69. *Melaleuca linarifolia*

This mature tree is approximately 10m tall. It has a single trunk with a DBH of 380mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.70 Tree 70. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has a single trunk with a DBH of 450mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.71 Tree 71. *Melaleuca linarifolia*

This mature tree is approximately 12m tall with a canopy spread of 5m. It has a single trunk with a DBH of 300mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.72 Tree 72. *Melaleuca linarifolia*

This mature tree is approximately 11m tall with a canopy spread of 5m. It has a single trunk with a DBH of 280mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.73 Tree 73. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has a single trunk with a DBH of 410mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.74 Tree 74. *Melaleuca linarifolia*

This mature tree is approximately 12m tall with a canopy spread of 6m. It has a single trunk with a DBH of 340mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.75 Tree 75. *Melaleuca linarifolia*

This mature tree is approximately 11m tall with a canopy spread of 5m. It has a single trunk with a DBH of 300mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.76 Tree 76. *Melaleuca linarifolia*

This mature tree is approximately 11m tall with a canopy spread of 8m. It has twin co-dominant trunks from the base with an aggregate DBH of 360mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.77 Tree 77. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has a single trunk with a DBH of 330mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.78 Tree 78. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has a single trunk with a DBH of 310mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.79 Tree 79. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has a single trunk with a DBH of 190mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.80 Tree 80. *Melaleuca linarifolia*

This mature tree is approximately 12m tall. It has a single trunk with a DBH of 360mm. This tree is in poor health and condition with a sparse canopy, significant deadwood and minimal epicormic growth.

3.81 Tree 81. *Eucalyptus moluccana*

This mature tree is approximately 17m tall with a canopy spread of 11m. It has a single trunk with a DBH of 610mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.82 Tree 82. *Eucalyptus moluccana*

This mature tree is approximately 14m tall with a canopy spread of 9m. It has a single trunk with a DBH of 552mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

4.0 Landscape Significance of Trees

4.1 Landscape Significance

The significance of a tree within the landscape is a factor of the health and condition of the tree, vitality, the form of the tree, environmental, cultural, amenity and heritage value.

4.2 Methodology of Determining Landscape Significance

For the purpose of this report, the Significance of a Tree, Assessment Rating System (STARS) as developed by the Institute of Australian Consulting Arborists (IACA) has been implemented. Please refer to Appendix A for greater detail of this assessment system. This system defines Landscape Significance for individual trees as High, Medium or Low Significance.

4.3 Landscape Significance of Subject Trees

Based on our assessment of the subject trees and implementation of the IACA Significance of a Tree, Assessment Rating System, the Landscape Significance of the Subject Trees was determined as shown in Table 1

Tree no.	Species	Landscape Significance
1.	*Eucalyptus moluccana*	High
2.	*Eucalyptus tereticornis*	Moderate
3.	*Eucalyptus moluccana*	High
4.	*Eucalyptus moluccana*	High
5.	*Eucalyptus moluccana*	High
6.	*Eucalyptus moluccana*	High
7.	*Eucalyptus moluccana*	High
8.	*Eucalyptus moluccana*	High
9.	*Eucalyptus moluccana*	High
10.	*Eucalyptus moluccana*	High
11.	*Eucalyptus tereticornis*	High
12.	*Eucalyptus moluccana*	High
13.	*Eucalyptus moluccana*	High
14.	*Eucalyptus moluccana*	Low
15.	*Eucalyptus moluccana*	Moderate
16.	*Eucalyptus tereticornis*	High
17.	*Eucalyptus moluccana*	High
18.	*Eucalyptus moluccana*	High
19.	*Eucalyptus moluccana*	High

20.	*Eucalyptus moluccana*	High
21.	*Eucalyptus moluccana*	High
22.	*Eucalyptus moluccana*	High
23.	*Eucalyptus moluccana*	High
24.	*Eucalyptus moluccana*	High
25.	*Eucalyptus moluccana*	High
26.	*Eucalyptus moluccana*	High
27.	*Eucalyptus moluccana*	High
28.	*Eucalyptus moluccana*	High
29.	*Eucalyptus moluccana*	High
30.	*Eucalyptus moluccana*	High
31.	*Eucalyptus moluccana*	High
32.	*Eucalyptus moluccana*	High
33.	*Eucalyptus moluccana*	High
34.	*Eucalyptus moluccana*	High
35.	*Eucalyptus moluccana*	High
36.	*Eucalyptus moluccana*	High
37.	*Eucalyptus moluccana*	High
38.	*Eucalyptus moluccana*	High
39.	*Eucalyptus moluccana*	High
40.	*Eucalyptus moluccana*	High
41.	*Eucalyptus moluccana*	High
42.	*Eucalyptus moluccana*	High
43.	*Eucalyptus moluccana*	High
44.	*Eucalyptus moluccana*	High
45.	*Eucalyptus moluccana*	High
46.	*Eucalyptus moluccana*	High
47.	*Eucalyptus moluccana*	High
48.	*Eucalyptus moluccana*	High
49.	*Eucalyptus moluccana*	High
50.	*Eucalyptus moluccana*	High
51.	*Eucalyptus moluccana*	Moderate
52.	*Eucalyptus moluccana*	High
53.	*Eucalyptus moluccana*	High
54.	*Eucalyptus moluccana*	High
55.	*Eucalyptus moluccana*	High
56.	*Eucalyptus moluccana*	High
57.	*Eucalyptus moluccana*	High
58.	*Eucalyptus moluccana*	High
59.	*Eucalyptus moluccana*	High
60.	*Eucalyptus moluccana*	High
61.	*Eucalyptus moluccana*	High
62.	*Eucalyptus moluccana*	High
63.	*Melaleuca linarifolia*	High

64.	*Melaleuca linarifolia*	High
65.	*Eucalyptus moluccana*	High
66.	*Melaleuca linarifolia*	High
67.	*Melaleuca linarifolia*	High
68.	*Melaleuca linarifolia*	High
69.	*Melaleuca linarifolia*	High
70.	*Melaleuca linarifolia*	High
71.	*Melaleuca linarifolia*	High
72.	*Melaleuca linarifolia*	High
73.	*Melaleuca linarifolia*	High
74.	*Melaleuca linarifolia*	High
75.	*Melaleuca linarifolia*	High
76.	*Melaleuca linarifolia*	High
77.	*Melaleuca linarifolia*	High
78.	*Melaleuca linarifolia*	High
79.	*Melaleuca linarifolia*	High
80.	*Melaleuca linarifolia*	Low
81.	*Eucalyptus moluccana*	High
82.	*Eucalyptus moluccana*	High

Table 1 - Landscape Significance

5.0 Subject Tree Retention Value

5.1 Tree Retention Value Methodology

For the purpose of this report, the Tree Retention Values have been assessed by incorporating Landscape Significance Values as determined in 4.0 with the Useful Life Expectancy of the subject trees and assessing the retention values based on the Tree Retention Value Priority Matrix as developed by the Institute of Australian Consulting Arborists (IACA). Please refer to Appendix B for greater detail of this Tree Retention Value Priority Matrix. This matrix defines Landscape Significance for individual trees as High, Medium or Low Retention Value as well as Priority for Removal.

5.2 Retention Value of Subject Trees

Based on our assessment of the subject trees and implementation of the IACA Tree Retention Value Priority Matrix, the Retention Values of the Subject Trees were determined as shown in Table 2

Tree no.	Species	Retention Value
1.	*Eucalyptus moluccana*	High
2.	*Eucalyptus tereticornis*	Moderate
3.	*Eucalyptus moluccana*	High
4.	*Eucalyptus moluccana*	High

5.	*Eucalyptus moluccana*	High
6.	*Eucalyptus moluccana*	High
7.	*Eucalyptus moluccana*	High
8.	*Eucalyptus moluccana*	High
9.	*Eucalyptus moluccana*	High
10.	*Eucalyptus moluccana*	High
11.	*Eucalyptus tereticornis*	High
12.	*Eucalyptus moluccana*	High
13.	*Eucalyptus moluccana*	High
14.	*Eucalyptus moluccana*	Low
15.	*Eucalyptus moluccana*	Low
16.	*Eucalyptus tereticornis*	High
17.	*Eucalyptus moluccana*	High
18.	*Eucalyptus moluccana*	High
19.	*Eucalyptus moluccana*	High
20.	*Eucalyptus moluccana*	High
21.	*Eucalyptus moluccana*	High
22.	*Eucalyptus moluccana*	High
23.	*Eucalyptus moluccana*	High
24.	*Eucalyptus moluccana*	High
25.	*Eucalyptus moluccana*	High
26.	*Eucalyptus moluccana*	High
27.	*Eucalyptus moluccana*	High
28.	*Eucalyptus moluccana*	High
29.	*Eucalyptus moluccana*	High
30.	*Eucalyptus moluccana*	High
31.	*Eucalyptus moluccana*	High
32.	*Eucalyptus moluccana*	High
33.	*Eucalyptus moluccana*	High
34.	*Eucalyptus moluccana*	High
35.	*Eucalyptus moluccana*	High
36.	*Eucalyptus moluccana*	High
37.	*Eucalyptus moluccana*	High
38.	*Eucalyptus moluccana*	High
39.	*Eucalyptus moluccana*	High
40.	*Eucalyptus moluccana*	High
41.	*Eucalyptus moluccana*	High
42.	*Eucalyptus moluccana*	High
43.	*Eucalyptus moluccana*	High
44.	*Eucalyptus moluccana*	High
45.	*Eucalyptus moluccana*	High
46.	*Eucalyptus moluccana*	High
47.	*Eucalyptus moluccana*	High
48.	*Eucalyptus moluccana*	High

49.	*Eucalyptus moluccana*	High
50.	*Eucalyptus moluccana*	High
51.	*Eucalyptus moluccana*	Low
52.	*Eucalyptus moluccana*	High
53.	*Eucalyptus moluccana*	High
54.	*Eucalyptus moluccana*	High
55.	*Eucalyptus moluccana*	High
56.	*Eucalyptus moluccana*	High
57.	*Eucalyptus moluccana*	High
58.	*Eucalyptus moluccana*	High
59.	*Eucalyptus moluccana*	High
60.	*Eucalyptus moluccana*	High
61.	*Eucalyptus moluccana*	High
62.	*Eucalyptus moluccana*	High
63.	*Melaleuca linarifolia*	High
64.	*Melaleuca linarifolia*	High
65.	*Eucalyptus moluccana*	High
66.	*Melaleuca linarifolia*	High
67.	*Melaleuca linarifolia*	High
68.	*Melaleuca linarifolia*	High
69.	*Melaleuca linarifolia*	High
70.	*Melaleuca linarifolia*	High
71.	*Melaleuca linarifolia*	High
72.	*Melaleuca linarifolia*	High
73.	*Melaleuca linarifolia*	High
74.	*Melaleuca linarifolia*	High
75.	*Melaleuca linarifolia*	High
76.	*Melaleuca linarifolia*	High
77.	*Melaleuca linarifolia*	High
78.	*Melaleuca linarifolia*	High
79.	*Melaleuca linarifolia*	High
80.	*Melaleuca linarifolia*	Low
81.	*Eucalyptus moluccana*	High
82.	*Eucalyptus moluccana*	High

6.0 Impact of Development

6.1 Tree Protection Zone

Tree Protection Zones (TPZs) have been defined for the subject trees in order to define the encroachment of the proposed development in accordance with *AS4970-2009*. The TPZs required have been taken as a circular area with a radius 12 x the diameter at breast height of the tree. This requirement is in line with Australian Standard AS 4970-2009 Protection of Trees on Development Sites. This standard defines a maximum of 10% encroachment to be minimal encroachment. Any

encroachment over 10% requires the site arborist to give consideration as to the viability of the tree due to the proposed development.

Tree no.	Species	TPZ Radius (m)	Encroachment (%)
1.	*Eucalyptus moluccana*	8.04	100
2.	*Eucalyptus tereticornis*	9.72	100
3.	*Eucalyptus moluccana*	9	100
4.	*Eucalyptus moluccana*	7.92	100
5.	*Eucalyptus moluccana*	6.36	100
6.	*Eucalyptus moluccana*	6.66	100
7.	*Eucalyptus moluccana*	4.02	100
8.	*Eucalyptus moluccana*	3.6	100
9.	*Eucalyptus moluccana*	4.8	100
10.	*Eucalyptus moluccana*	4.56	100
11.	*Eucalyptus tereticornis*	4.8	100
12.	*Eucalyptus moluccana*	8.16	100
13.	*Eucalyptus moluccana*	3.12	100
14.	*Eucalyptus moluccana*	N/A	100
15.	*Eucalyptus moluccana*	N/A	100
16.	*Eucalyptus tereticornis*	5.64	100
17.	*Eucalyptus moluccana*	3.6	100
18.	*Eucalyptus moluccana*	5.88	100
19.	*Eucalyptus moluccana*	7.2	100
20.	*Eucalyptus moluccana*	6.36	100
21.	*Eucalyptus moluccana*	3.6	100
22.	*Eucalyptus moluccana*	3.6	100
23.	*Eucalyptus moluccana*	6.72	100
24.	*Eucalyptus moluccana*	3.84	100
25.	*Eucalyptus moluccana*	6.48	100
26.	*Eucalyptus moluccana*	6.24	100
27.	*Eucalyptus moluccana*	10.32	100
28.	*Eucalyptus moluccana*	3	100
29.	*Eucalyptus moluccana*	5.16	100
30.	*Eucalyptus moluccana*	6.6	100
31.	*Eucalyptus moluccana*	3.96	100
32.	*Eucalyptus moluccana*	6.72	100
33.	*Eucalyptus moluccana*	2.4	100
34.	*Eucalyptus moluccana*	2.04	100
35.	*Eucalyptus moluccana*	6.84	100
36.	*Eucalyptus moluccana*	5.16	100
37.	*Eucalyptus moluccana*	8.88	100
38.	*Eucalyptus moluccana*	3.12	100
39.	*Eucalyptus moluccana*	5.04	100

40.	*Eucalyptus moluccana*	5.88	100
41.	*Eucalyptus moluccana*	4.68	100
42.	*Eucalyptus moluccana*	4.56	100
43.	*Eucalyptus moluccana*	4.68	100
44.	*Eucalyptus moluccana*	3.48	100
45.	*Eucalyptus moluccana*	2.76	100
46.	*Eucalyptus moluccana*	5.76	100
47.	*Eucalyptus moluccana*	3.72	100
48.	*Eucalyptus moluccana*	6.24	100
49.	*Eucalyptus moluccana*	7.08	100
50.	*Eucalyptus moluccana*	4.8	100
51.	*Eucalyptus moluccana*	N/A	100
52.	*Eucalyptus moluccana*	3	100
53.	*Eucalyptus moluccana*	2.94	100
54.	*Eucalyptus moluccana*	2.4	100
55.	*Eucalyptus moluccana*	6.36	100
56.	*Eucalyptus moluccana*	3.48	100
57.	*Eucalyptus moluccana*	7.2	100
58.	*Eucalyptus moluccana*	4.56	100
59.	*Eucalyptus moluccana*	8.76	100
60.	*Eucalyptus moluccana*	9	100
61.	*Eucalyptus moluccana*	4.32	100
62.	*Eucalyptus moluccana*	4.56	100
63.	*Melaleuca linarifolia*	7.2	100
64.	*Melaleuca linarifolia*	4.8	100
65.	*Eucalyptus moluccana*	5.52	100
66.	*Melaleuca linarifolia*	5.64	100
67.	*Melaleuca linarifolia*	6.48	100
68.	*Melaleuca linarifolia*	7.2	100
69.	*Melaleuca linarifolia*	4.56	100
70.	*Melaleuca linarifolia*	5.4	100
71.	*Melaleuca linarifolia*	3.6	100
72.	*Melaleuca linarifolia*	3.36	100
73.	*Melaleuca linarifolia*	4.92	100
74.	*Melaleuca linarifolia*	4.08	100
75.	*Melaleuca linarifolia*	3.6	100
76.	*Melaleuca linarifolia*	4.32	100
77.	*Melaleuca linarifolia*	3.96	100
78.	*Melaleuca linarifolia*	3.72	100
79.	*Melaleuca linarifolia*	2.28	100
80.	*Melaleuca linarifolia*	4.32	100
81.	*Eucalyptus moluccana*	7.32	0
82.	*Eucalyptus moluccana*	6.6	0

6.2 Development Impact

6.2.1. Tree 1 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.2. Tree 2 *Eucalyptus tereticornis*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.3. Tree 3 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.4. Tree 4 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.5. Tree 5 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.6. Tree 6 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.7. Tree 7 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.8. Tree 8 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.9. Tree 9 ***Eucalyptus moluccana***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.10. Tree 10 ***Eucalyptus moluccana***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.11. Tree 11 ***Eucalyptus tereticornis***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.12. Tree 12 ***Eucalyptus moluccana***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.13. Tree 13 ***Eucalyptus moluccana***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.14. Tree 14 ***Eucalyptus moluccana***

This tree is recommended for removal.

6.2.15. Tree 15 ***Eucalyptus moluccana***

This tree is recommended for removal.

6.2.16. Tree 16 ***Eucalyptus tereticornis***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.17. Tree 17 ***Eucalyptus moluccana***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.18. Tree 18 ***Eucalyptus moluccana***

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.19. Tree 19 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.20. Tree 20 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.21. Tree 21 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.22. Tree 22 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.23. Tree 23 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.24. Tree 24 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.25. Tree 25 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.26. Tree 26 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.27. Tree 27 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.28. Tree 28 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.29. Tree 29 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.30. Tree 30 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.31. Tree 31 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.32. Tree 32 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.33. Tree 33 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.34. Tree 34 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally

encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.35. Tree 35 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.36. Tree 36 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.37. Tree 37 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.38. Tree 38 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.39. Tree 39 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.40. Tree 40 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.41. Tree 41 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.42. Tree 42 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.43. Tree 43 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.44. Tree 44 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.45. Tree 45 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.46. Tree 46 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.47. Tree 47 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.48. Tree 48 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.49. Tree 49 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.50. Tree 50 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.51. Tree 51 *Eucalyptus moluccana*

This tree is recommended for removal.

6.2.52. Tree 52 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.53. Tree 53 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.54. Tree 54 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.55. Tree 55 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.56. Tree 56 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.57. Tree 57 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.58. Tree 58 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.59. Tree 59 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.60. Tree 60 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.61. Tree 61 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.62. Tree 62 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.63. Tree 63 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.64. Tree 64 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.65. Tree 65 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.66. Tree 66 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.67. Tree 67 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.68. Tree 68 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.69. Tree 69 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.70. Tree 70 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.71. Tree 71 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.72. Tree 72 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.73. Tree 73 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.74. Tree 74 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.75. Tree 75 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.76. Tree 76 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally

encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.77. Tree 77 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.78. Tree 78 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.79. Tree 79 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.80. Tree 80 *Melaleuca linarifolia*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.81. Tree 81 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

6.2.82. Tree 82 *Eucalyptus moluccana*

The Tree Protection Zone (TPZ) of this tree in accordance with *AS 4970-2009 Protection of Trees on Development Sites* will be totally encroached by the proposed development. This tree will not be viable to be retained under the proposed development.

7.0 Recommendations

The subject trees are preserved by Canterbury Council Tree Preservation Order under Part B11 of Bankstown Council Development Control Plan 2013.

Trees 14 and 15 are in poor and declining condition and are recommended for removal.

Tree 51 has decay and cavity within the trunk which places this tree at increased risk of failure. In consideration of the future development and the increased number of targets and therefore increased hazard posed, this tree is recommended for removal.

The Tree Protetion Zones (TPZ) of all of the subject trees with the exception of Trees 81 and 82, are encroached by the proposed construction and required earthworks by a major encroachment as defined by *AS4970-2009 Protection of Trees on Development Sites.* These trees will not be viable to be retained and will be required to be removed due to the proposed development.

Trees 81 and 82 are viable to be retained and protected in accordance with Section 8.0.

There is decay and borer damage within the southern co-dominant trunk of tree 19. We recommend that this co-dominant trunk be removed.

Recommendations for tree retention or removal are summarised as follows:

Tree no.	Species	Recommendations	Comments
1.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
2.	*Eucalyptus tereticornis*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
3.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
4.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
5.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
6.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
7.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
8.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
9.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
10.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

11.	*Eucalyptus tereticornis*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
12.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
13.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
14.	*Eucalyptus moluccana*	Remove	Poor and declining condition. Bark inclusion. Extensive decay at base of trunk. Swelling indicative of decay throughout trunk.
15.	*Eucalyptus moluccana*	Remove	Poor and declining condition.
16.	*Eucalyptus tereticornis*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
17.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
18.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
19.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
20.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
21.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
22.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
23.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
24.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
25.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

26.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
27.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
28.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
29.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
30.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
31.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
32.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
33.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
34.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
35.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
36.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
37.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
38.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
39.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
40.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

41.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
42.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
43.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
44.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
45.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
46.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
47.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
48.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
49.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
50.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
51.	*Eucalyptus moluccana*	Remove	Unbalanced canopy overhanging car park. Significant decay at base. Cambium damaged to 80% of trunk. Cracking visible on tension side of trunk.
52.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
53.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
54.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

55.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
56.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
57.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
58.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
59.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
60.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
61.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
62.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
63.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
64.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
65.	*Eucalyptus moluccana*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
66.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
67.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
68.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
69.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.

70.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
71.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
72.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
73.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
74.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
75.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
76.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
77.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
78.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
79.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
80.	*Melaleuca linarifolia*	Remove	Not viable to be retained due to encroachment within the TPZ due to the proposed development.
81.	*Eucalyptus moluccana*	Retain	
82.	*Eucalyptus moluccana*	Retain	

8.0 Pre-Construction Tree Protection Measures

8.1 General

All tree protection works shall be carried out before excavation, grading and site works commence. Tree protection works shall be inspected and approved by a Consulting Arborist meeting AQF Level 5 prior to construction works commencing.

Storage of materials, mixing of materials, vehicle parking, disposal of liquids, machinery repairs and refueling, site office and sheds, and the lighting of fires, stockpiling of soil, rubble or any debris shall not be carried out within the TPZ of existing trees. No backfilling shall occur within the TPZ of existing trees. Trees shall not be removed or lopped unless specific instruction is given in writing by the Superintendent.

8.2 Identification

All trees to be protected shall be clearly identified and all TPZs surveyed.

8.3 Protective Fence

Fencing is to be erected around existing trees to be retained. In addition to this protective fencing within the site, Protective Fencing is to be installed to the full extent of the TPZs within the site. This fencing is to be erected prior to any materials being brought on site or before any site, civil works or construction works commence. The fence shall enclose a sufficient area so as to prevent damage to the TPZ as defined on Appendix D Tree Protection Plan and as defined in 5.1 above. Fence to comprise 1800mm high chain wire mesh fixed to 50mm diameter Galvanised steel posts. Panels should be securely fixed top and bottom to avoid separation. No storage of building materials, tools, paint, fuel or contaminants and the like shall occur within the fenced area.

8.4 Mulching

Install mulch to the extent of all tree protection fencing. Use a leaf mulch conforming to AS 4454 which is free of deleterious and extraneous matter such as soil, weeds, sticks and stones and consisting of a minimum of 90% recycled content compliant with AS 4454 (1999) and AS 4419 (1998). All trees marked as to be removed on the proposed development are to be chipped and reused for this purpose. Place mulch evenly and to a depth of 100mm.

8.5 Signage

Prior to works commencing, tree protection signage is to be attached to each tree protection zone, displayed in a prominent position and the sign repeated at 10 metres intervals or closer where the fence changes direction. Each sign shall contain in a clearly legible form, the following information:
Tree protection zone.

- This fence has been installed to prevent damage to the trees and their growing environment both above and below ground and access is restricted.
- No Access within Tree Protection Zone
- The name, address, and telephone number of the developer.

The name and telephone number of the Site Arborist.

9.0 Site Management Issues

9.1 Soil Compaction

Plant and pedestrian traffic during the construction period will cause significant soil compaction. This will be exacerbated by increased water expected on these soils as result of adjacent construction and weather. Compaction of the soil within the TPZ will reduce the voids between soil peds or particles therefore will reduce the gaseous exchange capacity of the root system which will slow critical metabolic processes such as respiration which produces Adenosine Triphosphate (ATP) which provides energy

for the photosynthesis, which in turn provides photosynthates such as glucose. These photosynthates provide the carbohydrates required for tree extension growth, girth expansion, reproduction and pest and disease resistance. No pedestrian or plant access is permissible to the TPZ.

9.2 Site Access

Sufficient access is required to enable efficient construction. It is essential to delineate access zones or corridors which will provide suitable access without damaging the existing trees to be retained or causing compaction to the root zone.

9.3 Excavation within Tree Protection Area

No excavation is to be carried out within the TPZs of retained trees without the permission and supervision of the site arborist (AQF5)

9.4 Possible Contamination / Storage of Materials

The construction site will require the use of many chemicals and materials that are possible contaminants which if not managed will pose a risk to the existing trees. These possible contaminants include fuels, herbicides, solvents and the like. A site specific Environmental Management Plan shall be provided and this specific risk identified and addressed.

10.0 Tree Protection Measures During Construction

10.1 Maintenance of Pre-Construction Tree Protection Measures

The Pre-Construction Tree Protection Measures identified in 5.0 above are to be maintained in good and serviceable condition throughout the construction period.

10.2 Possible Contaminants

Do not store or otherwise place bulk materials and harmful materials under or near trees. Do not place spoil from excavations within the TPZs. Prevent wind-blown materials such as cement from harming trees. All possible contaminants are to be stored in a designated and appropriate area with secure chemical spill measures such as a bund in place.

10.3 Physical Damage

Prevent damage to tree. Do not attach stays, guys and the like to trees. No personnel, plant, machinery or materials are to be allowed within the tree protection fencing.

10.4 Compaction

No filling or compaction shall occur over tree roots zones within tree protection fenced areas. Where construction occurs close to or the TPZ of trees to be retained it shall be necessary to install protection to avoid compaction of the ground surface. This protection is to be planks supported clear of the ground fixed to scaffolding.

10.5 Trenching

No Trenching should be necessary within the TPZs or within tree protection fencing. No further trenching is to be carried out without the approval of the Superintendent. Should any further trenching be required within the TPZs identified, this work is to be carried out by hand and under the supervision of a qualified Arborist.

10.6 Irrigation/Watering

Contractor is to ensure that soil moisture levels are adequately maintained. Apply water at an appropriate rate suitable for the species during periods of little or no rainfall.

10.7 Site Sheds / Amenities/ Storage

Site sheds, site amenities, ablutions and site storage shall be in the area clear of all TPZ. Chemicals and potential contaminants are to be stored appropriately and this storage area is to be enclosed by a chemical spill bund to prevent the potential run off of contaminants in the event of a spillage or accident.

11.0 Environmental / Heritage/ Legislative Considerations

None of the subject trees are identified as threatened species or elements of endangered ecological communities within the Threatened Species Conservation Act 1995.

12.0 References

Mattheck, C. Breloer, K. 1993, The Body Language of Trees: A Handbook for Failure Analysis, 12th Impression 2010 The Stationery Office.
AS4970-2009 Protection of Trees on Development Sites : Standards Australia

13.0 Disclaimer

This Appraisal has been prepared for the exclusive use of the Client and Birds Tree Consultancy.
Birds Tree Consultancy accepts no responsibility for its use by other persons. The Client acknowledges that this Appraisal, and any opinions, advice or recommendations expressed or given in it, are based on the information supplied by the Client and on the data inspections, measurements and analysis carried out or obtained Birds Tree Consultancy and referred to in the Appraisal. The Client should rely on the Appraisal, and on its contents, only to that extent.

Every effort has been made in this report to include, assess and address all defects, structural weaknesses, instabilities and the like of the subject trees. All inspections were made from ground level using only visual means and no intrusive or destructive means of inspection were used. For many structural defects such as decay and inclusions, internal inspection is required by means of resistograph or similar. No such investigation has been made in this case. Trees are living organisms and are subject to failure through a variety of causes not able to be identified by means of this inspection and report.

Appendix A Landscape Significance

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

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

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

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

Tree Significance - Assessment Criteria

1. High Significance in landscape

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

2. Medium Significance in landscape

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

3. Low Significance in landscape

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

Environmental Pest / Noxious Weed Species

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

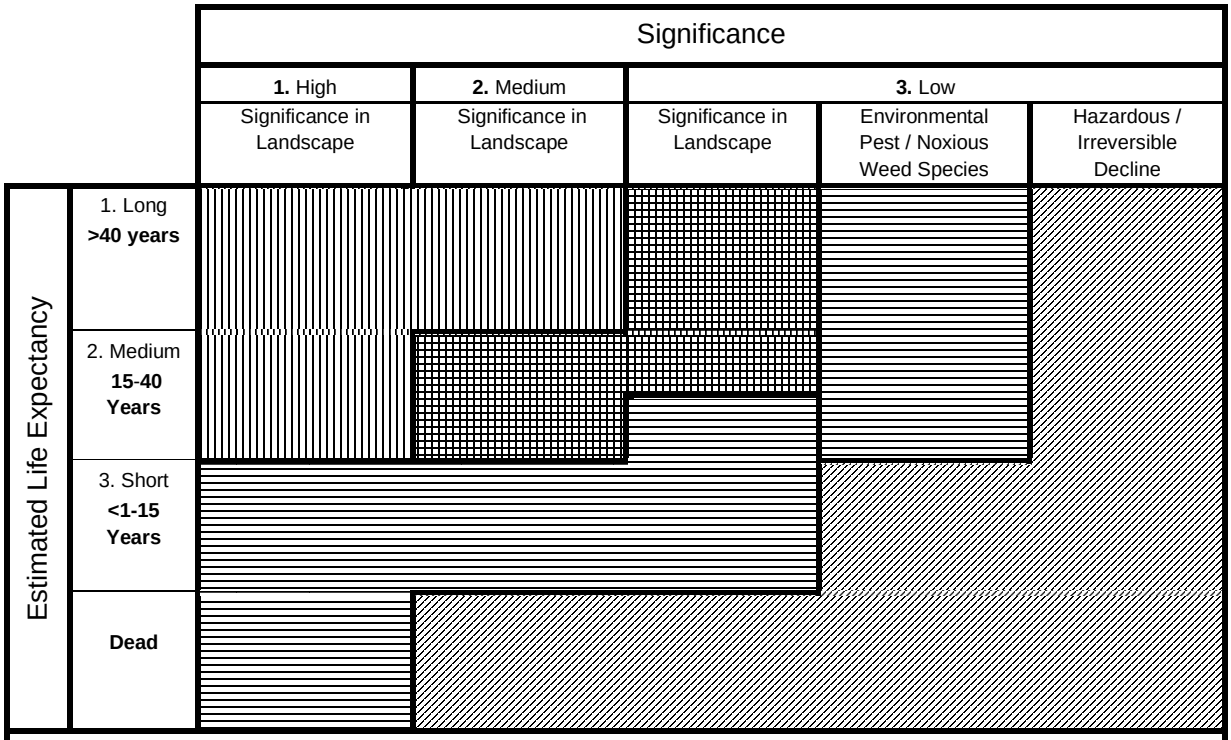
Hazardous/Irreversible Decline

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

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

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

Appendix B Tree Retention Values



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 e.g. pier and beam etc if works are to proceed within the Tree Protection Zone.

Consider for Retention (Medium) - These trees may be retained and protected. These are considered less critical; however, their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.

Consider for Removal (Low) - These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.

Priority for Removal - These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

REFERENCES

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

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

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

Appendix C - Tree Inspection Data

Birds Tree Consultancy

Consulting Arborist• Project Management • Horticultural Consultancy • Landscape Management

Inspection Data 17-May-19
Bankstown golf Club

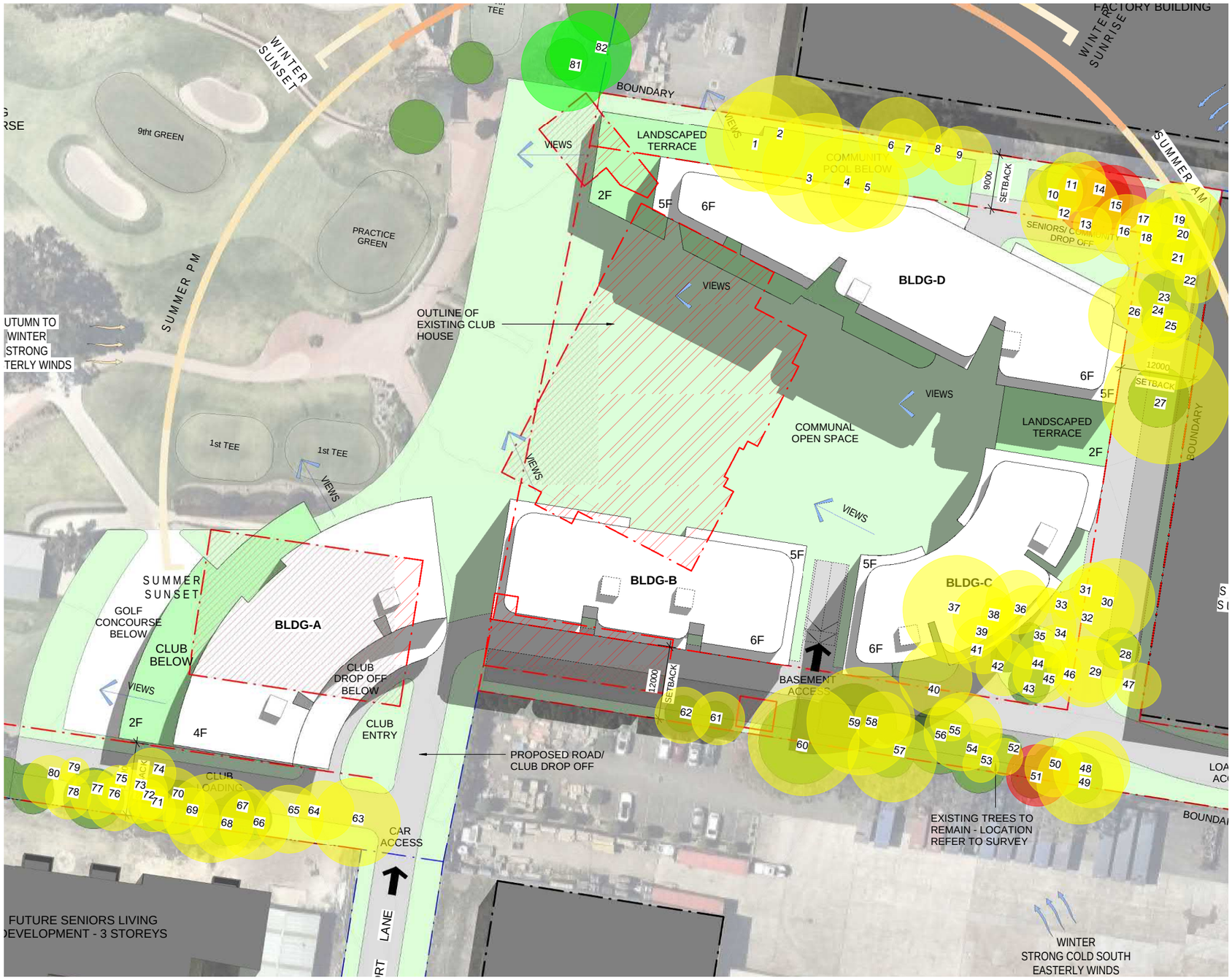
Tree no.	Species	Height (m)	Spread(m)	DBH (mm)	TPZ Radius (m)	Maturity	Trunk (single, twin, multiple @)	Trunk lean	Form/Crown shape	Branching Habit	Crown Distribution	Stability	Branching Structure	Pruning History	Defects	Damage	Overall Health & Vigour	Canopy Density	Foliage	Deadwood	Epicormic Growth	Pest Infestation	Disease	Life expectancy	Env. & Landcape significance	Retention Value	Notes/Comments
1	Eucalyptus moluccana	23	12	670	8.04	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
2	Eucalyptus tereticornis	26	11	810	9.72	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Evidence of decay	Nil	Fair	Thinning	Normal	20%	10%	No evidence	No evidence	15-40y	Moderate	Moderate	Evidence of decay present. Swelling indicates extensive
3	Eucalyptus moluccana	26	13	750	9	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
4	Eucalyptus moluccana	23	13	660	7.92	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
5	Eucalyptus moluccana	23	13	530	6.36	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	Wound at base appears well compartmentalised.
6	Eucalyptus moluccana	23	12	555	6.66	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
7	Eucalyptus moluccana	22	9	335	4.02	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
8	Eucalyptus moluccana	19	9	300	3.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	On neighbouring property
9	Eucalyptus moluccana	18	10	400	4.8	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
10	Eucalyptus moluccana	15	11	380	4.56	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
11	Eucalyptus tereticornis	19	8	400	4.8	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
12	Eucalyptus moluccana	24	14	680	8.16	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
13	Eucalyptus moluccana	17	8	260	3.12	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
14	Eucalyptus moluccana	14	8	500	6	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Evidence of decay, Bark inclusion	Nil	Poor	Sparse	Normal	50%	40%	No evidence	No evidence	5-15y	Low	Low	Poor and declining condition. Remove, Bark inclusion. Remove , Extensive decay at base of trunk. Remove, Swelling indicative of decay throughout trunk. Remove
15	Eucalyptus moluccana	20	11	470	5.64	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Poor	Sparse	Normal	40%	50%	Borers	No evidence	5-15y	Moderate	Low	Poor and declining condition. Remove
16	Eucalyptus tereticornis	23	12	470	5.64	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Fair	Thinning	Normal	20%	<5%	No evidence	No evidence	15-40y	High	High	
17	Eucalyptus moluccana	25	8	300	3.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
18	Eucalyptus moluccana	21	14	490	5.88	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
19	Eucalyptus moluccana	23	15	600	7.2	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Evidence of decay	Nil	Good	Normal	Normal	<5%	<5%	Borers, Termites	No evidence	15-40y	High	High	Significant decay and borer at base of southern trunk. Remove this trunk
20	Eucalyptus moluccana	26	14	530	6.36	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
21	Eucalyptus moluccana	23	10	300	3.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
22	Eucalyptus moluccana	23	11	300	3.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
23	Eucalyptus moluccana	25	15	560	6.72	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
24	Eucalyptus moluccana	15	14	320	3.84	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
25	Eucalyptus moluccana	26	14	540	6.48	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
26	Eucalyptus moluccana	26	16	520	6.24	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
27	Eucalyptus moluccana	25	20	860	10.32	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
28	Eucalyptus moluccana	11	8	250	3	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	

Tree no.	Species	Height (m)	Spread(m)	DBH (mm)	TPZ Radius (m)	Maturity	Trunk (single, twin, multiple @)	Trunk lean	Form/Crown shape	Branching Habit	Crown Distribution	Stability	Branching Structure	Pruning History	Defects	Damage	Overall Health & Vigour	Canopy Density	Foliage	Deadwood	Epicormic Growth	Pest Infestation	Disease	Life expectancy	Env. & Landcape significance	Retention Value	Notes/Comments
29	Eucalyptus moluccana	18	9	430	5.16	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
30	Eucalyptus moluccana	23	12	550	6.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
31	Eucalyptus moluccana	19	9	330	3.96	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
32	Eucalyptus moluccana	32	14	560	6.72	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
33	Eucalyptus moluccana	24	6	200	2.4	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
34	Eucalyptus moluccana	14	6	170	2.04	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
35	Eucalyptus moluccana	31	16	570	6.84	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
36	Eucalyptus moluccana	18	15	430	5.16	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
37	Eucalyptus moluccana	26	14	740	8.88	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
38	Eucalyptus moluccana	24	6	260	3.12	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
39	Eucalyptus moluccana	25	12	420	5.04	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
40	Eucalyptus moluccana	22	18	490	5.88	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
41	Eucalyptus moluccana	21	9	390	4.68	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
42	Eucalyptus moluccana	26	12	380	4.56	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
43	Eucalyptus moluccana	23	12	390	4.68	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
44	Eucalyptus moluccana	26		290	3.48	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
45	Eucalyptus moluccana	24	9	230	2.76	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
46	Eucalyptus moluccana	26	16	480	5.76	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
47	Eucalyptus moluccana	19	13	310	3.72	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
48	Eucalyptus moluccana	23	11	520	6.24	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
49	Eucalyptus moluccana	24	14	590	7.08	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
50	Eucalyptus moluccana	17	10	400	4.8	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
51	Eucalyptus moluccana	18	10	420	5.04	Mature	Single	NIL	Normal	Normal	S	Stable	Stable	No evidence	Evidence of decay, Crack	Damage to cambium, Wound	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	Moderate	Low	Unbalanced canopy overhanging car park. Significant decay at base. Cambia damaged to 80% of trunk. Cracking visible on tension side of trunk. Remove
52	Eucalyptus moluccana	20	8	250	3	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
53	Eucalyptus moluccana	15	8	245	2.94	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
54	Eucalyptus moluccana	15	8	200	2.4	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
55	Eucalyptus moluccana	23	14	530	6.36	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
56	Eucalyptus moluccana	21	9	290	3.48	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
57	Eucalyptus moluccana	22	15	600	7.2	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
58	Eucalyptus moluccana	18	9	380	4.56	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
59	Eucalyptus moluccana	26	17	730	8.76	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	

Tree no.	Species	Height (m)	Spread(m)	DBH (mm)	TPZ Radius (m)	Maturity	Trunk (single, twin, multiple @)	Trunk lean	Form/Crown shape	Branching Habit	Crown Distribution	Stability	Branching Structure	Pruning History	Defects	Damage	Overall Health & Vigour	Canopy Density	Foliage	Deadwood	Epicormic Growth	Pest Infestation	Disease	Life expectancy	Env. & Landcape significance	Retention Value	Notes/Comments
60	Eucalyptus moluccana	22	17	750	9	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
61	Eucalyptus moluccana	7.5	6	360	4.32	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
62	Eucalyptus moluccana	9	8	380	4.56	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
63	Melaleuca linarifolia	12	8	600	7.2	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
64	Melaleuca linarifolia	12	6	400	4.8	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
65	Eucalyptus moluccana	10	7	460	5.52	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
66	Melaleuca linarifolia	11		470	5.64	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
67	Melaleuca linarifolia	12		540	6.48	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
68	Melaleuca linarifolia	10		600	7.2	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
69	Melaleuca linarifolia	10		380	4.56	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
70	Melaleuca linarifolia	12		450	5.4	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
71	Melaleuca linarifolia	12	5	300	3.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
72	Melaleuca linarifolia	11	5	280	3.36	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
73	Melaleuca linarifolia	12		410	4.92	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
74	Melaleuca linarifolia	12	6	340	4.08	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
75	Melaleuca linarifolia	11	5	300	3.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
76	Melaleuca linarifolia	11	8	360	4.32	Mature	Twin @ base	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
77	Melaleuca linarifolia	12		330	3.96	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
78	Melaleuca linarifolia	12		310	3.72	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
79	Melaleuca linarifolia	12		190	2.28	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
80	Melaleuca linarifolia	12		360	4.32	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Poor	Sparse	Normal	90%	<5%	No evidence	No evidence	<5y	Low	Low	
81	Eucalyptus moluccana	17	11	610	7.32	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	
82	Eucalyptus moluccana	14	9	550	6.6	Mature	Single	NIL	Normal	Normal	Balanced	Stable	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High	

Appendix D Tree Location Plans

Tree Protection Plans



Legend

- Tree to be Retained and Protected
- Tree not viable to be retained due to proposed development
- Tree to be Removed
- Tree Protection Zone (TPZ) in accordance with AS4970-2009

Birds Tree Consultancy
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Project: Bankstown Golf Club
Client: Hamptons Property Services
DWG: A01 REV B
Plan: Tree Location Plan
Date: 07 SEpt 2019 Scale : 1:750 @ A3

Legend

- Tree to be Retained and Protected
- Tree not viable to be retained due to proposed development
- Tree to be Removed
- Tree Protection Zone (TPZ) in accordance with AS4970-2009

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Project: Bankstown Golf Club
Client: Hamptons Property Services
DWG: A02 REV B
Plan: Tree Protection Zone Plan
Date: 07 Sept 2019 Scale : 1:750 @ A3