New Leaf Arboriculture Pty Ltd
info@newleaftrees.com.au
PO Box 2554 North Parramatta NSW 1750
ACN 627072619 ABN 86 627072619
www.newleaftrees.com.au

Arboricultural Impact Assessment

Wilson Park, Newington Road, Sydney Olympic Park

Proposed Western Sydney Cricket and Community Centre development

Prepared for Cox Architecture

Prepared 11 September 2019
Final draft issued 19 September 2019
Final report issued 27 September 2019

by
Jacki Brown
Arboricultural Consultant

BA, Dip. Hort. (Arb), Dip. Hort. (Landsc.),
Cert. III Cons. & Land Mgmt. (Nat. Area Restoration)
Accredited Member Institute of Australian Consulting Arboriculturists (IACA)
Member International Society of Arboriculture (ISA)

jacki@newleaftrees.com.au | 0415 550 284

New Leaf Arboriculture Pty Ltd

Contents

1. Introduction 2

1.1. Summary 2

1.2. Purpose 2

1.3. The Site 2

1.4. The Trees 2

1.5. The Proposed Works 2

2. Background 3

2.1. Tree Management Controls 3

2.2. Reference Documents 3

3. Tree Survey Information Table 4

4. Tree Protection Concept Plans 5

5. Tree Assessment Methodology 6

5.1. Limitations and Assumptions 6

5.2. Tree Assessment 6

5.3. Tree Survey Data 6

6. Arboricultural Impact Assessment Results 7

6.1. Trees within the Development Footprint 7

6.2. Trees with Major Encroachments from the Proposed Development 8

6.3. Trees with Minor Encroachments from the Proposed Development 8

6.4. Trees with Uncertain Outcomes depending on Detail Design 9

6.5. Trees Not Impacted by the Proposed Development 9

6.6. Other Trees 10

7. Discussion 10

7.1. Trees Within the Construction Footprint 10

7.2. Detail Design Effects on Trees 10

7.3. Trees Outside the Works Area 11

7.4. Area of Canopy Coverage On Site 11

7.5. Replacement Tree Planting 11

7.6. Conclusion 11

8. Recommendations 11

8.1. Tree Retention 11

8.2. Minimise Tree Impacts during Detail Design 11

8.3. Minimise Tree Impacts during Works 11

8.4. Tree Protection Measures 12

8.5. Tree Removal 12

8.6. Replacement Tree Planting 12

8.7. Ongoing Tree Management 12

1. Introduction

1.1 Summary

This Arboricultural Impact Assessment (AIA) report has been prepared for Cox Architecture, to assist in the assessment of a State Significant Development Application (SSDA) to be submitted to the Minister for Planning and Public Spaces, pursuant to Part 4.7 of the Environmental Planning and Assessment Act 1979 (EP&A Act), for the construction and operation of a new Cricket NSW Centre of Excellence at Wilson Park at Newington Road, Sydney Olympic Park. The report is prepared in accordance with Australian Standard *AS4970-2009 – Protection of trees on development sites.*

1.2 Purpose

The purpose of this report is to assess the potential impacts of the proposed works on the trees on the site, and detail tree protection measures required for retained trees including tree sensitive design and construction measures.

As the Sydney Olympic Park precinct is identified as a State Significant site in Schedule 2 of *State Environmental Planning Policy (State and Regional Development) 2011*, and the proposed development will have a capital investment exceeding $10 million, it is declared to be State Significant Development (SSD) for the purposes of the EP&A Act, with the Minister for Planning and Public Spaces the consent authority for the project.

The Department of Planning, Industry and Environment provided the Secretary's Environmental Assessment Requirements (SEARs) to the applicant for the preparation of an Environmental Impact Statement for the proposed development on 23 July 2019. This report has been prepared having regard to the SEARs, specifically part *4. Public Domain and Landscaping* which requires the Environmental Impact Statement to "*address any impacts on existing trees, through an Arboricultural Impact Assessment*".

1.3 The Site

The site is located at Wilson Park, in the suburb of Sydney Olympic Park, within the Parramatta Local Government Area (LGA) and is situated at the north western corner of the Sydney Olympic Park (SOP) precinct. The site is irregular in shape and comprises a single allotment of land with an approximate area of 52,700m^2. The site is currently owned by the Sydney Olympic Park Authority (SOPA) and it is legally described as Lot C in DP 421320.

The site is bounded by the Parramatta River to the north, Silverwater correctional facility to the east, industrial lands to the south and Silverwater Road to the west. It is zoned RE1 - Public Recreation: (pub. 24-3-2016). Wilson Park is a former gasworks site, and contains sportsgrounds, with associated amenities, and landscaped areas containing a mixture of planted exotic and native trees and shrubs. The site has a landfill leachate treatment plant located to its north-east, sharing a boundary with the site.

1.4 The Trees

This report assesses five hundred and seventy two (572) trees within the property, including assigning a retention value rating to each tree. Some trees which were not shown on the site survey have not been assessed. Details of the species, dimensions, health, and condition of the assessed trees are contained in the **Tree Survey Information Table** (page 4).

1.5 The Proposed Works

The proposed development consists of demolition of existing features, earthworks, and construction of a two storey building, cricket ovals, practice nets, indoor training facility, machinery shed, car parking, and associated services, infrastructure and landscape works, as shown on the plans by Cox Architects, and associated consultants' plans listed at **2.2** below.

2. Background

2.1 Tree Management Controls

Parramatta Development Control Plan 2011 (DCP) Section 5.4 applies to any tree or palm, whether indigenous, endemic, exotic or introduced species with a height equal to or exceeding 5m or a Diameter at Breast Height (DBH) at 1.3m from ground level equal to or greater than 300mm; any bushland or mangrove vegetation irrespective of size; and any tree or plant, irrespective of size, listed in a Register of Significant or Heritage trees being kept by Council at any time. Exemptions include dead trees, noxious weeds, undesirable tree species, and fruit trees.

The trees assessed in this report are subject to the DCP, however the SSDA process overrides the need for Council consent for tree removal in the context of the development.

2.2 Reference Documents

The following documents were referred to in the preparation of this report:

- Survey Plan: General *Detail and Site Level,* Project Surveyors, Dwg No. B04438-1, Ref. B04438, Rev. B, 27.02.19.
- Architectural Plans: Cox Architecture, Dwg No. a-mp-cnsw-ve3, Project No. 219024.00, Rev. 3, 24.09.19.
- Civil Drawings: CNSW Western Sydney Cricket & Community Centre, Silverwater, Taylor Thomson Whitting, Dwg No. C01, Job No. 191180, Rev. P1, Sept. 10, 2019
- Draft Landscape Masterplan: Turf Landscapes, 10.09.2019
- Property Report generated on 19/9/2019 from the NSW Government ePlanning Spatial Viewer at: https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/lot
- Australian Standard *AS4373-2007 Pruning of amenity trees*.
- Australian Standard *AS4970-2009 Protection of trees on development sites*.
- Parramatta Development Control Plan 2011 Section 5.4 *Preservation of Trees or Vegetation*.
- Parramatta Local Environmental Plan 2011.
- *State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017.*

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
1	High	Ret	*Casuarina cunninghamiana* River Oak	18	8		450	550	M	G	Av	M-L	M-H	M-H	M-H	2.6	5.4	Large vertical wound on trunk @ base - exposed heartwood. Wounds on low branches. Slight skew to N. Pruned for path clearance.	0%	No impact. Protect during works.
2	High	Ret	*Casuarina cunninghamiana* River Oak	10	6		300	350	M	G-Av	G-Av	M-L	M	M	M-H	2.1	3.6	Multistem @2m - possible lost leader. Cracks in bark - possible internal decay. Bulge.	0%	No impact. Protect during works.
3	High	Ret	*Casuarina cunninghamiana* River Oak	10	6		350	400	M	G	G-Av	M-L	M	M	M-H	2.3	4.2	Vertical wound from base to 2m from broken branch stub - good occlusion. Surface roots.	0%	No impact. Protect during works.
4	Med	Ret	*Casuarina cunninghamiana* River Oak	15	8		400	450	M	G-Av	Av-P	S-M	M	M	M	2.4	4.8	Partially failed inclusion of main branches S side.	0%	No impact. Protect during works.
5	Med	Ret	*Casuarina cunninghamiana* River Oak	12	8		350	400	M	G-Av	Av	M	M	M	M	2.3	4.2	Failed inclusion of 300ø leader S side. Bark cracks. Good occlusion. Branch stubs.	0%	No impact. Protect during works.
6	High	Ret	*Eucalyptus robusta* Swamp Mahogany	10	10	300 / 300		600	M	G-Av	Av	L	M	M	M	2.7	5.1	Broken branch @ N side top. Moderate size epicormics. Insect frass in union @0.5m. Low branches pruned. Failed incluson branches @2.5m & 5m. 200mmø. Crossing branches. Lot of inclusions. On mound.	0%	No impact. Protect during works.
7	Med	Unc	*Eucalyptus robusta* Swamp Mahogany	10	6	150 / 200		400	SM	G-Av	G-Av	M	M	M	M	2.3	3.0	Skew to E. 2 stems from base. 1 branch removed @base. Surface roots. Small epicormics & deadwood. Wound @base to 0.5m. Possible inclusion	0%	Proposed fence close to base - avoid root damage. Protect during works.
8	Med	Unc	*Eucalyptus robusta* Swamp Mahogany	9	6		250	300	SM	Av	Av	M	M	M	M	2.0	3.0	Skew to W. Girdled roots. Surface roots. Low branches pruned. Deadwood. Dieback.	0%	Proposed fence close to base - avoid root damage. Protect during works.
9		PR	*Removed*															Stump with decay. Recently removed following storm.	-	Remove stump.
10		PR	*Removed*															Stump. Recently removed following storm.	-	Remove stump.
11	Low	Rem	*Eucalyptus robusta* Swamp Mahogany	6	3		100	150	J	Av-P	Av-P	S	L	L	M	1.5	2.0	Sparse, deadwood, dieback, small epicormics from base. Lost leader. Suppressed by T13.	0%	Adjacent proposed synthetic turf nets. Consider removal & replacement.
12	Med	Ret	*Lophostemon confertus* Brush Box	9	4		200	250	SM	Av	G-Av	M-L	L-M	L-M	M	1.8	2.4	4 stems from 2m. Small dieback. Chlorosis & small size foliage.	0%	No impact. Protect during works.
13	High	Ret	*Eucalyptus robusta* Swamp Mahogany	12	10	300 / 200		550	M	Av	G-Av	M-L	M	M	M	2.6	4.3	2 stems from 0.5m. Sparse. Small deadwood.	0%	No impact. Protect during works.
14	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	9	5		200	250	SM	G-Av	Av	M	L-M	L-M	M	1.8	2.4	Main branch lopped @base - epicormics. Suppressed by T15.	0%	Proposed fence close to base - avoid root damage. Ground levels proposed to be raised to south of tree - ensure no level changes or retaining walls in TPZ if tree to be retained.
15	Med	Ret	*Eucalyptus robusta* Swamp Mahogany	10	6		250	400	SM	G-Av	Av	M	M	M	M	2.3	3.0	Large branches lopped @base. - epicormics. Dense epicormics @ top. Large network of surface roots.	0%	Ground levels proposed to be raised to south of tree - ensure no level changes or retaining walls in TPZ if tree to be retained. Fence to be demolished without machine access in TPZ.
16	High	Ret	*Eucalyptus microcorys* Tallowwood	16	10		400	450	M	Av	G-Av	M-L	M-H	M-H	M	2.4	4.8	Broken branches & pruned low branches. Small dense epicormics. Surface roots outside fence damaged.	0%	Ground levels proposed to be raised to south of tree - ensure no level changes or retaining walls in TPZ if tree to be retained. Fence to be demolished without machine access in TPZ.
17	Low	Rem	*Eucalyptus robusta* Swamp Mahogany	6	3		150	200	SM	Av-P	Av-P	S	L	L	M	1.7	2.0	Crownshy to T18. Recent branches pruned. Sparse. Epicormics. Small crown volume. Codominant branch lopped @base.	0%	Ground levels proposed to be raised to south of tree - ensure no level changes or retaining walls in TPZ if tree to be retained. Fence to be demolished without machine access in TPZ.
18	Low	Rem	*Eucalyptus microcorys* Tallowwood	15	10		400	450	M	Av	P	S	M	M	M	2.4	4.8	Pruned after recent storm damage. Sparse. Small epicormics, deadwood.	8%	Located between carpark & proposed building. Demolition of existing fence close to base. Consider removal due to condition.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
19	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	8	6	250 / 100		300	M	G-Av	Av-P	S-M	L-M	L-M	M	2.0	3.2	Wound on trunk @1.5m. Branch pruned @ base - epicormics. Wounds. Dieback. Deadwood.	100%	Within proposed building footprint.
20		PR	*Removed*															Recently removed following storm.	-	
21	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	7	6		300	350	SM	G-Av	G-Av	M-L	M	M	M	2.1	3.6	Possible decay - slight bulge @base. Moderate epicormics.	100%	Within proposed building footprint.
22	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	9	5		200	300	SM	Av	Av	M	L-M	L-M	M	2.0	2.4	Surface roots damaged. Wound @base. Bulge. Moderate epicormics. Small dieback. Skews away from removed T20.	14%	Adjacent proposed building footprint. Retain and protect.
23	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	8	5		250	300	SM	G-Av	Av	M	M	M	M	2.0	3.0	2 main stems from 2.5m - northern stem with wounds. Slightly suppressed by T24. Minor dieback & small epicormics. Possible defect @ main junction.	100%	Within proposed building footprint.
24	High	Ret	*Eucalyptus microcorys* Tallowwood	12	12		400	450	M	G-Av	G-Av	M-L	M-H	M-H	M	2.4	4.8	Possible lightning strike - spiral wound from base to 4m. Small epicormics.	19%	Adjacent proposed building footprint. Retain and protect.
25	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	6	5	100 / 150		250	SM	G-Av	Av	S-M	L-M	L-M	M	1.8	2.2	Inclusions on most junctions. 2 stems from 1m. Moderate epicormics. Small deadwood. Surface roots.	40%	At edge of proposed building footprint. Remove.
26	Med	Rem	*Lophostemon confertus* Brush Box	4	2	30 / 30 / 30		100	J	G-Av	G-Av	L	L	L	M	1.5	2.0	Under canopy of T25 & 27. Wound @ base S side.	100%	Within proposed building footprint.
27	High	Ret	*Eucalyptus microcorys* Tallowwood	15	12		500	600	M	G-Av	G-Av	M-L	M-H	H	M	2.7	6.0	Pruned after recent storms, moderate deadwood.	4%	Adjacent proposed building footprint.
28	High	Ret	*Casuarina cunninghamiana* River Oak	14	12		500	600	M	G-Av	G-Av	M-L	M-H	M-H	M	2.7	6.0	Lot of surface suckers & roots. Failed branch W side. Branch wound N side. Congested branches.	0%	No impact provided that existing garden bed is retained in its entirety. Protect during works.
29 A	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	6	2		80	150	J	G-Av	Av	M	L	L	M	1.5	2.0	Skew to T27. Insect damage to foliage.	100%	Within proposed building footprint.
29 B	Low	Rem	*Eucalyptus robusta* Swamp Mahogany	5	3		100	200	J	Av	Av	S	L	L	M	1.7	2.0	Large branch lopped @base. Skew, crownshy to T27. Small epicormics. Browning foliage.	100%	Within proposed building footprint.
30	X	Rem	*Dead tree*										L							
31	High	Rem	*Eucalyptus robusta* Swamp Mahogany	8	8		350	450	M	G-Av	G-Av	M-L	M	M	M	2.4	4.2	Possible inclusions.	100%	Within proposed building footprint.
32	High	Rem	*Eucalyptus robusta* Swamp Mahogany	9	6	200 / 100		400	M	G-Av	G-Av	M-L	M	M	M	2.3	2.7	Multiple wounds on trunk & branches. Main leader lopped. Moderate epicormics. Insect damage to foliage.	100%	Within proposed building footprint.
33	High	Ret	*Casuarina cunninghamiana* River Oak	18	12		500	550	M	Av	G-Av	M	M-H	M-H	M	2.6	6.0	Big ears inclusion @ main junction - appears stable. Dead stubs, slightly sparse & small foliage.	0%	No impact provided that existing garden bed is retained in its entirety. Protect during works.
34	Low	Ret	*Casuarina cunninghamiana* River Oak	7	3		100	150	J	G-Av	G-Av	M	L	L	M	1.5	2.0	Suppressed by sorrounding trees. Wounds on trunk. Inclusion @ main junction.	0%	No impact provided that existing garden bed is retained in its entirety. Protect during works.
35	High	Ret	*Casuarina cunninghamiana* River Oak	18	10		500	550	M	G-Av	G	M-L	H	H	M	2.6	6.0	Single main leader.	0%	No impact provided that existing garden bed is retained in its entirety. Protect during works.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
36	High	Ret	*Casuarina cunninghamiana* River Oak	12	5		200	250	SM	Av	G	M-L	M	M	M	1.8	2.4	Suppressed - skew to S	0%	No impact provided that existing garden bed is retained in its entirety. Protect during works.
37	High	Ret	*Casuarina cunninghamiana* River Oak	15	8		300	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.6	Codominant @1.5m. Deep mulch layer of Casuarina needles in garden.	0%	No impact provided that existing garden bed is retained in its entirety. Protect during works.
38	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	14	8	200 / 250		400	M	G-Av	Av	M	M	M	M	2.3	3.9	Wound at base. Small epicormics. Skew to W.	100%	Within proposed community building footprint.
39	High	Rem	*Eucalyptus punctata* Grey Gum	15	8	250 / 300		500	M	G	Av	M	M-H	M-H	M-H	2.5	4.7	Wounds on trunk. Main branch lopped @base. Moderate epicormics @ base. Dense foliage.	100%	Within proposed community building footprint.
40	High	Rem	*Eucalyptus punctata* Grey Gum	18	10		500	600	M	G	G-Av	M-L	M-H	M-H	M-H	2.7	6.0	Large low branch pruned.	100%	Within proposed community building footprint.
41	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	10	6	150 / 200		300	SM	G-Av	Av	M	M	M	M	2.0	3.0	2 stems from base. Suppressed. Lost leader. Somewhat sparse. Low branches pruned.	100%	Within proposed covered lobby.
42	High	Rem	*Eucalyptus sp.* Box Gum	18	10	250 / 200 / 150		400	M	Av	Av	M	M-H	M-H	M	2.3	4.2	Fork with inclusion @ 1.5m W side - bulge	100%	Within proposed community building footprint.
43	High	Rem	*Eucalyptus amplifolia* Cabbage Gum	15	8		300	350	M	Av	Av	M	M-H	M-H	M	2.1	3.6	Wounds on trunk. Small trees around base.	100%	Within proposed community building footprint.
44	Med	Rem	*Eucalyptus moluccana* Grey Box	16	8	300 / 200 / 200 / 200		500	M	Av-P	Av	S-M	M-H	M-H	M	2.5	5.5	Wounds on all stems. Insect damage foliage. Flowering.	100%	Within proposed community building footprint.
45	High	Rem	*Eucalyptus microcorys* Tallowwood	8	7		200	250	SM	G	G	L	M	M	M	1.8	2.4		100%	Within proposed community building footprint.
46	Med	Rem	*Eucalyptus canaliculata* Large Fruited Grey Gum	20	14		450	550	M	G-Av	Av-P	S-M	M-H	M-H	M	2.6	5.4	Large wound @ main codominant junction @4m. 2nd order large branch crossing & dogleg to NE. Large epicormics.	100%	Within proposed community building footprint.
47	Med	Rem	*Eucalyptus canaliculata* Large Fruited Grey Gum	20	12		350	400	M	G-Av	Av	M	M-H	M-H	M	2.3	4.2	Major branch failure - inclusion @4m. Cracking @ base. Borer hole & crack in NE root buttress.	100%	Within proposed gas meter utility room.
48	Low	Rem	*Eucalyptus punctata* Grey Gum	7	5		150	250	SM	Av-P	Av-P	S-M	L	L	M	1.8	2.0	Skew to NW. Lot of deadwood. Burl @base.	100%	Within proposed bin store.
49	High	Rem	*Eucalyptus punctata* Grey Gum	12	8		350	400	M	G	G-Av	M-L	M-H	M-H	M	2.3	4.2	Crack @base E side. Borer hole.	100%	Within proposed bin store.
50	Med	Rem	*Grevillea robusta* Silky Oak	7	2		100	140	J	G-Av	Av	M-L	L	L	M	1.5	2.0	Trunk against adjacent tree.	100%	Within proposed community building footprint.
51	Med	Rem	*Grevillea robusta* Silky Oak	6	2		80	100	J	G-Av	Av	M-L	L	L	M	1.5	2.0		100%	Within proposed community building footprint.
52	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	9	3		150	200	J	G-Av	Av	M-L	L-M	L-M	M	1.7	2.0	Dogled. Suppressed.	100%	Within proposed community building footprint.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
53	Med	Rem	*Eucalyptus sp.* Eucalypt	8	6	100 / 150		200	SM	G-Av	Av	M	L-M	L-M	M	1.7	2.2	Small epicormics from base. Small deadwood. Cracked bark. Unknown sp. - round gumnuts. Branches pruned @base. Flakey bark.	100%	Within proposed community building footprint.
54	Med	Rem	*Eucalyptus robusta* Swamp Mahogany	16	8		300	400	M	G-Av	G-Av	M-L	M-H	M-H	M	2.3	3.6	Insect damage to foliage; small epicormics. Possible defect @ base; concrete blocks dumped at base of tree.	100%	Within proposed community building footprint.
55	Med	Rem	*Eucalyptus moluccana* Grey Box	15	4		200	250	M	G	G-Av	M-L	M	M	H	1.8	2.4	Skewed to East, concrete blocks dumped at base of tree.	100%	Within proposed community building footprint.
56	Med	Rem	*Corymbia maculata* Spotted Gum	17	10		400	450	M	Av	G-Av	S-M	M-H	M-H	M	2.4	4.8	Included main union @8m. Fluted bark. Possible disease.	100%	Within proposed steps to field.
57	High	Rem	*Eucalyptus robusta* Swamp Mahogany	20	10		300	400	M	G-Av	G-Av	M-L	H	H	M	2.3	3.6	Some broken branches. Insect damage to foliage. Surface root buttresses.	100%	Within proposed steps to field.
58	High	Rem	*Eucalyptus sp.* Ironbark	18	12		350	400	M	G-Av	G	L	H	H	M	2.3	4.2	Slightly sparse.	100%	Within proposed community building footprint.
59	High	Rem	*Eucalyptus crebra* Narrow Leaf Ironbark	20	14		400	500	M	G-Av	G-Av	L	H	H	M	2.5	4.8	Vertical wound on trunk. Some exposed roots. Slight leaf chlorosis. Bulge NE side @base. Kino flow SE branch.	100%	Within proposed community building footprint.
60	High	Rem	*Eucalyptus sp.* Box Gum	10	3		200	250	SM	G	G	L	M	L-M	M	1.8	2.4	Low branches pruned	100%	Within proposed steps to field.
61	High	Rem	*Eucalyptus punctata* Grey Gum	20	8		400	500	M	G-Av	Av	M	M-H	M-H	M	2.5	4.8	Wounds on trunk. 4 main branches from 8m - crossing branches & inclusion.	100%	Within proposed community building footprint.
62	High	Rem	*Eucalyptus punctata* Grey Gum	12	6	100 / 300		350	M	Av	Av	M	M-H	M-H	M	2.1	3.8	Vertical wound on trunk NE side - base to 1.5m. Buttsweep to NW. Insect damage to foliage.	100%	Within proposed community building footprint.
63	High	Rem	*Eucalyptus sp.* Eucalypt	12	6		300	350	M	G	G-Av	M-L	M-H	M-H	M	2.1	3.6	Insect damaged bark. Possible inclusion @ main junction @3m. Small epicormics. Skew to S.	100%	Within proposed community building concourse.
64	Low	Rem	*Eucalyptus punctata* Grey Gum	15	12		400	500	M	Av	P	S	M	M	M	2.5	4.8	Codominant @3m with partially failed inclusion. All major junctions with poor structured inclusions. Sparse. Rubbing branches. Remove if access increased (i.e targets increase).	100%	Within proposed community building footprint.
65	High	Rem	*Eucalyptus punctata* Grey Gum	10	4		200	250	SM	G-Av	G-Av	M-L	M	M	M	1.8	2.4	Surrounded by other trees - small crown.	100%	Within proposed community building concourse.
66	High	Rem	*Eucalyptus punctata* Grey Gum	7	5		200	250	SM	G-Av	G	L	M	M	M	1.8	2.4	Suppressed by T64.	100%	Within proposed community building concourse.
67	High	Rem	*Casuarina sp.* She Oak	10	5		200	250	SM	Av	G	L	M	M	M	1.8	2.4	Suppressed by T64.	100%	Within proposed community building footprint.
68	Med	Rem	*Eucalyptus punctata* Grey Gum	15	12		400	500	M	Av	G-Av	M	M-H	M-H	M	2.5	4.8	Slight bulge @ base. Sparse. Insect damaged foliage. Small wounds on trunk.	100%	Within proposed community building footprint.
69	Med	Rem	*Eucalyptus sideroxylon* Mugga Ironbark	13	8		300	350	M	Av	G-Av	M	M	M	M	2.1	3.6	Small deadwood. Somewhat sparse.	100%	Within proposed community building concourse.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
70	Med	Rem	*Eucalyptus sideroxylon* Mugga Ironbark	8	6		250	250	M	Av	G	M	M	M	M	1.8	3.0	Suppressed. Small deadwood. Somewhat sparse.	100%	Within proposed community building footprint.
71	Med	Rem	*Eucalyptus sp.* Eucalypt	6	4	100 / 150		200	SM	G-Av	G-Av	M	L-M	L-M	M	1.7	2.2	Suppressed by T68. Low branches pruned.	100%	Within proposed community building footprint.
72	Med	Rem	*Eucalyptus sideroxylon* Mugga Ironbark	14	6N 2S 6E 2W		300	300	M	Av-P	Av	S-M	L-M	L-M	M	2.0	3.6	Dogleg trunk @1m. Sparse.	33%	Adjacent proposed community building concourse and within fill
73	Med	Unc	*Eucalyptus sideroxylon* Mugga Ironbark	14	6		300	300	M	Av	Av	M	M	M	M	2.0	3.6	Skew to NE. Somewhat sparse & small leaf size.	0%	No impact.
74	High	Ret	*Eucalyptus sp.* Stringybark	8	4		150	200	SM	G	G-Av	L	L-M	L-M	M	1.7	2.0	Codominant @1.5m - "V" union	0%	No impact.
75	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	9	3		150	200	SM	G-Av	G	M	L-M	L-M	M	1.7	2.0	Somewhat sparse. Small wound on stem @2m.	0%	No impact.
76	Low	Ret	*Eucalyptus punctata* Grey Gum	18	8		400	500	M	G-Av	Av	S-M	M-H	M-H	M	2.5	4.8	3 stems from 3m. Small wounds @ base. Inclusion @ main junctions.	0%	No impact.
77	Low	Ret	*Eucalyptus saligna* Blue Gum	20	10		400	500	M	G-Av	Av	S-M	M-H	M-H	M	2.5	4.8	Large branch pruned @ base. Borer holes in large wound from base to 2m. Moderate occlusion wood. Skew to NE.	0%	No impact.
78	High	Ret	*Eucalyptus punctata* Grey Gum	16	10		300	450	M	G-Av	Av	M	M-H	M-H	M	2.4	3.6	Wounds on trunk @ base & 2m & 3m. Cracking bark.	0%	No impact.
79 A	Med	Ret	*Angophora floribunda* Rough Bark Apple	6	3		100	150	J	G	G	M-L	L-M	L-M	M	1.5	2.0	-	0%	No impact.
79 B	Med	Ret	*Eucalyptus robusta* Swamp Mahogany	8	3		150	200	SM	G	G-Av	M	L-M	L-M	M	1.5	2.0	-	0%	No impact.
80	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	12	1N 2S 6E 1W		250	300	M	Av	Av	M	M	M	M	2.0	3.0	Skew to SE. Somewhat sparse. Small deadwood.	0%	No impact.
81	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	9	2N 3S 6E 1W		300	350	M	Av	Av	M	M	M	M	2.1	3.6	Dogleg @ base. Skew to E.	0%	No impact.
82	High	Ret	*Angophora floribunda* Rough Bark Apple	9	1N 4S 5E 1W		200	250	SM	G-Av	G	M-L	M	M	M	1.8	2.4	Skew to SE.	0%	No impact.
83 A	Med	Ret	*Eucalyptus sp.* Stringybark	10	4		200	250	SM	G	Av	M	M	M	M	1.8	2.4	Side branch assuming dominance. Somewhat suppressed.	0%	No impact.
83 B	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	5	2		150	200	SM	G-Av	Av	M	L	L	M	1.7	2.0	Suppressed by T83A. Crooked stem with wounds.	0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
84	High	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	13	5N 3S 6E 1W		400	400	M	G-Av	G	M-L	M	M	M	2.3	4.8	Dogleg trunk. Skew to E.	0%	No impact.
85	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	15	6		350	350	M	Av	G-Av	M	M	M	M	2.1	4.2	Sparse. Small deadwood.	0%	No impact.
86	High	Ret	*Eucalyptus sp.* Eucalypt	12	3		200	250	SM	G-Av	G	L	M	M	M	1.8	2.4	Somewhat suppressed.	0%	No impact.
87	High	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	16	6		300	350	M	G-Av	G-Av	M-L	M	M	M	2.1	3.6	Small birds nest at top	0%	No impact.
88	Med	Ret	*Angophora floribunda* Rough Bark Apple	6	2		100	150	J	G-Av	G	M-L	L	L	M	1.5	2.0	Small epicormics. Insect damage.	0%	No impact.
89	High	Ret	*Eucalyptus robusta* Swamp Mahogany	8	8	200 / 100		250	M	G	G	M-L	M	M	M	1.8	2.7	Codominant @1.5m. Some insect damaged foliage. Suppressed.	0%	No impact.
90	Med	Ret	*Angophora floribunda* Rough Bark Apple	10	8		250	250	M	Av	G	M	M	M	M	1.8	3.0	(platey bark) Codominant @2m.	0%	No impact.
91	High	Ret	*Angophora floribunda* Rough Bark Apple	10	7		250	300	M	G-Av	G	L	M	M	M	2.0	3.0	Codominant @2m with inclusion.	0%	No impact.
92	Med	Ret	*Angophora floribunda* Rough Bark Apple	8	3		100	150	SM	Av	Av	M	L	L	M	1.5	2.0	Suppressed.	0%	No impact.
93	High	Ret	*Eucalyptus microcorys* Tallowwood	10	8		200	200	M	G-Av	G	M-L	M	M	M	1.7	2.4	Somewhat sparse. Small epicormics.	0%	No impact.
94	Med	Ret	*Angophora floribunda* Rough Bark Apple	7	3		100	150	J	Av	Av	M	L	L	M	1.5	2.0	Suppressed	0%	No impact.
95	Med	Ret	*Angophora floribunda* Rough Bark Apple	6	2N 1S 5E 1W	100 / 100		150	SM	Av	Av	M	L	L	M	1.5	2.0	Suppressed. Skew to E. Codominant @1m.	0%	No impact.
96	High	Ret	*Eucalyptus punctata* Grey Gum	16	12		400	450	M	G-Av	Av	M	M-H	M-H	M	2.4	4.8	Wounds on trunk. Somewhat sparse.	0%	No impact.
97	High	Ret	*Eucalyptus punctata* Grey Gum	15	8		250	300	M	G-Av	G	M-L	M-H	M-H	M	2.0	3.0	Small wounds on trunk. Expansion crack @base S side. Somewhat sparse.	0%	No impact.
98	High	Ret	*Corymbia maculata* Spotted Gum	14	10		300	350	M	G	G-Av	L	M-H	M-H	M	2.1	3.6	-	0%	No impact.
99 A	Med	Ret	*Eucalyptus tereticornis* Forest Red Gum	15	6		200	250	SM	G-Av	G-Av	M	M	M	M	1.8	2.4	Wounds @ base. Straight trunk. Lost leader.	0%	No impact.
99 B	Med	Ret	*Eucalyptus tereticornis* Forest Red Gum	13	5		200	300	SM	G	G-Av	M	M	M	M	1.5	2.4	Wounds @ base. Dogleg trunk. Crossing branches. Crownshy.	0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
100	Med	Ret	*Corymbia maculata* Spotted Gum	14	6		250	250	M	G	G-Av	M	M	M	M	1.8	3.0	Multistem @3m - tight union.	0%	No impact.
101	Med	Ret	*Eucalyptus sp.* Stringybark	6	4		100	150	SM	G-Av	G-Av	M	L-M	L-M	M	1.5	2.0	Somewhat chlorotic foliage. Main branch pruned @1.5m.	0%	No impact.
102 A	High	Ret	*Eucalyptus sp.* Stringybark	10	5		200	250	SM	G-Av	G	M-L	M	M	M	1.8	2.4	Small suckers on trunk.	0%	No impact.
102 B	High	Ret	*Eucalyptus sp.* Stringybark	8	2N 5S 3E 5W		200	250	M	G-Av	G	M-L	M	M	M	1.8	2.4	Large branch pruned @1m. Suppressed.	0%	No impact.
103	Med	Ret	*Callistemon salignus* Willow Bottlebrush	6	3		150	200	SM	Av	G	M	L	L	M	1.7	2.0	-	0%	No impact.
104	High	Ret	*Corymbia maculata* Spotted Gum	17	8		300	300	M	G	G	L	M-H	M-H	M	2.0	3.6	Dominant crown.	0%	No impact.
105	High	Ret	*Eucalyptus tereticornis* Forest Red Gum	18	5		250	300	M	Av	G	M-L	M-H	M-H	M	2.0	3.0	Insect damaged foliage. Somewhat sparse.	0%	No impact.
106	Low	Ret	*Eucalyptus bicostata* Southern Blue Gum	12	6		300	300	M	G-Av	P	S	M	M	M	2.0	3.6	2 stems from 1.5m. Wound @ junctions - poor form.	0%	No impact.
107	Low	Ret	*Eucalyptus tereticornis* Forest Red Gum	18	4		250	300	M	Av	P	S	M	M	M	2.0	3.0	Base skew to N. Longitudinal cracks in stem & wounds. Lost leader. Major inclusion @ main remaining union @10m.	0%	No impact.
108	Med	Ret	*Corymbia maculata* Spotted Gum	17	8	200 / 250		350	M	G-Av	Av	M	M	M	M	2.1	3.9	Codominant @1m - possible inclusion. Kino flow.	0%	No impact.
109	High	Ret	*Corymbia maculata* Spotted Gum	16	5		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0	Vertical fluting in bark on trunk from base to 1.5m.	0%	No impact.
110	Med	Ret	*Eucalyptus tereticornis* Forest Red Gum	16	4		200	300	SM	Av	G-Av	M	M	M	M	2.0	2.4	Wounds @ base. Kino flow. Small dieback.	0%	No impact.
111	Med	Ret	*Eucalyptus tereticornis* Forest Red Gum	6	5N 1S 3E 2W		300	300	M	G	G-Av	M	M	M	M	2.0	3.6	Skew to N.	0%	Proposed oval at edge of TPZ.
112	High	Ret	*Corymbia maculata* Spotted Gum	18	6		300	400	M	G-Av	G	M	M-H	M-H	M	2.3	3.6	Large exposed root damaged NE side 2m from base. "Sunken" areas of bark & small necrotic patches.	0%	No impact.
113	High	Rem	*Angophora floribunda* Rough Bark Apple	12	8		300	300	M	G	G-Av	M-L	M	M	M	2.0	3.6	Codominant @2m - minor inclusion appears stable. Crossing branches.	33%	Approx. location - not on survey. Proposed oval will be a major encroachment in TPZ & the entre TPZ will be in fill.
114	Low	Ret	*Eucalyptus tereticornis* Forest Red Gum	15	3		250	250	SM	Av	Av-P	S	L-M	L-M	M	1.8	3.0	Large vertical W from base to 2.5m. Exposed heartwood. Minor occlusion. Damaged roots. Small crown volume.	0%	No impact.
115	High	Ret	*Eucalyptus tereticornis* Forest Red Gum	18	6		200	250	M	Av	G	M-L	M	M	M	1.8	2.4	Wound @ base. Damage roots. Codominant @3m - wide fork. Small deadwood.	0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
116	Med	Ret	*Corymbia maculata* Spotted Gum	13	4		200	300	SM	Av	Av	M	M	M	M	2.0	2.4	Wound @2-3.5m. Somewhat sparse.	0%	No impact.
117	Med	Ret	*Corymbia maculata* Spotted Gum	16	6		250	300	M	G-Av	G	M	M	M	M	2.0	3.0	Root buttresses exposed - some damage. Possible borer under bark.	0%	No impact.
118	Low	Ret	*Eucalyptus tereticornis* Forest Red Gum	9	2		80	120	J	G	Av	S-M	L	L	M	1.5	2.0	Wounds @ base.	0%	No impact.
119	High	Rem	*Eucalyptus sp.* Ironbark	8	5N 2S 5E 2W		250	300	M	G-Av	G-Av	M-L	M	M	M	2.0	3.0	Skew to NE.	100%	Within proposed oval.
120	High	Rem	*Eucalyptus robusta* Swamp Mahogany	14	8		250	250	M	G-Av	G	M-L	M-H	M-H	M	1.8	3.0	Small deadwood. Slight skew to N.	100%	Within proposed oval.
121	X	Rem	*Dead tree*										L							1.2m from proposed oval. Remove tree.
122	High	Rem	*Eucalyptus robusta* Swamp Mahogany	12	6		200	250	M	G	G	L	M	M	M	1.8	2.4	Skew to N	100%	Within proposed oval.
123	Med	Rem	*Eucalyptus sideroxylon* Mugga Ironbark	13	5N 1S 5E 3W		300	300	M	G-Av	G-Av	M	M	M	M	2.0	3.6	Low branches pruned. Skew to NE. Included main branch @4m - prune NE branch.	100%	Within proposed oval.
124	High	Rem	*Eucalyptus sp.* Eucalypt	8	6		250	250	M	G	G-Av	M-L	M	M	M	1.8	3.0	Suppressed.	100%	Within proposed oval.
125	High	Rem	*Casuarina sp.* She Oak	16	6		350	400	M	G	G-Av	L	M-H	M-H	M	2.3	4.2	Exposed roots damaged.	100%	Within proposed oval.
126	High	Rem	*Eucalyptus punctata* Grey Gum	18	8		400	450	M	G-Av	G	L	H	H	M	2.4	4.8	Small wounds @ base. Codominant @5m - minor inclusion. Small deadwood.	100%	Within proposed oval.
127	Low	Rem	*Eucalyptus tereticornis* Forest Red Gum	10	6		200	250	SM	Av	Av-P	S-M	L-M	L-M	M	1.8	2.4	Lot of wounds on trunk & at main junctions. Grass poisoned around base. Sparse.	100%	Within proposed oval.
128	High	Rem	*Eucalyptus canaliculata* Large Fruit Grey Gum	15	10		250	300	M	G-Av	G	L	M-H	M-H	M	2.0	3.0	Some insect damage to foliage.	100%	Within proposed oval.
129	High	Rem	*Casuarina sp.* She Oak	12	7		300	350	M	G	G-Av	M-L	M	M	M	2.1	3.6	Somewhat suppressed. Mower damage to root buttresses & trunk.	100%	Within proposed oval.
130	High	Rem	*Casuarina sp.* She Oak	17	8		400	500	M	G-Av	G	M-L	M-H	M-H	M	2.5	4.8	Exposed roots with some damage. Low branches pruned.	100%	Within proposed oval.
131	High	Rem	*Eucalyptus robusta* Swamp Mahogany	15	8		300	400	M	G	G-Av	M-L	M-H	M-H	M	2.3	3.6	Codominant @2.5m. Skew to E. Low branches pruned.	100%	Within proposed oval.
132	High	Rem	*Corymbia maculata* Spotted Gum	18	8		300	400	M	G-Av	G	M-L	M-H	M-H	M	2.3	3.6	Codominant @2.5m - "big ears" below. Insect damage to foliage. Possible inclusion @ main 2nd order junction.	100%	Within proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
133	Med	*Rem	*Eucalyptus sideroxylon* Mugga Ironbark	11	6		200	250	M	Av	Av	S-M	M	M	M	1.8	2.4	Dogleg stem, possible hazard beam @ weak points @ 4m. Somewhat suppressed & sparse.	100%	Proposed oval will be a minor encroachment in TPZ & entire TPZ will be in fill.
134	High	*Rem	*Eucalyptus sp.* Grey Bark Eucalypt	11	7	150 / 150		200	M	G	G-Av	M-L	M	M	M	1.7	2.6	Codominant @1m - tight union.	100%	Within proposed oval.
135	High	*Rem	*Eucalyptus sp.* Eucalypt	12	5N 3S 4E 5W	250 / 300		300	M	G-Av	G-Av	M-L	M	M	M	2.0	4.7	Wound on inside of N stem - moderate occlusion. Skew to N.	100%	Proposed fill will cover entire TPZ.
136	High	*Rem	*Casuarina sp.* She Oak	14	6		200	250	M	G-Av	G	L	M	M	M	1.8	2.4	Small deadwood.	100%	Proposed cut and fill will be a major encroachment in TPZ.
137	High	Unc	*Casuarina sp.* She Oak	16	10		450	550	M	G	Av	M	M-H	M-H	M	2.6	5.4	Moderate inclusions @ upper junctions. Mower damage to root buttresses. Hazard wedge small branch growing from main junction. Prune. Large failed inclusion E side @4m.	48%	Proposed fill will be a major encroachment in TPZ.
138	Med	*Rem	*Eucalyptus punctata* Grey Gum	12	6N 2S 4E 5W	200 / 250		400	M	Av	Av	S-M	M	M	M	2.3	3.9	Wounds @ base. Codominant @ 1.2m. Moderate amount of deadwood, epicormics, dieback. Skew to N. Low branches pruned.	60%	Proposed cut and fill will be a major encroachment in TPZ. Consider design modification to avoid regrading in TPZ.
139	High	Unc	*Casuarina sp.* She Oak	16	8		300	350	M	G	G-Av	M-L	M-H	M-H	M	2.1	3.6	Vertical wound on N side of trunk @0.5-1.5m. Mower damage.	100%	Proposed cut and fill will be a major encroachment in TPZ. Consider design modification to avoid regrading in TPZ.
140	High	*Rem	*Casuarina sp.* She Oak	15	10		300	350	M	G	G-Av	M-L	M-H	M-H	M	2.1	3.6	Partially failed inclusion @10m height - 100ø & 150ø branches. Mower damage.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
141	High	*Rem	*Eucalyptus sp.* Rough Bark Eucalypt	10	5		200	250	M	G-Av	G-Av	M-L	M	M	M	1.8	2.4	Skew to N. Codominant @2m. Small deadwood. Somewhat chlorotic foliage.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
142 A	High	*Rem	*Casuarina cunninghamiana* River Oak	16	5		200	250	SM	G-Av	G-Av	M-L	M	M	M	1.8	2.4	Mower damage. Wounds on trunk. Deadwood.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
142 B	Med	*Rem	*Casuarina cunninghamiana* River Oak	13	3		150	200	SM	Av	Av	M	L-M	L-M	M	1.7	2.0	Wounds @ base - mower damage. Small epicormics on trunk. Suppressed.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
143 A	High	*Rem	*Casuarina cunninghamiana* River Oak	18	7		250	300	M	G-Av	G	L	M-H	M-H	M	2.0	3.0	Small deadwood. Small mower damage.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
143 B	High	*Rem	*Casuarina cunninghamiana* River Oak	16	5		150	200	SM	G-Av	G-Av	M-L	M	M	M	1.7	2.0	Large roots damaged.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
144	High	*Rem	*Casuarina cunninghamiana* River Oak	13	4		150	200	M	G	G	M-L	M	M	M	1.7	2.0	Exposed roots damaged. Low branches pruned. Small epicormics. Small cracks in bark.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.
145	Low	Rem	*Melaleuca armillaris* Bracelet Honey Myrtle	9	7		350	450	M-OM	Av-P	Av	S	L-M	L-M	M	2.4	4.2	Most of foliage dead except tips. Wound @ base. Close to floodlight padmount.	100%	Within regrading. Consider removal due to condition.
146	Med	*Rem	*Casuarina cunninghamiana* River Oak	14	5		150	200	SM	Av	G	L	L-M	L-M	M	1.7	2.0	Exposed & damaged roots. Small vertical wounds on lower trunk.	100%	No impact if regrading is avoided in TPZ. Within regrading. Consider design modification to avoid regrading TPZ.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
147	Med	*Rem	*Casuarina cunninghamiana* River Oak	15	6		250	300	M	G-Av	G	L	M	M	M	2.0	3.0	Low branches pruned. At edge of drain culvert under road.	100%	Within regrading. Consider design modification.
148	Med	*Rem	*Melaleuca armillaris* Bracelet Honey Myrtle	11	6		600	650	M-OM	Av	G-Av	S-M	M	M	M	2.8	7.2	Burls on trunk. Low branches arching toward field to W. Multistem @1.5m with hollow - possible habitat. Lots of ants. Twisting grain with possible crack @ junction NE side.	100%	Within regrading. Consider design modification.
149	High	*Rem	*Casuarina cunninghamiana* River Oak	20	8		450	500	M	G	G-Av	M	M-H	M-H	M	2.5	5.4	Good form & dense healthy foliage. Some witches brooms. Basal hollow visible between root buttresses. Resistograph if retained (@ base)	100%	Within regrading. Consider design modification.
150	High	*Rem	*Casuarina cunninghamiana* River Oak	13	5		250	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.0	Somewhat sparse. Some witches brooms.	100%	Within regrading. Consider design modification.
151	High	*Rem	*Casuarina cunninghamiana* River Oak	15	5		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6	-	100%	Within regrading. Consider design modification.
152	High	*Rem	*Casuarina cunninghamiana* River Oak	14	6		250	300	M	G-Av	G	L	M-H	M-H	M	2.0	3.0	-	100%	Within regrading. Consider design modification.
153	High	*Rem	*Casuarina cunninghamiana* River Oak	15	4N 2S 4E 2W		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6	Wounds @ base. Some deadwood.	100%	Within regrading. Consider design modification.
154	High	*Rem	*Casuarina cunninghamiana* River Oak	15	5	200 / 150		350	M	G	G-Av	M-L	M-H	M-H	M	2.1	3.0	Witches brooms. Codominant @ base - stems partially grafted. Possible decay. Mower damage. Low branches pruned.	100%	Within regrading. Consider design modification.
155	High	*Rem	*Casuarina cunninghamiana* River Oak	15	5		200	250	M	G	G-Av	M	M-H	M-H	M	1.8	2.4	Wounds on trunk. Low branches pruned. Mower damage. Wound @ base - possible decay.	100%	Within regrading. Consider design modification.
156	High	*Rem	*Casuarina cunninghamiana* River Oak	14	2N 5S 3E 4W		300	350	M	G	G	L	M-H	M-H	M	2.1	3.6	Skew to S.	100%	Within regrading. Consider design modification.
157	High	*Rem	*Casuarina cunninghamiana* River Oak	17	4N 5S 2E 3W		450	500	M	G	G	M-L	M-H	M-H	M	2.5	5.4	Large buttresses - possible basal hollow. Mower damage. Witches brooms. Low branches pruned.	100%	Within regrading. Consider design modification.
158	High	*Rem	*Casuarina cunninghamiana* River Oak	17	5N 3S 3E 6W		450	500	M	G	G	L	M-H	M-H	M	2.5	5.4	Low branches pruned.	100%	Within regrading. Consider design modification.
159	Med	*Rem	*Casuarina cunninghamiana* River Oak	12	7		400	450	M	G-Av	Av	S-M	M-H	M-H	M	2.4	4.8	Wound on N & S side. Completely open from 0.5-1.5m - hollow extends to base. Possible habitat. Possible termite fluting inside. Good response wood. Small deadwood.	100%	Within regrading. Consider design modification.
160	High	*Rem	*Eucalyptus sp.* Eucalypt	14	12		400	500	M	G-Av	G-Av	M-L	M-H	M-H	M	2.5	4.8	Somewhat sparse. Large surface roots damaged. Large dead branch @3m.	100%	Within regrading. Consider design modification.
161	Med	Rem	*Eucalyptus punctata* Grey Gum	15	3N 4S 4E 5W	250 / 300		550	M	G-Av	Av	M	M-H	M-H	M	2.6	4.7	Wounds @ base & bulge. Codominant @1m. Roots damaged @ base. Possible decay @ base. Damage @ most junctions.	100%	Within proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
162	Low	Rem	*Eucalyptus punctata* Grey Gum	13	8		250	300	M	G-Av	Av-P	S	M-H	M-H	M	2.0	3.0	Codominant @4m with inclusion which has partially failed. Wounds on trunk. Prune Eastern branch or remove tree especially if conditions altered or targets increase.	100%	Within proposed oval.
163	High	Rem	*Eucalyptus punctata* Grey Gum	18	12		400	500	M	G-Av	Av	M	M-H	M-H	M	2.5	4.8	Wounds on trunk. Borer holes in heartwood. Damaged roots. Wound @ main junction @4m.	100%	Within proposed oval.
164	Low	Rem	*Eucalyptus punctata* Grey Gum	14	8		300	350	M	G-Av	P	S	M-H	M-H	M	2.1	3.6	Suppressed by T163. Large wound & burl on SW side of trunk with Phellinus fruiting body. Bulge. Roots damage. Wounds on trunk.	100%	Within proposed oval.
165	Med	Rem	*Callistemon viminalis* Weeping Bottlebrush	13	5N 3S 5E 2W		400	450	M	Av	Av	S-M	L-M	L-M	M	2.4	4.8	Roots damaged. Skew to NE. Moderate deadwood.	100%	Within proposed oval.
166	High	Rem	*Corymbia maculata* Spotted Gum	17	8		300	400	M	G-Av	G-Av	M-L	M-H	M-H	M	2.3	3.6	Damaged roots.	100%	Within proposed oval.
167 A	Med	Rem	*Callistemon viminalis* Weeping Bottlebrush									M	M			1.5	2.0	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
167 B	Med	Rem	*Eucalyptus sp.* Eucalypt									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
167 C	Med	Rem	*Eucalyptus sp.* Eucalypt									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
168 A	Med	Rem	*Callistemon viminalis* Weeping Bottlebrush									M	M			1.5	2.0	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
168 B	Med	Rem	*Eucalyptus sp.*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
169 A	Med	Rem	*Casuarina sp.* She Oak									M	M			1.5	2.0	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
169 B	Med	Rem	*Casuarina sp.* She Oak									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
170 A	High	Rem	*Eucalyptus robusta* Swamp Mahogany			290	200/ 200	300				M	M-H			2.0	3.4	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
170 B	Med	Rem	*Casuarina sp.* She Oak									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
171 A	Med	Rem	*Casuarina sp.* She Oak									M	M			1.5	2.0	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
171 B	Med	Rem	*Callistemon viminalis* Weeping Bottlebrush									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
172 A	High	Rem	*Eucalyptus punctata* Grey Gum				400	500				M	M-H			2.5	4.8	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
172 B	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
172 C	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.

Tree No.		Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
172	D	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
173	A	High	Rem	*Eucalyptus punctata* Grey Gum				350	450				M	M-H			2.4	4.2	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
173	B	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
173	C	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
173	D	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
173	E	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
174	A	High	Rem	*Eucalyptus punctata* Grey Gum				350	400				M	M-H			2.3	4.2	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
174	B	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
174	C	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
174	D	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
175	A	High	Rem	*Eucalyptus punctata* Grey Gum									M	M-H			1.5	2.0	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
175	B	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
175	C	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
175	D	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
175	E	High	Rem	*Eucalyptus punctata* Grey Gum									M	M-H			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
176	A	High	Rem	*Eucalyptus punctata* Grey Gum									M	M-H			1.5	2.0	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
176	B	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
176	C	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
176	D	Med	Rem	*Group of Eucalyptus & Casuarina*									M	M			1.5	2.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
177	A	High	Rem	*Eucalyptus punctata* Grey Gum				450	550				M	M-H			2.6	5.4	In group of trees between the 2 sports ovals.	100%	Within proposed oval.
177	B	Med	Rem	*Group of Eucalyptus & Casuarina*				200	250				M	M			1.8	2.4	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.

Tree No.		Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
177	C	Med	Rem	*Group of Eucalyptus & Casuarina*				250	300				M	M			2.0	3.0	Not on survey - approx. location. In group of trees between the 2 sports ovals.	100%	Within proposed oval.
178		High	Rem	*Corymbia maculata* Spotted Gum				300	350				M-L	M-H			2.1	3.6	In row of trees along southern boundary - additional trees not on survey.	100%	Within proposed oval.
179	A	Med	*Rem	*Corymbia maculata* Spotted Gum				200	300				S-M	M			2.0	2.4	In row of trees along southern boundary - additional trees not on survey.	100%	Within regrading. Consider design modifications.
179	B	High	*Rem	*Casuarina cunninghamiana* River Oak				300	350				M-L	M			1.5	3.6	Not on survey - approx. location.	100%	Within regrading. Consider design modifications.
180		Med	*Rem	*Corymbia maculata* Spotted Gum				250	300				M	M			2.0	3.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within regrading. Consider design modifications.
181		Low	*Rem	*Eucalyptus tereticornis* Forest Red Gum				400	500				S	M-H			2.5	4.8	In row of trees along southern boundary - additional trees not on survey.	100%	Within regrading. Consider design modifications.
182		Med	*Rem	*Eucalyptus punctata* Grey Gum				350	400				S-M	M-H			2.3	4.2	In row of trees along southern boundary - additional trees not on survey.	100%	Within regrading. Consider design modifications.
183		Med	*Rem	*Corymbia maculata* Spotted Gum										L-M			1.5	2.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within regrading. Consider design modifications.
184		Med	Rem	*Pittosporum undulatum* Sweet Pittosporum										L-M			1.5	2.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within proposed oval.
185		Med	Rem	*Eucalyptus microcorys* Tallowwood										L-M			1.5	2.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within proposed oval.
186		Med	Rem	*Eucalyptus microcorys* Tallowwood										L-M			1.5	2.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within proposed oval.
187		High	Rem	*Eucalyptus microcorys* Tallowwood	13	10	300 / 200 / 250 / 200		500	M	G	G-Av	M-L	M-H	M-H	M	2.5	5.8	Multistem from base. Possible inclusions.	100%	Within proposed oval.
188		Med	Rem	*Eucalyptus microcorys* Tallowwood										M			1.5	2.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within proposed oval.
189		Med	Rem	*Angophora floribunda* Rough Bark Apple										M			1.5	2.0	In row of trees along southern boundary - additional trees not on survey.	100%	Within proposed oval.
190		High	Unc	*Corymbia maculata* Spotted Gum	19	8		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0	-	0%	Avoid regrading in TPZ.
191		High	Ret	*Eucalyptus tereticornis* Forest Red Gum	22	15		850	950	M	G-Av	G-Av	M-L	H	H	M-H	3.2	10.2	Vertical growth cracks in bark. Exposed roots. On mound. Small wounds. Bulge @ main union. Somewhat sparse. Large deadwood. Crossing branches.	<10%	Minor encroachment if regrading is avoided in TPZ.
192		High	Ret	*Corymbia maculata* Spotted Gum	20	12		450	550	M	G-Av	G	L	M-H	M-H	M	2.6	5.4	Small wound @ base. Buttresses. Moderate deadwood.	<10%	Minor encroachment if regrading is avoided in TPZ.
193		High	Rem	*Casuarina sp.* She Oak	18	5		250	350	M	G	G-Av	L	M	M	M	2.1	3.0	Codominant @8m with inclusions.	100%	Within proposed oval.
194		High	Rem	*Eucalyptus microcorys* Tallowwood	14	6	200 / 150		300	M	G-Av	G-Av	M-L	M	M	M	2.0	3.0	Codominant from base.	100%	Within proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
195	High	Rem	*Eucalyptus sp.* Ironbark	14	8	300 / 200		300	M	G	G	L	M-H	M-H	M	2.0	4.3	Exposed roots.	100%	Within proposed oval.
196	Low	Rem	*Eucalyptus microcorys* Tallowwood	10	5		200	250	SM	G-Av	Av	S-M	L-M	L-M	M	1.8	2.4	Vertical wound E side from 0.5-2m - moderate occlusion. Small epicormics. Possibly failed inclusion.	>10%	Consider for removal due to condition. Close to proposed oval.
197	Med	Ret	*Callistemon viminalis* Weeping Bottlebrush	9	8	200 / 350		450	M-OM	G-Av	Av	M	M	M	M	2.4	4.8	-	0%	No impact if regrading is avoided in TPZ.
198	High	Rem	*Corymbia citriodora* Lemon-Scented Gum	20	12		300	350	M	Av	G-Av	L	M-H	M-H	M	2.1	3.6	Sparse & small leaf size.	100%	Within proposed cricket nets.
199	High	Rem	*Eucalyptus sp.* Ironbark	14	6		200	250	SM	G-Av	G-Av	M-L	M	M	M	1.8	2.4	Codominant @2m. Somewhat suppressed.	100%	Within proposed cricket nets.
200	High	Rem	*Eucalyptus sp.* Ironbark	22	10	250 / 300		450	M	G-Av	G-Av	M-L	M-H	M-H	M	2.4	4.7	Codominant @1m - slight inclusion. Inclusions @ next main junctions.	100%	Within proposed cricket nets.
201 A	Med	*Rem	*Eucalyptus sp.* Eucalypt				250	300	M			M-L	M		M	2.0	3.0	In row of trees along southern boundary - additional trees not on survey.	>10%	Proposed regrading close to base.
201 B	Med	*Rem	*Eucalyptus tereticornis* Forest Red Gum				250	300	M			M-L	M		M	2.0	3.0	In row of trees along southern boundary - additional trees not on survey.	0%	No impact if regrading is avoided in TPZ.
202	Med	Ret	*Corymbia maculata* Spotted Gum	20	10		450	550	M	G-Av	Av	S-M	M-H	M-H	M	2.6	5.4	Large wound S side from 0.5-2.5m. Borer holes in heartwood. Small occlusion wood. Codominant @4m. Deadwood, epicormics.	0%	No impact if regrading is avoided in TPZ.
203	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum				200	250	SM				M		M	1.8	2.4	-	0%	No impact if regrading is avoided in TPZ.
204 A	Med	Rem	*Corymbia citriodora* Lemon-Scented Gum				250	300	SM				M		M	2.0	3.0	Sparse.	100%	Within proposed cricket nets.
204 B	Med	Rem	*Corymbia citriodora* Lemon-Scented Gum				250	300	SM				M		M	2.0	3.0	Not on survey - approx. location.	100%	Within proposed cricket nets.
205	Med	Ret	*Schinus areira* Peppercorn	9	5		200	250	M	G-Av	G-Av	L	M	M	L	1.8	2.4	-	0%	No impact if regrading is avoided in TPZ.
206	High	Ret	*Corymbia maculata* Spotted Gum	22	14		450	500	M	G	G	L	H	H	M	2.5	5.4	-	0%	No impact if regrading is avoided in TPZ.
207	High	Ret	*Casuarina sp.* She Oak	16	8		450	550	M	G	G	M-L	M-H	H	M-H	2.6	5.4	Codominant @ 2m. At corner of entry road & bus road.	0%	No impact if regrading is avoided in TPZ.
208	High	Ret	*Grevillea robusta* Silky Oak	14	10		300	400	M	G-Av	G	L	M-H	H	M	2.3	3.6	In row of trees on eastern boundary bordering Silverwater CC.	0%	No impact if regrading is avoided in TPZ.
209	High	Ret	*Melaleuca quinquenervia* Broad Leafed Paper Bark	10	6		300	450	M	G	G	L	M-H	M-H	M	2.4	3.6	In row of trees on eastern boundary bordering Silverwater CC. Skewed to SW.	0%	No impact if regrading is avoided in TPZ.
210	High	Ret	*Eucalyptus punctata* Grey Gum	14	8		300	400	M	G	G	L	M-H	M-H	M	2.3	3.6	In row of trees on eastern boundary bordering Silverwater CC.	0%	No impact if regrading is avoided in TPZ.
211	High	Ret	*Eucalyptus tereticornis* Forest Red Gum				450	500					M-H			2.5	5.4	In row of trees on eastern boundary bordering Silverwater CC.	0%	No impact if regrading is avoided in TPZ.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
212	High	Ret	*Eucalyptus tereticornis* Forest Red Gum				400	450					M-H			2.4	4.8	In row of trees on eastern boundary bordering Silverwater CC.	22%	Parking space close to base.
213	High	Ret	*Eucalyptus punctata* Grey Gum				250	300					M-H			2.0	3.0	In row of trees on eastern boundary bordering Silverwater CC.	18%	Parking space close to base.
214	High	Ret	*Corymbia citriodora* Lemon-Scented Gum				300	350					M-H			2.1	3.6	In row of trees on eastern boundary bordering Silverwater CC.	25%	Parking spaces on 2 sides - major encroachment.
215	Low	Ret	*Callistemon viminalis* Weeping Bottlebrush	7	5	150 / 150	220	250	M	Av	Av	S-M	L-M	L-M	M	1.8	2.6	In row of trees on eastern boundary bordering Silverwater CC. Codominant @ 0.5m. Wound to trunk @ 0.5-1m, sparse foliage.	>10%	Parking space close to base.
216	High	Ret	*Corymbia citriodora* Lemon-Scented Gum				300	400					M-H			2.3	3.6	In row of trees on eastern boundary bordering Silverwater CC.	>10%	Parking space close to base.
217	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	9	6		200	250	M	G-Av	G	M-L	M	M	M	1.8	2.4	In row of trees on eastern boundary bordering Silverwater CC.	>10%	Parking space close to base.
218	High	Ret	*Corymbia citriodora* Lemon-Scented Gum				500	600					M-H			2.7	6.0	In row of trees on eastern boundary bordering Silverwater CC.	40%	Parking at base conflicts with trunk.
219	High	Ret	*Casuarina sp.* She Oak				500	600					M-H			2.7	6.0	In row of trees on eastern boundary bordering Silverwater CC.	<10%	Minor encroachment from proposed parking.
220	High	Ret	*Erythrina x sykesii* Coral Tree										M			1.5	2.0	In row of trees on eastern boundary bordering Silverwater CC.	0%	No impact.
221	High	Ret	*Corymbia citriodora* Lemon-Scented Gum				350	450					M-H			2.4	4.2	In row of trees on eastern boundary bordering Silverwater CC. Many large exposed roots growing towards driveway with significant mechanical damage.	>10%	Parking space close to base.
222	High	Ret	*Casuarina sp.* She Oak										M			1.5	2.0	In row of trees on eastern boundary bordering Silverwater CC.	0%	No impact.
223	Med	*Rem	*Eucalyptus punctata* Grey Gum	17	5		200	300	M	Av-P	Av	S	M	M	M	2.0	2.4	In row of trees on eastern boundary bordering Silverwater CC. Extensive defoliation from insects. Sparse, deadwood, dieback.	100%	Within proposed parking space. Consider design modification to retain this tree.
224	High	Ret	*Casuarina sp.* She Oak										M			1.5	2.0	In row of trees on eastern boundary bordering Silverwater CC.	10%	Parking space in TPZ.
225	Med	Ret	*Callistemon viminalis* Weeping Bottlebrush	9	6		150	270		G-Av	Av	S-M	L-M	L-M	M	1.9	2.0	In row of trees on eastern boundary bordering Silverwater CC. Codominant stem removed @ 1m.	>10%	Parking space close to base.
226	High	Ret	*Casuarina sp.* She Oak										M			1.5	2.0	In row of trees on eastern boundary bordering Silverwater CC.	10%	Parking in TPZ.
227	High	Ret	*Eucalyptus punctata* Grey Gum	20	5N 8S 6E 6W		400	400	M	G-Av	G-Av	L	H	H	M	2.3	4.8	Bifurcated @2m. Inclusion @ one junction NE side @6m. Other junctions OK.	>10%	Major encroachment from proposed parking on 2 sides.
228	High	*Rem	*Corymbia maculata* Spotted Gum	20	8		300	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.6	Bifurcated @3m. Branch pruned @ junction. Small wound on trunk. Possible lost leader.	100%	Within proposed parking space. Consider design modification to retain this tree.
229	High	Unc	*Casuarina cunninghamiana* River Oak	19	5		200	300	M	G-Av	G-Av	M-L	M	M	M	2.0	2.4	Other Casuarinas & small trees around.	<10%	Cricket nets close to base.
230	High	Ret	*Casuarina cunninghamiana* River Oak	21	8		300	400	M	G-Av	G	L	M-H	M-H	M	2.3	3.6	Other Casuarinas & small trees around. Buttresses @ base. Small deadwood. Possible lost leader.	0%	No impact if regrading is avoided in TPZ.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
231	High	*Rem	*Group of Casuarina*	15-20	3-6		200	300	SM	G-Av	G	L	M	M	M	2.0	2.4	About 15 Casuarinas not on survey. Small Grey Gums also not on survey.	100%	Within proposed cricket nets.
232	Low	*Rem	*Corymbia maculata* Spotted Gum	18	10		350	400	M	Av	Av	S	M-H	M-H	M	2.3	4.2	Large wound @ base - kino, borer holes. Wound @ main junction @ 5m with kino flow. Somewhat sparse. Divot lines under bark - borer?	100%	Within proposed cricket nets.
233	Med	*Rem	*Corymbia maculata* Spotted Gum	13	5		200	250	M	Av	G-Av	M	M	M	M	1.8	2.4	Bifurcated @3m - possible inclusion. Lot of epicormics. Insect damaged foliage. Somewhat suppressed by T232.	100%	Within proposed cricket nets.
234	High	Ret	*Corymbia maculata* Spotted Gum	20	12		500	550	M	G	G	L	H	H	M	2.6	6.0	Dominant crown. Good form. Small epicormics & deadwood.	<10%	Minor encroachment if excavation is limited to footprint.
235	High	*Rem	*Corymbia citriodora* Lemon-Scented Gum	25	8		300	350	M	Av	G	M-L	M-H	M-H	M	2.1	3.6	Somewhat sparse. Skew to SE. Some deadwood. Dead stubs. Wound on N branch 100∅ @12m - prune	100%	Within proposed regrading - retain by avoiding regrading if possible.
236	High	*Rem	*Corymbia citriodora* Lemon-Scented Gum	26	10		450	500	M	G-Av	Av	M	H	H	M	2.5	5.4	Sparse. Compression fork bifurcation @4m with inclusion, kino flow. Small deadwood. Group of 4 Casuarinas to E. Large exposed roots damaged to S.	100%	Within proposed regrading - retain by avoiding regrading if possible.
237	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	15	4		200	250	SM	Av	G-Av	M-L	L-M	L-M	M	1.8	2.4	Inclusion of large N branch @ base. Pendulous foliage. Pole form. Small wound @ base with lots of frass.	0%	No impact if regrading is avoided in TPZ.
238	Med	Ret	*Eucalyptus sp.* Ironbark	14	8		250	300	M	G-Av	G	M	M	M	M	2.0	3.0	Large branch pruned @ base E side. Large exposed root N side.	0%	No impact if regrading is avoided in TPZ.
239 A	Med	Ret	*Eucalyptus sp.* Ironbark	13	6		300	300	M	Av	Av	M	M	M	M	2.0	3.6	Lot of epicormics. Codominant @2m. Skew to SE. Small deadwood. Chlorotic foliage.	0%	No impact if regrading is avoided in TPZ.
239 B	Low	Ret	*Eucalyptus cinerea* Silver Dollar	16	8		400	500	M	Av	Av-P	S	M-H	M-H	M	2.5	4.8	Small fungal fruiting body S side @4m. Large wounds on trunk. Epicromics. Codominant @5m. Wounds on main uprights near junction. Likely decay column @ height.	0%	No impact if regrading is avoided in TPZ.
240	Med	Ret	*Eucalyptus microcorys* Tallowwood	12	6		200	250	M	Av	Av	M	M	M	M	1.8	2.4	Chlorosis, sparse, deadwood. Large branch 100∅ pruned @ base. Small epicormics.	0%	No impact if regrading is avoided in TPZ.
241	High	Ret	*Eucalyptus microcorys* Tallowwood	13	10		300	350	M	G-Av	G-Av	M-L	M-H	M-H	M	2.1	3.6	Crossing branch. Small deadwood, dieback, epicormics.	0%	No impact if regrading is avoided in TPZ.
242	Low	Ret	*Corymbia maculata* Spotted Gum	15	9		300	350	M	Av-P	Av	S	M	M	M	2.1	3.6	Sparse.	0%	No impact if regrading is avoided in TPZ.
243 A	Med	*Rem	*Eucalyptus tereticornis* Forest Red Gum	16	10		400	500	M	G-Av	Av-P	S-M	M-H	M-H	M	2.5	4.8	3 main leaders from 2.5m with moderate inclusions. Large exposed roots. Somewhat sparse. Insect damaged foliage. Wounds on trunk E side.	100%	Consider design modifications to retain tree.
243 B	Low	*Rem	*Eucalyptus cinerea* Silver Dollar	15	5		250	350	M	G-Av	Av	S	M	M	M	2.1	3.0	Main codominant stem 250∅ pruned @ base. Wound on remaining stem from base to 2m. Skew to NE. Large roll of wound wood.	100%	Within proposed regrading. Consider design modifications to retain tree.
244	Med	Rem	*Eucalyptus amplifolia* Cabbage Gum				400	300		Av	Av	S-M	L-M			2.0	4.8	3 stem from 2.5m - poor junction. Other inclusions.	100%	Within proposed oval.
245	Med	Ret	*Eucalyptus tereticornis* Forest Red Gum				500	350					M			2.1	6.0	2 large branches pruned @ base. Branch wounds @2m. Epicormics. Skew to NW.	0%	No impact if regrading is avoided in TPZ.
246	Med	Ret	*Eucalyptus amplifolia* Cabbage Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	0%	No impact if regrading is avoided in TPZ.
247	Med	Rem											L-M						100%	Within proposed regrading & close to proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
248	Med	Rem	*Corymbia citriodora* Lemon-Scented Gum	24	8		250	300	M	Av	Av	S-M	M-H	M-H	M	2.0	3.0	Exposed roots damaged on all sides in 1m radius around base. Sparse. Moderate deadwood. Small crown volume. Compacted clay soil.	100%	Within proposed oval.
249	High	Rem	*Corymbia citriodora* Lemon-Scented Gum	25	10		250	300	M	Av	Av	M	M-H	M-H	M	2.0	3.0	Large exposed roots damaged. Lot of spot divots all over N&E side of trunk. Small wounds. Moderate deadwood. Compacted clay soil. Crownshy to T248.	100%	Within proposed oval.
250	High	Rem	*Eucalyptus sp.* Ironbark	16	10		350	400	M	G-Av	Av	M-L	M-H	M-H	M	2.3	4.2	Multistem from 2m with inclusion. Only small surface roots.	100%	Within proposed oval.
251	High	Rem	*Corymbia citriodora* Lemon-Scented Gum	18	6		200	250	M	G-Av	G-Av	M-L	M	M	M	1.8	2.4	Large main leaders pruned @ base. Exposed roots @ base. Codominant @7m with inclusion.	100%	Within proposed oval.
252	High	Rem	*Corymbia citriodora* Lemon-Scented Gum	23	8		300	400	M	G-Av	G-Av	M	M-H	M-H	M	2.3	3.6	Somewhat sparse. 2x pile of frass @ base - ants nest. Small wounds @ base. Possible decay @ base. Pinhole size borer holes.	100%	Within proposed oval.
253	High	Rem	*Corymbia maculata* Spotted Gum	14	4		200	250	SM	G-Av	G	M-L	M	M	M	1.8	2.4	Ants nest @ base.	100%	Within proposed oval.
254	Med	Rem	*Eucalyptus tereticornis* Forest Red Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed oval.
255	Med	Rem	*Eucalyptus microcorys* Tallowwood										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed oval.
256	Med	Rem											M						100%	Within proposed oval.
257	High	Unc	*Eucalyptus sp.* Ironbark	20	10		300	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.6	Codominant @2m - stable union. Small epicormics & deadwood.	>10%	Regrading in TPZ. Consider design modifications to reduce impact on tree.
258	Med	Rem	*Eucalyptus tereticornis* Forest Red Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed oval.
259	Med	Ret											L-M						0%	No impact if regrading is avoided in TPZ.
260	Low	Ret	*Eucalyptus cinerea* Silver Dollar	14	9		400	300	M	Av	Av-P	S	M	M	M	2.0	4.8	Skew to NE. Large wound on trunk with bulge & borer holes in exposed heartwood. Insect damage to foliage.	0%	No impact.
261	High	Ret	*Eucalyptus cinerea* Silver Dollar	6	3		100	150	J	G-Av	G-Av	M-L	L	L	M	1.5	2.0	Suckers pruned @ base. Some insect damage to foliage.	0%	No impact.
262	Low	Ret	*Acacia decurrens* Black Wattle	9	5		150	200	OM	Av-P	Av-P	S	L	L	M	1.7	2.0	Sparse, dieback, borers.	0%	No impact.
263	High	Unc	*Casuarina cunninghamiana* River Oak	20	4		300	350	M	G-Av	G-Av	M-L	M-H	M-H	M	2.1	3.6	Codominant @14m - possible inclusion.	>10%	Close to proposed oval & within fill.
264	High	Ret	*Angophora floribunda?* Rough Bark Apple	18	8		350	400	M	G-Av	G	M	M-H	M-H	M	2.3	4.2	Large root butresses - shallow soil? Small epicormics & deadwood. Codominant @8m - possible inclusion.	>10%	Car parking on 2 sides. Utilise tree sensitive detail design to minimise tree impacts.
265	Med	Ret	*Angophora floribunda* Rough Bark Apple										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	0%	No impact if regrading is avoided in TPZ.
266	Med	Ret											M						0%	No impact if regrading is avoided in TPZ.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
267	Med	Unc											M						>10%	Close to proposed oval. Minimise fill to retain tree.
268	Low	*Rem	*Eucalyptus punctata* Grey Gum	14	5N 3S 1E 6W		300	400	M	Av	Av-P	S	M-H	M-H	M	2.3	3.6	Bulge/canker @ base. Large wounds, exposed heartwood with borer holes to base. Large branches pruned. Defect @ branch collar of branch over road @6m - prune. Somewhat sparse. Epicormics.	100%	Within proposed parking.
269	Low	*Rem	*Eucalyptus punctata* Grey Gum	18	8	200 / 300		500	M	G-Av	Av-P	S	M-H	M-H	M	2.5	4.3	Bifurcated @1m with inclusion. Inclusions @ other junctions. Deadwood. Wound to top of branch junction over carpark. Wounds, canker, bulge @ base. Frass @ base.	100%	Within proposed parking.
270	High	Rem	*Corymbia maculata* Spotted Gum	18	7		300	350	M	G-Av	G-Av	M-L	M	M	M	2.1	3.6	Bark expansion crack W side & crack on small root butresses with kino.	100%	Within proposed oval.
271	High	Rem	*Corymbia maculata* Spotted Gum	12	4		150	200	SM	G-Av	G	L	L-M	L-M	M	1.7	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed oval.
272 A	High	Ret	*Eucalyptus tereticornis* Forest Red Gum	13	5		250	300	M	Av	G-Av	M-L	M	M	M	2.0	3.0	Codominant @2m. Somewhat sparse. Stump ground 3m to E with mushrooms emerging - dark brown with persistent ring.	0%	No impact if regrading is avoided in TPZ.
272 B	Med	Ret	*Eucalyptus sp.* Ironbark	8	10	200 / 150		300	M	G-Av	Av	M	M	M	M	2.0	3.0	Codominant @0.5m with wound. Moderate epicormics. Skew to NW.	<10%	Proposed parking in TPZ.
273 A	High	Ret	*Corymbia maculata* Spotted Gum	25	12		450	550	M	G-Av	G	M-L	M-H	M-H	M	2.6	5.4	Large exposed root damaged to W 1.5m. Somewhat sparse. Small deadwood.	0%	No impact if regrading is avoided in TPZ.
273 B	Low	Ret	*Callistemon viminalis* Weeping Bottlebrush				200	250					L						0%	No impact if regrading is avoided in TPZ.
274	High	Ret	*Casuarina cunninghamiana* River Oak	16	8		250/ 350	500	M	G	G	M-L	M-H	M-H	M	2.5	5.2	Bifurcated @1m. Recent decompaction around base. Close to concrete & shipping container.	0%	No impact.
275	High	Ret	*Corymbia maculata* Spotted Gum	26	12		400	500	M	G-Av	G-Av	M	H	H	M	2.5	4.8	Wounds on trunk. Fluted divots in trunk. Small epicomics.	0%	No impact if regrading is avoided in TPZ.
276	High	Unc	*Corymbia maculata* Spotted Gum	24	10		450	600	M	G-Av	G-Av	M-L	M-H	M-H	M	2.7	5.4	Large butresses @ base - shallow soil? Wounds on trunk with kino. Small deadwood & epicormics.	>10%	MInimise regrading to retain tree.
277	Med	Rem	*Angophora floribunda* Rough Bark Apple										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed regrading. Consider design modification to retain tree.
278	Med	Rem	*Lophostemon confertus* Brush Box										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed regrading. Consider design modification to retain tree.
279	Med	Rem	*Eucalyptus sp.* Eucalypt										M					In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
280	Low	Rem	*Corymbia maculata* Spotted Gum	9	4		100	200	SM	Av	P	S	L	L	M	1.7	2.0	Wounds & borer @base - almost ringbarked.	100%	Within proposed regrading.
281	Med	Rem	*Corymbia maculata* Spotted Gum	12	5		150	200	SM	G-Av	G-Av	M	M	M	M	1.7	2.0	Small wounds on trunk. Small deadwood.	100%	Within proposed oval.
282	Low	Rem	*Corymbia maculata* Spotted Gum	13	3		150	200	SM	Av-P	Av-P	S	L	L	M	1.7	2.0	Large wound @base to more than 50% of circumference. Ants nest @ base. Wounds on trunk from base to top with kino flow. Small crown volume.	100%	Within proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
283	Med	Rem	*Corymbia maculata* Spotted Gum	18	7		300	350	M	G-Av	G-Av	M	M	M	M	2.1	3.6	Whipper snipper damage to base. Small deadwood. Somewhat sparse.	100%	Within proposed oval.
284	High	Rem	*Corymbia maculata* Spotted Gum	25	15		500	600	M	G-Av	G	M-L	H	H	M-H	2.7	6.0	Vertical cracks in bark. Compacted soil - driving track to N.	100%	Within proposed cricket nets.
285	Low	Rem	*Angophora floribunda* Rough Bark Apple				150	200				M	L			1.7	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
286	Med	Rem	*Grevillea robusta* Silky Oak										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
287	Med	Rem	*Corymbia maculata* Spotted Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
288	Med	Rem	*Corymbia maculata* Spotted Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
289	Med	Rem	*Corymbia maculata* Spotted Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
290	Med	Rem	*Casuarina sp.* She Oak										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
291	Med	Rem	*Eucalyptus tereticornis* Forest Red Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
292	Med	Rem	*Eucalyptus tereticornis* Forest Red Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
293	Med	Rem	*Corymbia maculata* Spotted Gum										M			1.5	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
294	High	Rem	*Corymbia maculata* Spotted Gum				200	250				M-L	M-H			1.8	2.4	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
295	High	Rem	*Corymbia maculata* Spotted Gum				250	300				M-L	M-H			2.0	3.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
296	Med	Rem	*Corymbia maculata* Spotted Gum				150	200				M-L	M			1.7	2.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
297	Med	Rem	*Corymbia maculata* Spotted Gum				200	250				M-L	M			1.8	2.4	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
298	High	Rem	*Corymbia maculata* Spotted Gum	20	12		500	600	M	G	G	M-L	M-H	H	M-H	2.7	6.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
299	High	Rem	*Corymbia maculata* Spotted Gum	18	12		550	600	M	G	G	M-L	M-H	H	M-H	2.7	6.6	Possible inclusions. Compacted soil around.	100%	Within proposed cricket nets.
300	High	Rem	*Corymbia maculata* Spotted Gum				500	600				M-L	H			2.7	6.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed cricket nets.
301	High	Rem	*Corymbia maculata* Spotted Gum				250	300				M-L	M-H			2.0	3.0	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed oval.
302	High	Rem	*Corymbia citriodora* Lemon-Scented Gum				350	400				M-L	M-H			2.3	4.2	In group of trees along entrance road - additional trees not on survey.	100%	Within proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
303 A	Med	Rem	*Corymbia maculata* Spotted Gum				200	250				M-L	M			1.8	2.4		100%	Within proposed cricket nets.
303 B	Med	Rem	*Corymbia maculata* Spotted Gum				300	350				S-M	M-H			2.1	3.6	Included union	100%	Within proposed cricket nets.
304	High	Unc	*Corymbia maculata* Spotted Gum				250	300				M-L	M-H			2.0	3.0		10%	Regrading within TPZ. Minimise fill to retain tree.
305	High	Unc	*Corymbia maculata* Spotted Gum				300	350				M-L	M-H			2.1	3.6		>10%	Regrading within TPZ. Minimise fill to retain tree.
306	Med	Unc	*Corymbia maculata* Spotted Gum				200	250				S-M	M			1.8	2.4		>10%	Regrading within TPZ. Minimise fill to retain tree.
307	Med	Rem	*Corymbia maculata* Spotted Gum										M			1.5	2.0		100%	Within proposed cricket nets.
308	Med	Rem	*Eucalyptus sp.* Eucalypt										M			1.5	2.0		100%	Within proposed cricket nets.
309	Med	Rem	*Eucalyptus sp.* Eucalypt										M			1.5	2.0		100%	Close to proposed cricket nets & within fill.
310	Med	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	10	10	200 / 250 / 250	410	400					M-H			2.3	4.9		0%	No impact if regrading is avoided in TPZ.
311	Med	*Rem	*Eucalyptus sp.* Eucalypt										M			1.5	2.0		>10%	Minimise fill to retain tree.
312	Med	Rem	*Angophora floribunda* Rough Bark Apple										M			1.5	2.0		100%	Within proposed cricket nets.
313	Med	Ret	*Casuarina sp.* She Oak										M			1.5	2.0		0%	No impact if regrading is avoided in TPZ.
314	Med	Unc	*Corymbia maculata* Spotted Gum										M			1.5	2.0		>10%	Close to proposed cricket nets.
315	High	*Rem	*Corymbia maculata* Spotted Gum	16	10		400	500	M	G-Av	G	M-L	M-H	M-H	M	2.5	4.8	Basal wound to 35% of circumference. Borer holes in heartwood. Small amount of occlusion. Mower damage to root S side.	>10%	Major encroachment from proposed regrading. Minimise fill to retain tree.
316	Med	Rem	*Corymbia maculata* Spotted Gum	9	3		150	200	SM	G-Av	Av	M	L-M	L-M	M	1.7	2.0	Wound @ base & bulge. Suppressed. Small crown & damage.	100%	Within proposed regrading. Close to proposed cricket nets.
317	Med	Rem	*Melaleuca armillaris* Bracelet Honey Myrtle	8	4		250	300	M	G-Av	G-Av	S-M	L-M	L-M	M	2.0	3.0	Large main branch pruned @ base. Roots crossing & damaged.	100%	Within proposed regrading. Close to proposed cricket nets.
318	High	Ret	*Corymbia maculata* Spotted Gum	18	12		400	450	M	Av	G-Av	M	M-H	M-H	M	2.4	4.8	Ridges in trunk - dehisced? Low branches pruned. Somewhat sparse.	0%	No impact if regrading is avoided in TPZ.
319	Med	Rem	*Corymbia maculata* Spotted Gum	14	8		300	350	M	G	G-Av	M	M	M	M	2.1	3.6	Branch stubs. Exposed roots damage.	100%	Within proposed cricket nets.
320	Med	Rem	*Corymbia maculata* Spotted Gum	11	4		150	200	SM	Av	Av	M	L-M	L-M	M	1.7	2.0	Basal wound - S side. Pole form. Small epicormics @ base.	100%	Within proposed cricket nets.
321	High	Rem	*Corymbia maculata* Spotted Gum				400	450				M-L	M-H			2.4	4.8		100%	Within proposed cricket nets.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
322	High	Rem	*Corymbia maculata* Spotted Gum				200	300				M-L	M			2.0	2.4		100%	Within proposed cricket nets.
323	Med	Rem	*Corymbia maculata* Spotted Gum				100	150				S-M	L-M			1.5	2.0		100%	Within proposed cricket nets.
324	High	Rem	*Corymbia maculata* Spotted Gum				250	300				M-L	M			2.0	3.0		100%	Within proposed cricket nets.
325	Med	Rem	*Corymbia maculata* Spotted Gum				150	200				S-M	L-M			1.5	2.0		100%	Within proposed cricket nets.
326	Med	*Rem	*Casuarina cunninghamiana* River Oak				350	400				M	M			2.3	4.2		100%	Within proposed regrading. Avoid regrading in TPZ to retain tree.
327	Med	*Rem	*Casuarina sp.* She Oak				300	350				M-L	M			2.1	3.6		100%	Within proposed regrading. Avoid regrading in TPZ to retain tree.
328	Med	*Rem	*Eucalyptus punctata* Grey Gum				300	350					M			2.1	3.6		100%	Within proposed regrading. Avoid regrading in TPZ to retain tree.
329	Med	*Rem	*Casuarina sp.* She Oak				300	350					M			2.1	3.6		100%	Within proposed regrading. Avoid regrading in TPZ to retain tree.
330	Med	Rem	*Corymbia maculata* Spotted Gum				300	350					M			2.1	3.6		100%	Within proposed regrading and close to proposed cricket nets.
331	Med	Rem	*Corymbia maculata* Spotted Gum				150	250				S-M	L-M			1.8	2.0		100%	Within proposed regrading and close to proposed cricket nets.
332	High	Rem	*Corymbia maculata* Spotted Gum				250	300				M-L	M			2.0	3.0		100%	Within proposed regrading and close to proposed cricket nets.
333	Med	Rem	*Corymbia maculata* Spotted Gum				300	400				S-M	M			2.3	3.6		100%	Within proposed oval.
334	Med	*Rem	*Casuarina sp.* She Oak				400	450					M			2.4	4.8		100%	Within proposed regrading. Avoid regrading in TPZ to retain tree.
335	Med	*Rem	*Eucalyptus robusta* Swamp Mahogany				200	250					M			1.8	2.4		100%	Within proposed regrading. Avoid regrading in TPZ to retain tree.
336	High	Ret	*Casuarina cunninghamiana* River Oak	13	5N 4S 6E 4W		450	550	M	G	G	M-L	M-H	M-H	H	2.6	5.4		>10%	Driveway in TPZ - install above grade.
337	High	Ret	*Casuarina cunninghamiana* River Oak	14	5N 4S 3E 6W		400	500	M	G-Av	G	M-L	M-H	M-H	H	2.5	4.8	Mower damage. Witches brooms.	>10%	Driveway in TPZ - install above grade.
338	Med	Unc	*Eucalyptus sp.* Eucalypt	14	10		350	400	M	Av	Av	M	M	M	M	2.3	4.2	Greyish foliage. 2 small Paperbarks either side. Wounds @base - kino flow. Sparse. Defects @junctions.	>10%	Driveway & fill in TPZ - install above grade & minimise fill to retain tree.
339	High	*Rem	*Eucalyptus sp.* Ironbark	13			250	300	SM	G	G	L	M-H	M-H	M	2.0	3.0	Group of 3 trees. Greyish foliage & bark.	100%	Proposed parking space conflicts with one tree. Whole TPZ within fill.
340	High	Rem	*Eucalyptus moluccana* Grey Box				350	400					M-H			2.3	4.2		100%	Within proposed oval.
341	Med	Rem	*Eucalyptus amplifolia* Cabbage Gum										M			1.5	2.0		100%	Within proposed oval.
342	Med	Rem	*Eucalyptus microcorys* Tallowwood										M			1.5	2.0		100%	Within proposed oval.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
343	Med	Rem	*Eucalyptus amplifolia* Cabbage Gum										M			1.5	2.0		100%	Within proposed oval.
344	High	Rem	*Eucalyptus punctata* Grey Gum	20	14		750	800	M	G-Av	G-Av	M	H	H	H	3.0	9.0	Ants going up trunk. Vertical crease in trunk. Low branches lopped. Main leader failure with large stem wound @ 8m, possible cavity. Codominant from 8m.	100%	Within proposed oval.
345	Med	Rem	*Eucalyptus punctata* Grey Gum				300						M			1.5	3.6		100%	Within proposed oval.
346	Med	Rem	*Angophora floribunda* Rough Bark Apple				250						M			1.5	3.0		100%	Within proposed oval.
347	Med	Rem	*Eucalyptus robusta* Swamp Mahogany				300						M			1.5	3.6		100%	Within proposed oval.
348	Med	Rem	*Eucalyptus microcorys* Tallowwood										M			1.5	2.0		100%	Within proposed oval.
349	High	Rem	*Eucalyptus tereticornis* Forest Red Gum				450						M-H			1.5	5.4	Within fenced area.	100%	Within proposed oval.
350	Med	Rem	*Eucalyptus robusta* Swamp Mahogany				250						M			1.5	3.0	Within fenced area.	100%	Within proposed oval.
351	Med	Rem	*Eucalyptus robusta* Swamp Mahogany				250						M			1.5	3.0	Within fenced area.	100%	Within proposed oval.
352 A	High	Rem	*Eucalyptus moluccana* Grey Box				300						M-H			1.5	3.6	Within fenced area.	100%	Within proposed oval.
352 B	High	Rem	*Eucalyptus moluccana* Grey Box				250						M			1.5	3.0	Within fenced area. Not on survey - approx. location.	100%	Within proposed oval.
353	Med	Rem	*Eucalyptus moluccana* Grey Box				100						M			1.5	2.0	Within fenced area.	100%	Within proposed oval.
354	Med	Rem	*Eucalyptus moluccana* Grey Box				150						M			1.5	2.0	Within fenced area.	100%	Within proposed oval.
355	High	Rem	*Eucalyptus tereticornis* Forest Red Gum				300						M-H			1.5	3.6	Within fenced area.	100%	Within proposed regrading & driveway.
356	High	Rem	*Eucalyptus tereticornis* Forest Red Gum				500						M-H			1.5	6.0	Within fenced area.	100%	Within proposed regrading & driveway.
357	High	Rem	*Eucalyptus tereticornis* Forest Red Gum				300						M			1.5	3.6	Within fenced area.	100%	Within proposed regrading & driveway.
358 A	High	Rem	*Eucalyptus microcorys* Tallowwood				350						M			1.5	4.2	Within fenced area.	100%	Within proposed regrading & driveway.
358 B	Med	Unc	*Eucalyptus robusta* Swamp Mahogany				250						M			1.5	3.0	Within fenced area. Not on survey - approx. location.	>10%	Pumping station at base - relocate pumping station out of TPZ.
359	Med	Ret	*Eucalyptus botryoides* Southern Mahogany	15	6N 6S 7E 5W	400 / 250		500	M	Av	Av	M	M	M	M	2.5	5.7	Insect damage to foliage. Spreading habit & some overextending foliage. Twisted branches broken N side. Deadwood, epicormics. Possible storm damage.	0%	No impact if pumping station relocated.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
360 A	High	*Rem	*Eucalyptus moluccana* Grey Box				300						M			1.5	3.6	Within fenced area.	100%	Within regrading. Minimise fill to retain tree.
360 B	Med	*Rem	*Eucalyptus robusta* Swamp Mahogany				200						M			1.5	2.4	Within fenced area. Not on survey - approx. location.	100%	Within regrading. Minimise fill to retain tree.
361	High	*Rem	*Eucalyptus moluccana* Grey Box				300						M			1.5	3.6	Within fenced area.	100%	Within regrading. Minimise fill to retain tree.
362	High	*Rem	*Eucalyptus moluccana* Grey Box				300						M			1.5	3.6	Within fenced area.	100%	Within regrading. Minimise fill to retain tree.
363	High	*Rem	*Eucalyptus moluccana* Grey Box				300						M			1.5	3.6	Within fenced area.	100%	Within regrading. Minimise fill to retain tree.
364	High	Unc	*Eucalyptus moluccana* Grey Box				250	300					M			2.0	3.0	Within fenced area.	0%	No impact if regrading is avoided in TPZ.
365	High	Unc	*Eucalyptus moluccana* Grey Box				250	250					M			1.8	3.0	Within fenced area.	0%	No impact if regrading is avoided in TPZ.
366	High	*Rem	*Eucalyptus moluccana* Grey Box				250						M			1.5	3.0	Within fenced area.	100%	Minimise fill to retain tree.
367	High	*Rem	*Casuarina cunninghamiana* River Oak				400						M-H			1.5	4.8	Within fenced area.	100%	Minimise fill to retain tree.
368	Med	Unc	*Eucalyptus robusta* Swamp Mahogany				200						M			1.5	2.4	Within fenced area.	0%	No impact if regrading is avoided in TPZ. Minimise fill to retain tree.
369	High	Unc	*Eucalyptus robusta* Swamp Mahogany				350						M			1.5	4.2	Within fenced area.	0%	No impact if regrading is avoided in TPZ. Minimise fill to retain tree.
370	High	*Rem	*Eucalyptus robusta* Swamp Mahogany				350						M			1.5	4.2	Within fenced area.	100%	Within regrading. Avoid regrading in TPZ to retain tree.
371	High	*Rem	*Eucalyptus robusta* Swamp Mahogany				350						M			1.5	4.2	Within fenced area.	100%	Within regrading. Avoid regrading in TPZ to retain tree.
372	High	*Rem	*Eucalyptus robusta* Swamp Mahogany				350						M			1.5	4.2	Within fenced area.	100%	Within regrading. Avoid regrading in TPZ to retain tree.
373	High	*Rem	*Eucalyptus robusta* Swamp Mahogany				350						M			1.5	4.2	Within fenced area.	100%	Within regrading. Avoid regrading in TPZ to retain tree.
374	Med	*Rem	*Eucalyptus sp.* Eucalypt										M			1.5	2.0	Within fenced area.	>10%	Major encroachment from regrading in TPZ & raised cricket net area.
375	Med	*Rem	*Eucalyptus sp.* Eucalypt										M			1.5	2.0	Within fenced area.	100%	Within proposed regrading. Consider design modifications if tree to be retained.
376	Med	*Rem	*Eucalyptus sp.* Eucalypt										M			1.5	2.0	Within fenced area.	100%	Within proposed regrading. Consider design modifications if tree to be retained.
377 A	Med	Rem	*Eucalyptus moluccana* Grey Box				250	300					M			2.0	3.0	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
377 B	Med	Rem	*Eucalyptus moluccana* Grey Box				350	400					M			2.3	4.2	Within fenced area. Not on survey - approx. location.	100%	Within proposed regrading & pathway.
378	Med	Rem	*Eucalyptus moluccana* Grey Box				300	350					M			2.1	3.6	Within fenced area.	100%	Within proposed regrading & raised cricket net area.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
379	Med	Rem	*Eucalyptus saligna* Sydney Blue Gum				250	300					M			2.0	3.0	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
380 A	Med	Rem	*Eucalyptus moluccana* Grey Box				300	350					M			2.1	3.6	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
380 B	Med	Rem	*Eucalyptus moluccana* Grey Box				300	350					M			2.1	3.6	Within fenced area. Not on survey - approx. location. Wound @base.	100%	Within proposed regrading & raised cricket net area.
381	High	Rem	*Eucalyptus moluccana* Grey Box				450	500					M-H			2.5	5.4	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
382	High	Rem	*Eucalyptus moluccana* Grey Box				350	400					M			2.3	4.2	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
383	High	Rem	*Eucalyptus moluccana* Grey Box				350	400					M			2.3	4.2	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
384	High	Rem	*Eucalyptus moluccana* Grey Box				350	400					M			2.3	4.2	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
385	Med	Rem	*Eucalyptus moluccana* Grey Box				150	200					M			1.7	2.0	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
386	Med	Rem	*Eucalyptus moluccana* Grey Box				350	400					M			2.3	4.2	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
387	Med	Rem	*Eucalyptus moluccana* Grey Box				200	250					M			1.8	2.4	Within fenced area.	100%	Within proposed regrading & pathway.
388	Med	Rem	*Eucalyptus moluccana* Grey Box				300	350					M			2.1	3.6	Within fenced area.	100%	Within proposed regrading & raised cricket net area.
389	High	Unc	*Eucalyptus sp.* Ironbark	9	8		250	400	M	G-Av	G	M-L	M-H	M-H	M	2.3	3.0	Two large primary branches removed @ 1m. Moderate epicormics.	>10%	Major encroachment from cricket nets & pathway.
390	Low	*Rem	*Eucalyptus moluccana* Grey Box	14	5	200 / 150	250	400	M	Av	P	S	M	M	H	2.3	3.0	Failed inclusion @ 3m. Sparse foliage. Large primary branch pruned @ 1m. Inclusion in codominant stems @ 1m. Sapling 2.5m tall to NW.	100%	Within pathway. Consider design modifications to retain tree.
391 A	High	Ret	*Eucalyptus moluccana* Grey Box	16	6		400	500	M	G-Av	G-Av	M	M-H	M-H	H	2.5	4.8	Inclusion in main leader @2m; failed inclusion @ 5m. Other branch inclusions. Congested branches.	>10%	Major encroachment from pathway.
391 B	High	Ret	*Eucalyptus moluccana* Grey Box	14	4		150	200	SM	G-Av	G	L	M-H	M	H	1.7	2.0	Pole form, suppressed by T391A; foliage somewhat sparse.	>10%	Major encroachment from pathway.
392	High	*Rem	*Angophora floribunda* Rough Bark Apple	15	8		350	450	M	Av	G	M	M-H	M-H	M	2.4	4.2	Sparse foliage. Insect damage & spots on foliage. Large diameter surface roots. Failed branch @4m. Tip dieback. Canopy raised to 2m.	100%	Within pathway. Consider design modifications to retain tree.
393	High	Ret	*Casuarina sp.* She Oak	13	5		200	250	M	G	G	L	M-H	M	H	1.8	2.4		>10%	Major encroachment from pathway.
394 A	Med	Ret	*Eucalyptus robusta* Swamp Mahogany	10	8		300	450	M	P	Av	S	M	M	M	2.4	3.6	Wound @ base. Sparse foliage, mostly from epicormic shoots. Large exposed roots with mechanical damage.	0%	No impact if regrading is avoided in TPZ.
394 B	Med	Ret	*Eucalyptus robusta* Swamp Mahogany	12	8		300	400	M	Av	Av	M	M-H	M-H	M	2.3	3.6	3 main leaders from 1.5m. Moderate epicormics; sparse foliage; insect damage to foliage. Large exposed root to NE with mechanical damage. Failed inclusion on main branch @4m.	0%	No impact if regrading is avoided in TPZ.
395	Med	Ret	*Eucalyptus tereticornis* Forest Red Gum	15	10		550	650	M	Av	Av-P	S-M	M-H	M-H	M-H	2.8	6.6	Fungal fruiting bodies @2m & 8m. Sparse,deadwood, dieback. Within neighbouring property.	0%	No impact if regrading is avoided in TPZ.
396	X		*Dead*										L			1.5	2.0	Within fenced area. Dead leaves on tree - recent tree death.	0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
397	High	Ret	*Casuarina cunninghamiana* River Oak				200	400					M			2.3	2.4	Codominant stem pruned NS @ 1m; low branches pruned.	0%	No impact if regrading is avoided in TPZ.
398	High	Ret	*Casuarina cunninghamiana* River Oak				250	350					M-H			2.1	3.0	Within fenced area.	0%	No impact.
399	High	Ret	*Casuarina cunninghamiana* River Oak			150 / 150 / 100 / 100	280	400					M-H			2.3	3.3	Within fenced area. Pruning of failed leader required.	0%	No impact.
400	High	Ret	*Casuarina cunninghamiana* River Oak				300	350					M-H			2.1	3.6	Close to sea wall.	0%	No impact.
401	High	Ret	*Eucalyptus robusta* Swamp Mahogany	9	7		300	400	M	G-Av	G-Av	M	M-H	M-H	M	2.3	3.6	Wound @ base SE; primary branch puned, good occlusion.	>10%	Path demolition in TPZ needs to avoid root damage.
402	High	Ret	*Eucalyptus robusta* Swamp Mahogany	7	8		250	350	M	G-Av	G	L	M	M	M	2.1	3.0	Lot of epicormic resulting in congested branches; large exposed root on S side.	>10%	Careful excavation to avoid root damage.
403	High	Ret	*Eucalyptus fibrosa* Red Ironbark	8	5		300	350	M	Av	G-Av	M-L	M	M	M	2.1	3.6	Large branch removed @ 1.5m; sparse foliage; slightly supressed by T404.	>10%	Careful excavation to avoid root damage.
404	High	Ret	*Eucalyptus fibrosa* Red Ironbark	8	6	100 / 200	230	250	M	G-Av	G	M-L	M-H	M	M	1.8	2.7		10%	Careful excavation to avoid root damage.
405	High	Ret	*Eucalyptus fibrosa* Red Ironbark	10	8		250	300	M	G-Av	G	M-L	M-H	M	M	2.0	3.0	Small epicormics	>10%	Careful excavation to avoid root damage.
406	High	Ret	*Eucalyptus canaliculata* Large Fruited Grey Gum	15	8		250	300	M	Av	G	L	M-H	M-H	M	2.0	3.0	Somewhat sparse foliage, moderate epicormic shoots. Compacted soil @ base. Heavily fruiting.	10%	Careful excavation to avoid root damage.
407	High	Unc	*Eucalyptus robusta* Swamp Mahogany	9	8		250	350	M	G-Av	G	L	M-H	M-H	M	2.1	3.0	Repeated mower damage to surface roots and main stem on N side. Many large diameter surface roots damaged. Many epicormic shoots; foliage sparse @ apex.	10%	Consider pier & beam retaining wall to retain tree.
408	High	Rem	*Eucalyptus sp.* Eucalypt	12	6		350	400	M	G-Av	Av	M	M-H	M-H	M	1.5	4.2	Codominant stem @ 3m pruned recently; remaining stem upright. Heavily flowering; compacted soil around base of tree.	>10%	Consider pier & beam retaining wall to retain tree.
409	High	Rem	*Eucalyptus sideroxylon* Mugga Ironbark	12	6		300	400	M	G-Av	Av	M	M-H	M-H	M	1.5	3.6	Codominant stem @ 1m removed, with inclusion. Failed inclusion @ 7m. Broken branch; epicormic; large diameter codominant stem removed.	100%	Within proposed cricket nets.
410	High	Rem	*Eucalyptus sp.* Mahogany	11	6		250	350	M	G-Av	Av	M	M-H	M-H	M	1.5	3.0	Foliage somewhat sparse, large diameter branch removed @ 1m.	100%	Within proposed cricket nets.
411	High	Rem	*Eucalyptus sp.* Ironbark	12	8	350 / 250	440	400	M	G	G	L	M-H	M-H	M	2.3	5.3	3 main leaders from 1m; compacted & eroded soil @ base. Species ID - has ironbark persistent to small branches, long leaves and small, cup shaped fruit.	100%	Within proposed cricket nets.
412	Med	Unc	*Eucalyptus microcorys* Tallowwood	8	10		350	450	M	G-Av	G-Av	L	M	M-H	M	2.4	4.2	3 leaders from 2m. Moderate epcicomics. Lower branch pruned. Compacted soil @ base.	49%	Major encroachment from landscape feature - move wall further from tree (outside of TPZ).
413	High	Ret	*Eucalyptus robusta* Swamp Mahogany	6	4		150	200	SM	Av	G-Av	M	H	M	M	1.7	2.0	Close to sea wall. Unusual form with several primary branches arising from a low height on the main trunk.	0%	No impact. Careful removal of existing pavement.
414	High	Ret	*Eucalyptus robusta* Swamp Mahogany	14	8		400	500	M	G-Av	Av	M-L	H	M-H	M	2.5	4.8	Crossing main leaders, one removed.	0%	No impact. Careful removal of existing pavement.
415	High	Ret	*Eucalyptus robusta* Swamp Mahogany	9	8		250	300	M	Av	Av	S-M	H	M	M	2.0	3.0	Stem wound @ 3m & 5m.	0%	No impact. Careful removal of existing pavement.
416	High	Ret	*Casuarina cunninghamiana* River Oak	11	8		400	500	M	G	G	M-L	M-H	M-H	H	2.5	4.8	Close to sea wall. 3 main stems from 2m.	0%	No impact. Careful removal of existing pavement.
417	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		350	400					M-H			2.3	4.2	Exact locations not shown on survey.	10%	Pathway in TPZ. Avoid regrading in TPZ.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
418	High	Ret	*Casuarina sp.* She Oak	15	8		350	400					M-H			2.3	4.2	Exact locations not shown on survey.	>10%	Regrading in TPZ. Minimise regrading in TPZ.
419	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		350	400					M-H			2.3	4.2	Exact locations not shown on survey.	0%	No impact.
420	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		350	400					M-H			2.3	4.2	Exact locations not shown on survey.	0%	No impact.
421	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		350	400					M-H			2.3	4.2	Exact locations not shown on survey.	0%	No impact.
422	High	Ret	*Eucalyptus tereticornis* Forest Red Gum	15	8		350	400					M-H			2.3	4.2	Exact locations not shown on survey.	0%	No impact.
423	High	Ret	*Angophora floribunda* Rough Bark Apple	15	8		300	400					M-H			2.3	3.6	Exact locations not shown on survey.	0%	No impact.
424	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		300						M-H			1.5	3.6	Exact locations not shown on survey.	0%	No impact.
425	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		300						M-H			1.5	3.6	Exact locations not shown on survey.	0%	No impact.
426	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		300						M-H			1.5	3.6	Exact locations not shown on survey.	0%	No impact.
427	High	Ret	*Eucalyptus sp.* Eucalypt	15	8		300						M-H			1.5	3.6	Exact locations not shown on survey.	0%	No impact.
428	Low	Rem	*Eucalyptus tereticornis* Forest Red Gum	15	10		550	550	M	Av	Av-P	S-M	M-H	M-H	M-H	2.6	6.6	Fungal fruting bodies @2m & 8m. Sparse, deadwood, dieback.	0%	No impact. Recommended for removal.
429	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	5N 4S 6E 4S		400	450	M	G-Av	G	L	M	M	M	2.4	4.8	Low branches pruned. Small deadwood.	0%	No impact if regrading is avoided in TPZ.
430	Low	Ret	*Callistemon viminalis* Weeping Bottlebrush	6	4	150 / 100 / 100 / 80		300	M	G-Av	Av	M	L	L	M	2.0	2.7	Small deadwood. Low branches pruned. Multistem. Wounds on stems.	0%	No impact.
431	Med	*Rem	*Eucalyptus robusta* Swamp Mahogany	8	3N 4S 3E 5W		200	350	SM	G-Av	Av	M	M	M	M	2.1	2.4	Bulge @ base. Low branches pruned. Crownshy to T432. Moderate epicormics.	100%	Within proposed Grounds Maintenance building. Consider design modifications to retain tree.
432	Med	*Rem	*Melaleuca armillaris* Bracelet Honey Myrtle	11	8	250 / 250		450	M	G	Av	M	M	M	M	2.4	4.2	2 stems from base - pressing together. Low branches pruned. Small deadwood. Large for the species.	100%	Within proposed Grounds Maintenance building. Consider design modifications to retain tree.
433	Med	*Rem	*Melaleuca armillaris* Bracelet Honey Myrtle	11	6N 3S 3E 6W	250 / 250 / 250		500	M	G	G-Av	M-L	M	M	M	2.5	5.2	3 stems from base - 2x Western stems pressing together. Skew to W.	100%	Within proposed Grounds Maintenance building. Consider design modifications to retain tree.
434	Low	*Rem	*Eucalyptus robusta* Swamp Mahogany	12	6		300	350	SM	Av	Av-P	S	M	M	M	2.1	3.6	Wound on stem NE side - moderate occlusion. Lot of borer holes on stem. Low branches pruned. Codominant @ 2m. Deadwood, dieback, epicormics.	40%	Close to proposed Grounds Maintenance building.
435	Low	Ret	*Eucalyptus robusta* Swamp Mahogany	12	4		250	300	SM	Av-P	Av-P	S	L-M	L-M	M	2.0	3.0	Wounds & borers on trunk @ base & @3m - canker.	0%	No impact.
436	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	14	3N 1S 3E 1W		150	200	SM	G-Av	G	L	M	M	M	1.7	2.0	*E. robusta* 1m to S - similar condition to T435. Other young, tall trees around.	0%	Proposed tanks in TPZ. Consider locating tanks outside TPZ of all trees to retain additional trees.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
437	High	*Rem	*Corymbia citriodora* Lemon-Scented Gum	15	6		200	300	SM	G-Av	G	L	M	M	M	2.0	2.4	Dominant crown. Other young, tall trees around.	100%	Within proposed Grounds Maintenance building. Consider design modifications to retain tree.
438	Med	Ret	*Melaleuca armillaris* Bracelet Honey Myrtle				200						M			1.5	2.4		10%	Proposed tanks in TPZ.
439	Med	Ret	*Melaleuca armillaris* Bracelet Honey Myrtle				200						M			1.5	2.4		0%	No impact.
440	Med	Ret	*Melaleuca armillaris* Bracelet Honey Myrtle				200						M			1.5	2.4		0%	No impact.
441	Med	Ret	*Callistemon viminalis* Weeping Bottlebrush	9	8	200 / 200 / 250 / 200		450	M	Av	Av	S-M	L-M	L-M	M	2.4	5.1	2 trees - SE tree with long low overextending branch toward carpark. Broken branches, deadwood.	0%	No impact.
442	Med	Ret	*Callistemon viminalis* Weeping Bottlebrush	10	2N 6S 4E 4W	350 / 250 / 200 / 250		450	M	Av	G-Av	M	M	M	M	2.4	6.4	Wound @base NE side. Small deadwood. Mulch piles @ base.	0%	No impact.
443	Med	Ret	*Callistemon viminalis* Weeping Bottlebrush	13	10	350 / 250 / 200 / 300		550	M	G-Av	G-Av	M	M	M	M	2.6	6.7	Multistem from base. Small Callistemon to S.	0%	No impact.
444	Med	Ret	*Eucalyptus robusta* Swamp Mahogany	11	6	250 / 100		300	M	Av	Av	S-M	M	M	M	2.0	3.2	Inclusion @ main junction @3m - large bulge. Sparse. Crossing branches.	0%	No impact.
445	Med	Ret	*Eucalyptus sp.* Eucalypt	12	1N 4S 1E 6W		250	300	M	G-Av	Av	S-M	M	M	M	2.0	3.0	Leans to SW away from T444 - wound @2m with borer holes & kino flow. Suckers from base. Small epicormics & deadwood.	0%	No impact.
446	High	Ret	*Melaleuca styphelioides* Prickly Paperbark	9	4	150 / 150		350	SM	G-Av	Av	M-L	M	M	M	2.1	2.6	Bifurcated @ base. Inclusions @ junctions.	0%	No impact.
447	High	Ret	*Melaleuca styphelioides* Prickly Paperbark	11	5	150 / 250		350	M	G-Av	Av	M-L	M	M	M	2.1	3.5	Concrete rubble @ base. Upright forks - bifurcated @ base. Inclusions.	0%	No impact.
448	Med	Ret	*Melaleuca styphelioides* Prickly Paperbark	8	4	100 / 100		200	SM	G-Av	G-Av	M-L	L-M	L-M	M	1.7	2.0	Large bird or possum nest @top. Bifurcated @0.3m. 100∅ branch pruned @ base.	0%	No impact.
449	High	Ret	*Corymbia sp.* Bloodwood	5	2		50	100	J	Av	G-Av	M-L	L	L	M	1.5	2.0	Bark expansion cracks. Insect damaged foliage. Chlorosis. Stunted.	0%	No impact.
450	Med	Ret	*Corymbia maculata* Spotted Gum	16	6		300	400	M	G-Av	Av	M-L	M-H	M-H	M	2.3	3.6	Crossing branch with inclusion defect @ 7m - prune. Wounds on trunk with kino flow. Small deadwood & epicormics.	0%	No impact.
451	High	Ret	*Corymbia maculata* Spotted Gum	15	4		150	200	SM	G-Av	G-Av	M	M	M	M	1.7	2.0	Wound @ base - 20% of circumference. Pole form. Wound @ 10m. Small crown volume	0%	No impact.
452	High	Ret	*Angophora floribunda* Rough Bark Apple	17	8		300	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.6	Somewhat sparse. Small deadwood. Small wound on trunk fully occluded.	0%	No impact.
453	High	Ret	*Casuarina cunninghamiana* River Oak	15	6		350	400	M	G	G-Av	M-L	M-H	M-H	M	2.3	4.2	Inclusion of main junction @6m.	0%	No impact.
454	High	Ret	*Angophora floribunda* Rough Bark Apple	16	6	250 / 300		400	M	Av	Av	M	M-H	M-H	M	2.3	4.7	Bifurcated @1m. Moderate epicormics & deadwood.	0%	No impact.
455	Med	Ret	*Angophora floribunda* Rough Bark Apple	14	6		250	300	M	Av-P	Av	S-M	M	M	M	2.0	3.0	Compression creases @base. Large root to W exposed. Moderate deadwood. Small epicormics. Sparse.	0%	No impact.
456	High	Ret	*Angophora floribunda* Rough Bark Apple	16	6		250	300	M	G-Av	G-Av	M-L	M	M	M	2.0	3.0	Small deadwood & epicormics.	0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
457	Low	Ret	*Angophora floribunda* Rough Bark Apple	18	2N 4S 4E 1W		300	500	M	Av	P	S	M	M	M	2.5	3.6	Large main trunk pruned @0.8m. W to soil level. Ants nest. Remaining upright leans to SE. Wounds on compression & tension sides. Sparse. Deadwood. Dieback. Small wounds @ height.	0%	No impact.
458	High	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	13	7N 4S 5E 3W	250 / 300		350	M	G-Av	G-Av	M-L	M-H	M-H	M	2.1	4.7	Bifurcated @1.4m. Moderate inclusions. Small deadwood.	0%	No impact.
459	High	Ret	*Angophora floribunda* Rough Bark Apple	14	6		250	250	M	G-Av	G-Av	M-L	M	M	M	1.8	3.0	Epicormics. Wounds. Deadwood.	0%	No impact.
460	Low	Ret	*Lagunaria patersonia* Norfolk Island Hibiscus	9	4		200	250	SM	G-Av	G	L	L	L	L	1.8	2.4	Small epicormics on trunk. Bifurcated @5m.	0%	No impact.
461	Med	Ret	*Eucalyptus sp.* Ironbark	15	6		200	250	SM	G-Av	G-Av	L	M	M	M	1.8	2.4		0%	No impact.
462 A	Low	Ret	*Eucalyptus sideroxylon* Mugga Ironbark	9	3		100	150	SM	Av	Av-P	S	L-M	L-M	M	1.5	2.0	Large vertical wound from 0.1-1.5m. Some occlusion on one side of wound only.	0%	No impact.
462 B	Low	Ret	*Eucalyptus sp.* Ironbark	5	3		70	100	J	G-Av	Av-P	S	L	L	M	1.5	2.0	Large stems lopped @ base.	0%	No impact.
463	High	Ret	*Eucalyptus sp.* Ironbark	13	5		200	250	M	G-Av	G	M-L	M-H	M-H	M	1.8	2.4	Bifurcated @2.5m with inclusion.	<10%	Proposed parking at edge of TPZ.
464	Med	Ret	*Eucalyptus sp.* Ironbark	8	4		150	200	SM	G-Av	G-Av	M-L	M	M	M	1.7	2.0	Moderate epicormics. Wound on trunk with good occlusion. Stems pruned @ base.	>10%	Proposed parking near base.
465	Low	Ret	*Melaleuca armillaris* Bracelet Honey Myrtle	6	6	100 / 150		200	M-OM	Av	Av	S	L	L	M	1.7	2.2	Low branches pruned. Somewhat sparse. Deadwood.	0%	No impact.
466	Low	Ret	*Eucalyptus sp.* Ironbark	6	3		100	150	SM	G-Av	G-Av	M	L	L	M	1.5	2.0	Buttsweep. Exposed roots NE side - possible partial failure previously. 2nd stem pruned @ base. Crooked stem.	<10%	Minor encroachment from proposed parking.
467	Med	Ret	*Melaleuca armillaris* Bracelet Honey Myrtle	8	7	200 / 100		250	M	Av	G-Av	S-M	L-M	L-M	M	1.8	2.7	Somewhat sparse. Exposed roots damaged E side. Bulge @ junction @ 0.5m. Small deadwood.	0%	No impact.
468	High	Unc	*Eucalyptus punctata* Grey Gum	15	10		350	450	M	G-Av	G-Av	M	M-H	M-H	M	2.4	4.2	Bulge @ base - possible decay. Inclusion of main junction @5m.	>10%	Major encroachment from parking near base.
469	Low	Ret	*Eucalyptus punctata* Grey Gum	10	5		200	250	M	Av-P	Av-P	S	L-M	L-M	M	1.8	2.4	Sparse. Dieback. Wounds. Small epicormics. 10 small trees in garden to West.	<10%	Proposed parking at edge of TPZ.
470	Med	*Rem	*Melaleuca styphelioides* Prickly Paperbark	11	6	100 / 200 / 150		350	M	G-Av	Av	M	M	M	M	2.1	3.2	3 stems from 0.5m. At edge of group of same species.	>10%	Major encroachment from parking near base. Consider design modifications to retain tree.
501	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	6	3		100	150	J	G-Av	Av	M-L	L-M	L-M	M	1.5	2.0	Suppressed - T206. Epicormics. Bifurcated @2m.	0%	No impact.
502	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	4N 2S 1E 5W		200	250	SM	G	G	M-L	M	M	M	1.8	2.4	Skew to S	0%	No impact.
503	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	15	8		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0		0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
504	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	16	5		150	200	SM	G	G	M-L	M	M	M	1.7	2.0	Dead stubs. Small crown volume.	0%	No impact.
505	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	16	12		350	400	M	G	G-Av	M-L	M-H	M-H	M	2.3	4.2	Large low branch pruned. S side. Dominant crown.	0%	No impact.
506	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	5		150	200	SM	G	G-Av	M-L	M	M	M	1.7	2.0	Low branch pruned with epicormics & kino S side. Suppressed	0%	No impact.
507	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	9		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0		0%	No impact.
508	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	3N 4S 1E 5W		200	250	M	G	G	M-L	M	M	M	1.8	2.4	Skew to S. 2 main branches from 3m.	0%	No impact.
509	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	16	9		350	400	M	G	G	M-L	M-H	M-H	M	2.3	4.2		0%	No impact.
510	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	13	8		200	250	M	G	G	M-L	M-H	M-H	M	1.8	2.4	V shaped fork @ branch.	0%	No impact.
511	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	7		200	250	M	G	G	M-L	M-H	M-H	M	1.8	2.4	Bifurcated @4m.	0%	No impact.
512	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	13	7		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6		0%	No impact.
513	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12			250	300	SM	G-Av	G	M-L	M-H	M-H	M	2.0	3.0	In line with T191	0%	No impact.
514	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	13			350	400	M	G	G-Av	M	M-H	M-H	M	2.3	4.2	Possible inclusion of main branch junction @10m over branches road. Large low branch pruned. Dense foliage	0%	No impact.
515	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	9			200	250	SM	G	G-Av	M-L	M	M	M	1.8	2.4	Wound @ base 30% of circumference or more. Kino.	0%	No impact.
516	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	14			350	400	M	G	G	M-L	M-H	M-H	M	2.3	4.2	In line with T191	0%	No impact.
517	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10			250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0		0%	No impact.
518	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	4N 7S 4E 7W		300	350	M	G-Av	G-Av	M	M-H	M-H	M	2.1	3.6	Wound @base 30% of circumference or more. Kino. Next to culvert E side. Overextending branch over road - prune 200ø to collar. Large low branches pruned.	0%	No impact.
519	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	13	8		300	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.6	Next to culvert W side.	0%	No impact.
520	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	9		250	300	M	G-Av	G	M	M-H	M-H	M	2.0	3.0		0%	No impact.

Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
521	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	7		200	250	SM	G-Av	Av	S-M	M	M	M	1.8	2.4	Next to culvert E side. Wounds on trunk & borer holes. Bifurcated @4m with damage to junction. Small live crown volume.	0%	No impact.
522	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	9	7		250	300	M	G	Av	M	M	M	M	2.0	3.0	Lost leader - dogleg. Wound @base. Bifurcated @6m, wide V.	<10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
523	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	10		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6		>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
524	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	10		300	350	M	G	G-Av	M-L	M-H	M-H	M	2.1	3.6	Kino flow from main junction W side @5m.	>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
525	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	8		300	350	M	G-Av	G	M-L	M-H	M-H	M	2.1	3.6		>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
526	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	8		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6	Small live crown volume - all at top 5m of tree. Broken branch @ base - possible recent failure from this tree or T527.	>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
527	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	9		350	400	M	G	G	M-L	M-H	M-H	M	2.3	4.2		>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
528	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	10		350	40	M	G-Av	G	M-L	M-H	M-H	M	1.5	4.2	Wounds on W side of base - vehicle impact (car parts on ground)	>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
529	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	8	7		150	200	SM	G	G	M-L	M	M	M	1.7	2.0	Bircated @2m	>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
530	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	6		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6		>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
531	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	5N 7S 7E 4W		400	450	M	G	Av	M	M-H	M-H	M	2.4	4.8	Lost leader @ 6m - 2 dogleg branches remain with defect - possible decay cavity. Broken branch stubs.	>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
532	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	10		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0		>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
533	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	10		350	400	M	G	G	M-L	M-H	M-H	M	2.3	4.2		>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
534	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	5N 5S 7E 2W		250	300	M	G	G-Av	M-L	M-H	M-H	M	2.0	3.0	Small W @ base E side. Skew to NE.	>10%	Retaining wall and regrading proposed within TPZ. Avoid strip footing & earthworks in TPZ.
535	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	7N 4S 6E 4W		300	350	M	G	G-Av	M-L	M-H	M-H	M	2.1	3.6	Small Wounds on trunk SW side & ants nest @ base. Congested branch junction @5m - 3 branches.	0%	No impact if regrading is avoided in TPZ.
536	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	8		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0		0%	No impact if regrading is avoided in TPZ.
537	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	8		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0	Small wound @base E side.	0%	No impact.

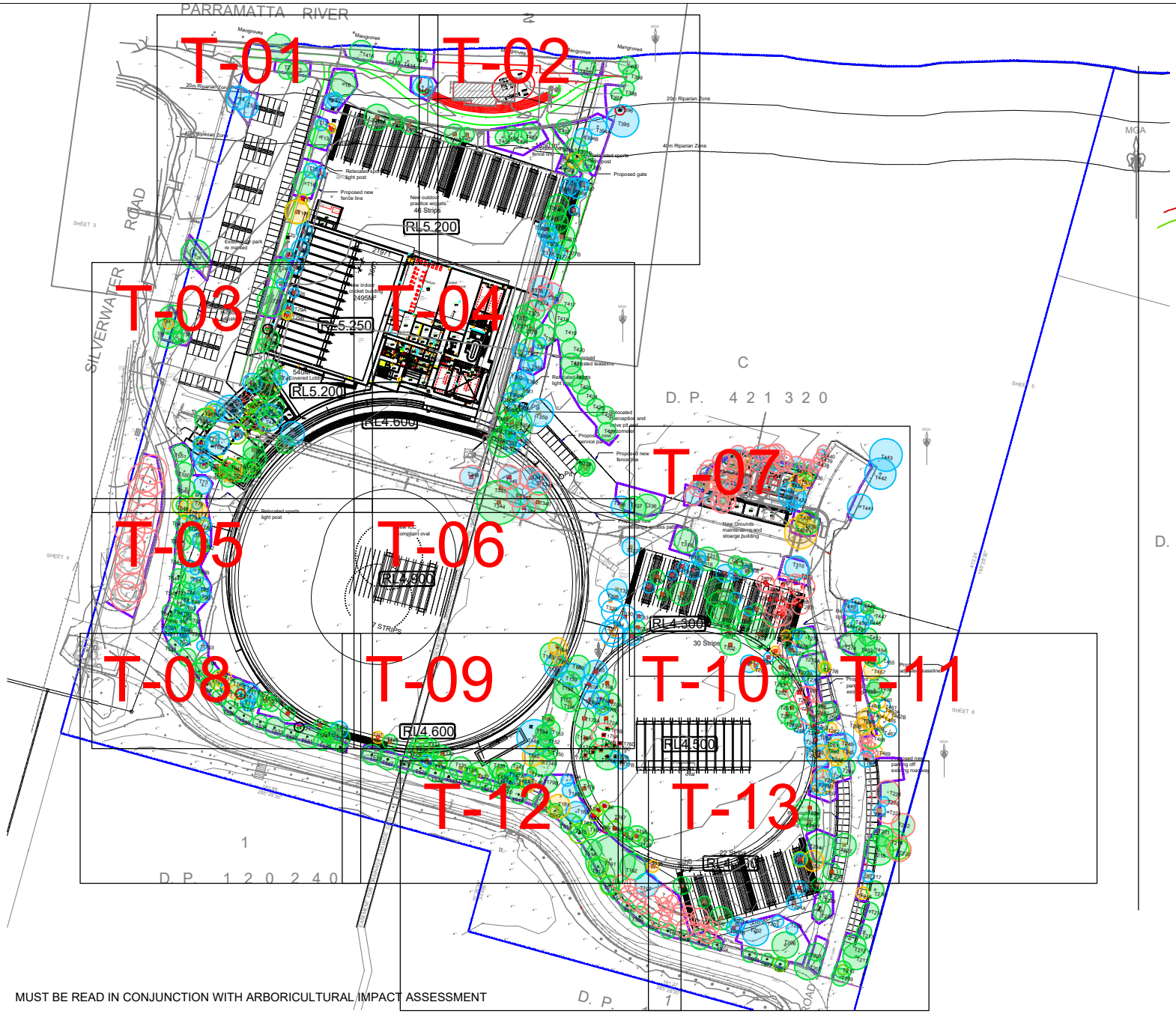
Tree No.	Retention Value	Outcome	Botanical & Common Name	Height	Spread	Multi Stem DBH (mm)	DBH (mm)	DRB (mm)	Age	Health	Condition	ULE	Significance	Amenity Value	Ecological Value	SRZ	TPZ	Site Notes	Development Encroachment	Development Impact & Recommendations
538	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	10		250	300	M	G	G-Av	M	M	M	M	2.0	3.0	Dogleg @8m.	0%	No impact.
539	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	13	10		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6	Previous rope around trunk? Marked cambium.	0%	No impact.
540	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	14	10		300	400	M	G	G	M-L	M-H	M-H	M	2.3	3.6		0%	No impact.
541	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	8		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0	Last in row on bus road.	0%	No impact.
542	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	10		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6	Deadwood	0%	No impact.
543	Med	Ret	*Corymbia citriodora* Lemon-Scented Gum	8	6		200	250	SM	G-Av	G	M-L	M	M	M	1.8	2.4	Deadwood	0%	No impact.
544	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	10		250	300	M	G	G	M-L	M-H	M-H	M	2.0	3.0	Spiral grain	0%	No impact.
545	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	8	6		200	250	M	G	G	M-L	M-H	M-H	M	1.8	2.4		0%	No impact.
546	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	8	6		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6		0%	No impact.
547	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	8		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6	Pointy nose inclusion of main junction @9m.	0%	No impact.
548	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	12	10		200	250	M	G	G-Av	M	M-H	M-H	M	1.8	2.4		0%	No impact.
549	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	10		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6		0%	No impact.
550	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	10	10		300	350	M	G	G	M-L	M-H	M-H	M	2.1	3.6		0%	No impact.
551	High	Ret	*Corymbia citriodora* Lemon-Scented Gum	11	8		300	350	M	G	G-Av	M	M-H	M-H	M	2.1	3.6		<10%	No impact if regrading is avoided in TPZ.
552	Med	*Rem	*Melaleuca sp.* Grove of Melaleucas	5 - 8	3 - 8				M	G	G-Av	M	M	M	M	1.5	2.4	Group of 50+ small trees forming a dense stand.	100%	Within proposed Grounds Maintenance building. Consider modification to the layout of proposed building to retain these trees.

Key: Height (in metres) ; Spread (crown spead in metres) ; DBH (Diameter at Breast Height / 1.4m) in millimetres ; DRB (Diameter above Root Buttress) in millimetres ; Age (Semi-mature, Mature, Overmature, or Senescent) ; Health (Good, Average or Poor) ; Condition (Good, Average or Poor) ; Useful Life Expectancy (ULE) (Short, Medium or Long) ; Significance (High, Medium or Low) ; Amenity Value (High, Medium or Low) ; Ecological Value (High, Medium or Low) ; SRZ (Structural Root Zone) in metres ; TPZ (Tree Protection Zone) in metres

Current total number of trees: 574.

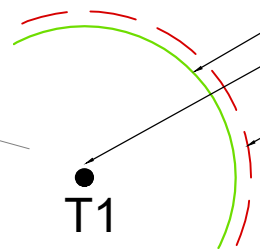
Outcomes

Ret	Retain tree
Rem	Remove tree
*Rem	Remove tree unless design modifications possible
Unc	Uncertain outcome, tree sensitive design measures recommended
PR	Previously removed

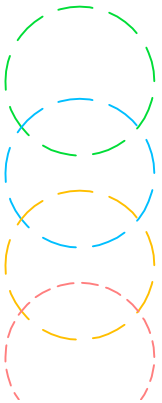


MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

KEY



- Approximate crown spread.
- Numbered tree as shown on Site Survey, trunk diameter as measured on site.
- Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.



- TPZ of High Retention value tree
- TPZ of Medium Retention value tree
- TPZ of Low Retention value tree value tree
- Assumed TPZ

- Tree to be removed in the context of the proposed development
- Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible
- Tree previously removed
- Tree Protection Fencing installed prior to demolition, to remain throughout works

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

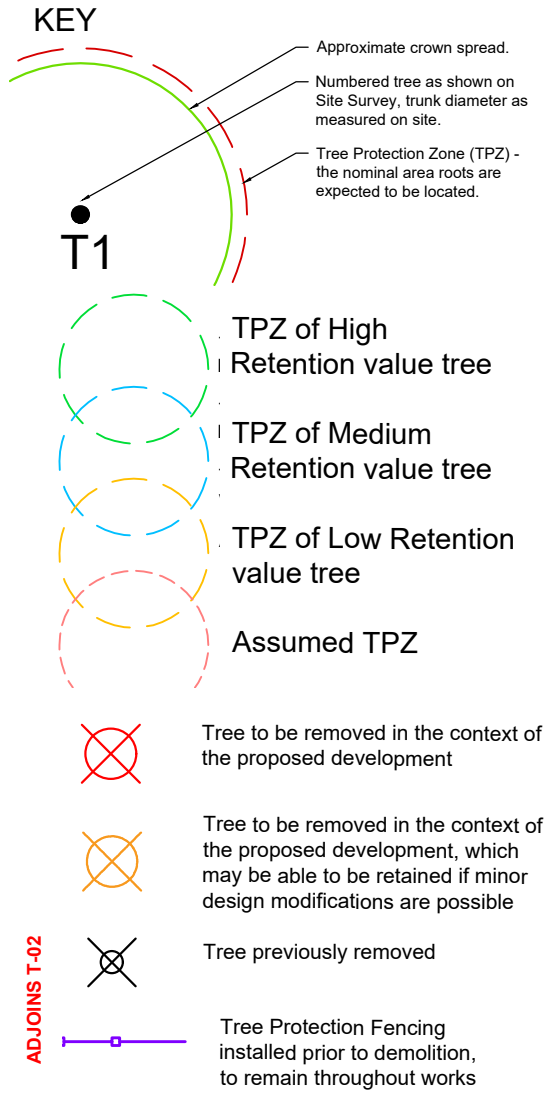
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT KEY PLAN

SCALE	ISSUE	SHEET	REVISION
NTS @ A4	DA	T - 00 of 13	D
DRAWN: JB		DATE: 27-09-19	



MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

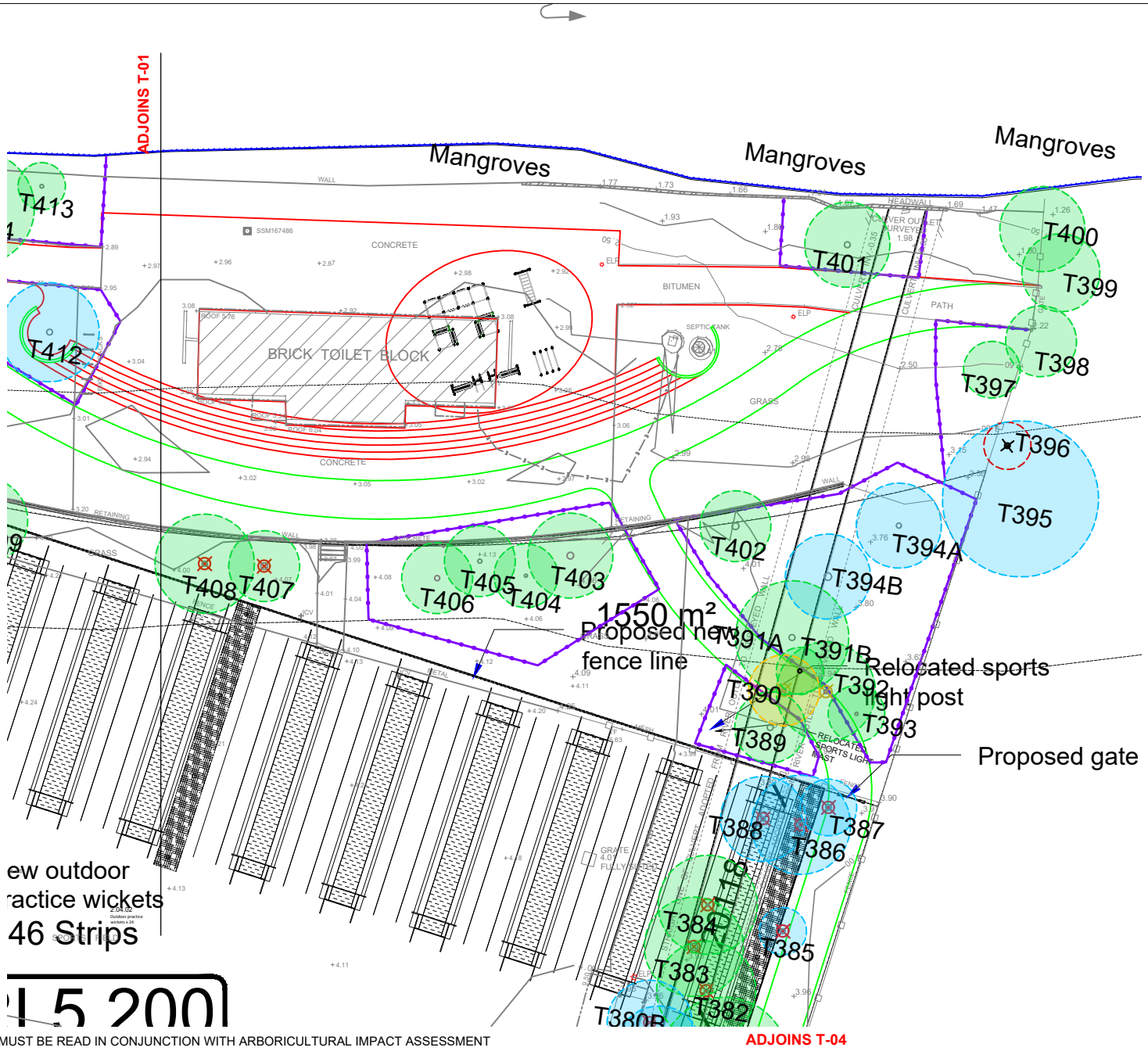
NewLeaf ARBORICULTURE

SYDNEY
Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN
SCALE: 1:500 @ A4 | ISSUE: DA | SHEET: T - 01 of 13
DRAWN: JB | DATE: 27-09-19 | REVISION: D



KEY

Approximate crown spread.

Numbered tree as shown on Site Survey, trunk diameter as measured on site.

Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

TPZ of High Retention value tree

TPZ of Medium Retention value tree

TPZ of Low Retention value tree

Assumed TPZ

Tree to be removed in the context of the proposed development

Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible

Tree previously removed

Tree Protection Fencing installed prior to demolition, to remain throughout works

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

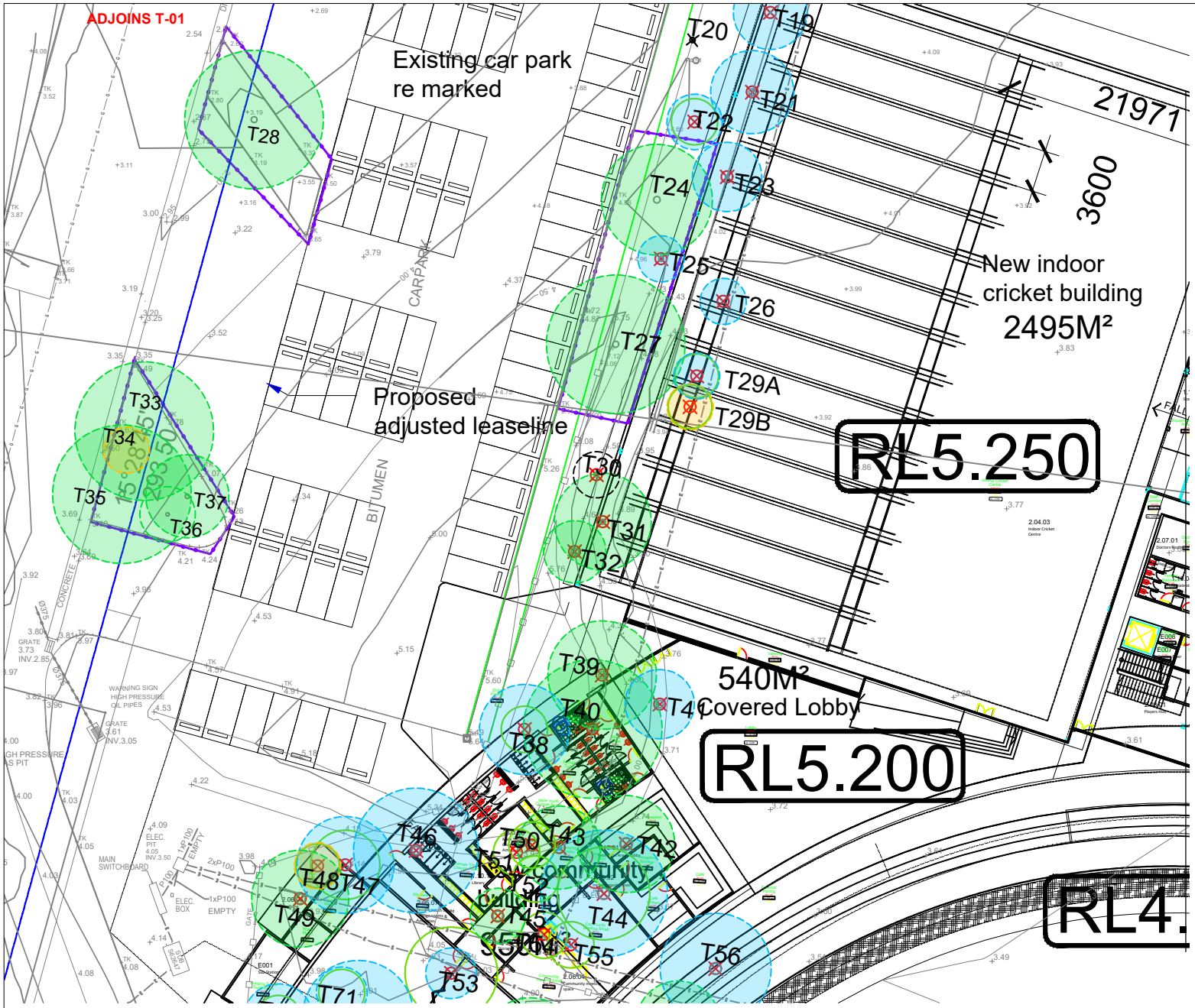
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 02 of 13	D
DRAWN: JB		DATE: 27-09-19	



KEY

Approximate crown spread.

Numbered tree as shown on Site Survey, trunk diameter as measured on site.

Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

TPZ of High Retention value tree

TPZ of Medium Retention value tree

TPZ of Low Retention value tree

Assumed TPZ

Tree to be removed in the context of the proposed development

Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible

Tree previously removed

Tree Protection Fencing installed prior to demolition, to remain throughout works

ADJOINS T-04

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY
Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

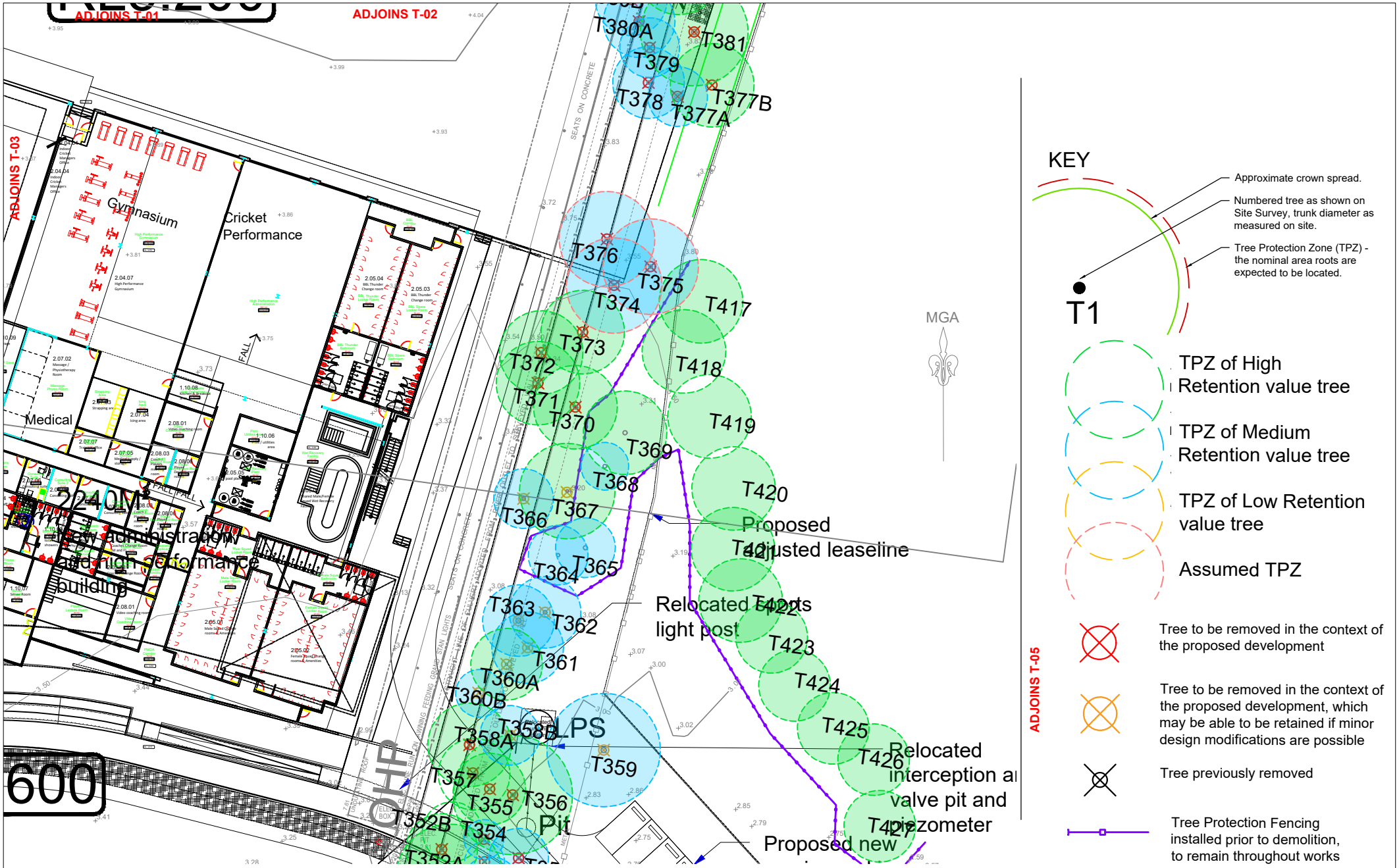
1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET
1:500 @ A4	DA	T - 03 of 13
DRAWN: JB		DATE: 27-09-19

REVISION: D



MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

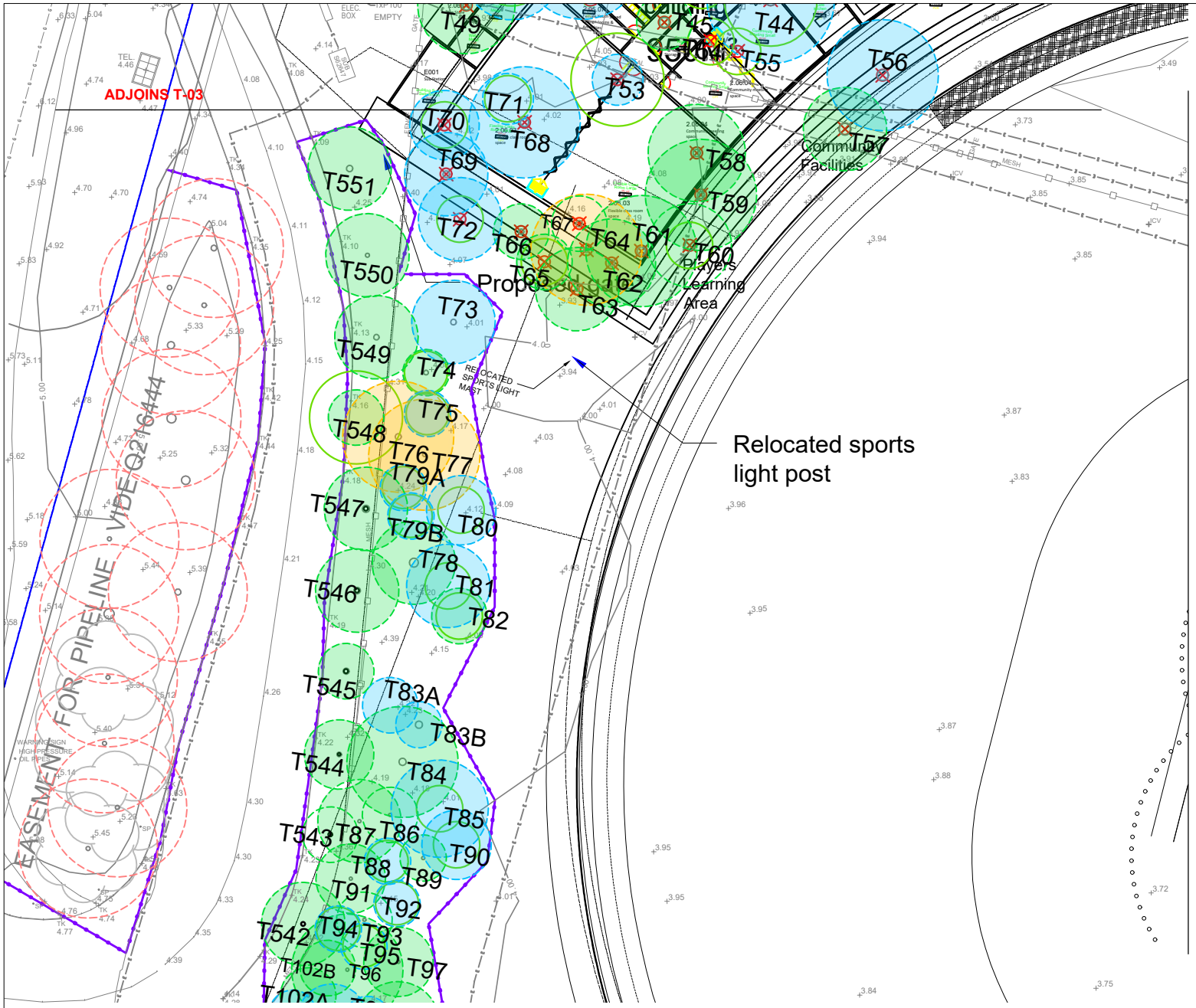
NewLeaf ARBORICULTURE

SYDNEY
Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN
SCALE: 1:500 @ A4 | ISSUE: DA | SHEET: T - 04 of 13
DRAWN: JB | DATE: 27-09-19 | REVISION: D



KEY

- Approximate crown spread.
- Numbered tree as shown on Site Survey, trunk diameter as measured on site.
- Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

- TPZ of High Retention value tree
- TPZ of Medium Retention value tree
- TPZ of Low Retention value tree
- Assumed TPZ
- Tree to be removed in the context of the proposed development
- Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible
- Tree previously removed
- Tree Protection Fencing installed prior to demolition, to remain throughout works

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

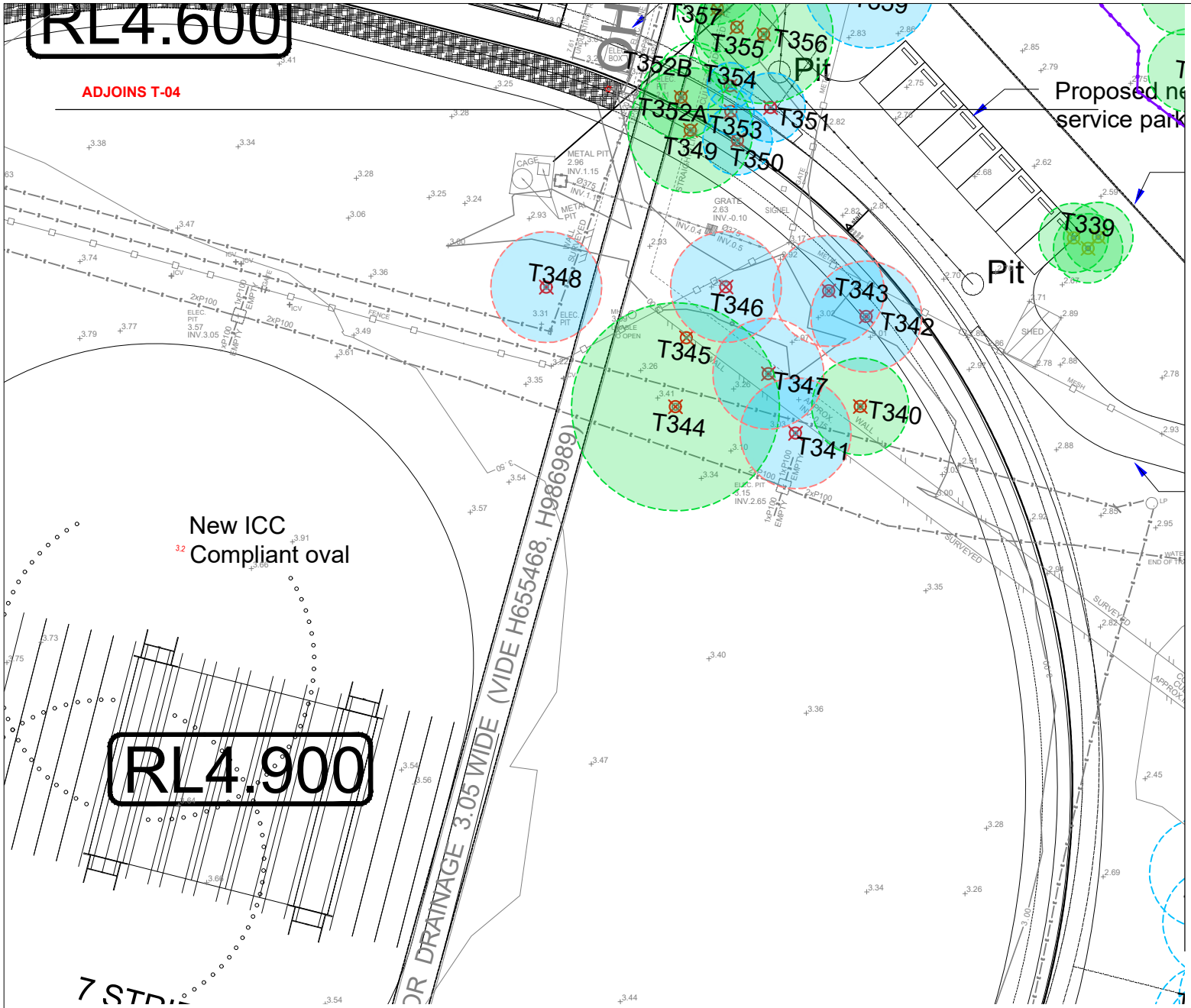
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

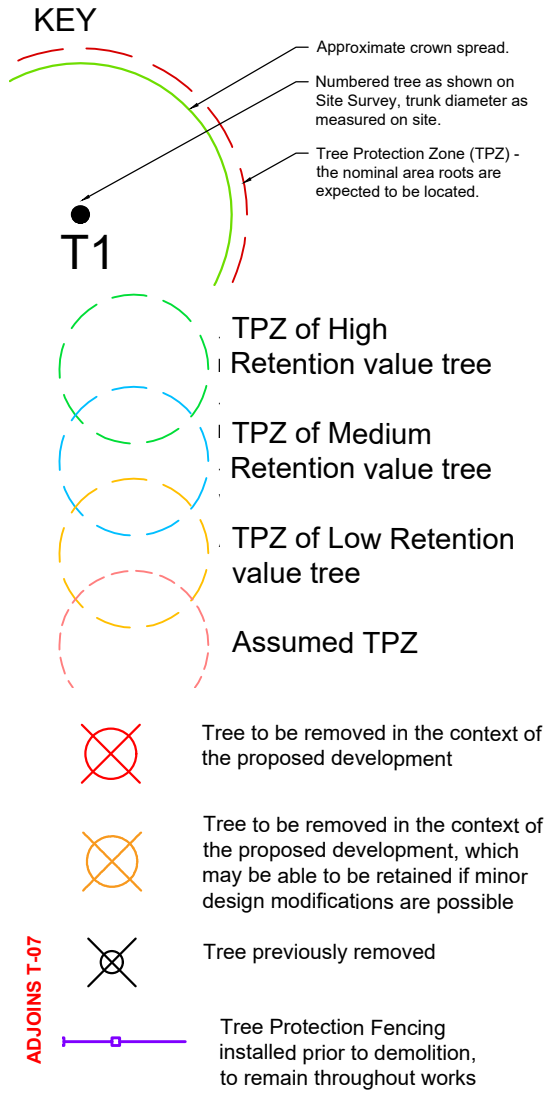
1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 05 of 13	D
DRAWN: JB		DATE: 27-09-19	





MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY
Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 06 of 13	D
DRAWN: JB		DATE: 27-09-19	

interception and valve pit and piezometer

ADJOINS T-04

Proposed new fence line

Melaleuca grove

595M²

Proposed new maintenance access path

New Grounds maintenance and stoarge building

ADJOINS T-06

ADJOINS T-10

ADJOINS T-11

Relocated sports light post

RL4.300

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

KEY

Approximate crown spread.

Numbered tree as shown on Site Survey, trunk diameter as measured on site.

Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

Tree to be removed in the context of the proposed development

Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible

Tree Protection Fencing installed prior to demolition, to remain throughout works

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

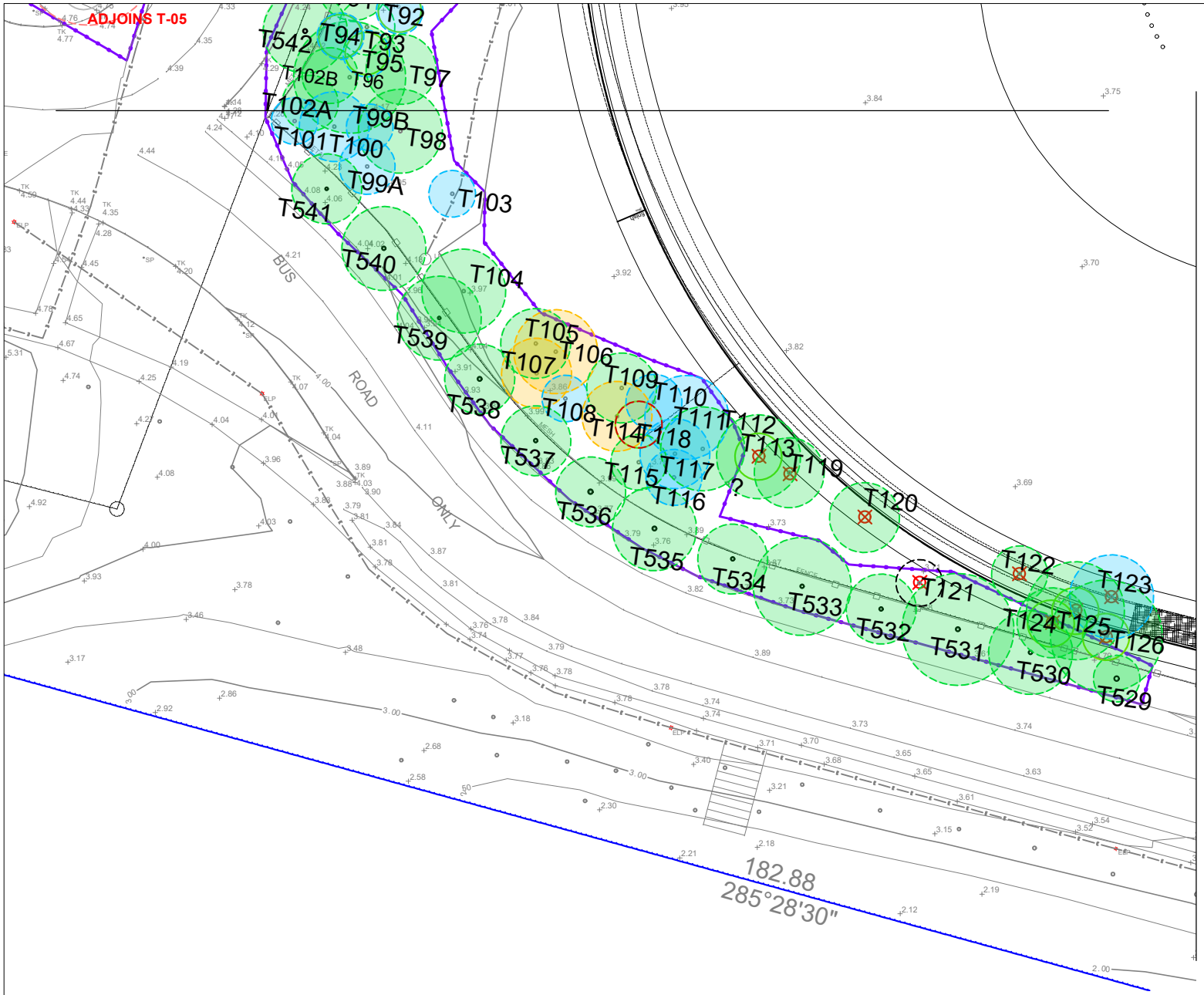
ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK

PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T

CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 07 of 13	D
DRAWN: JB		DATE: 27-09-19	



KEY

Approximate crown spread.

Numbered tree as shown on Site Survey, trunk diameter as measured on site.

Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

TPZ of High Retention value tree

TPZ of Medium Retention value tree

TPZ of Low Retention value tree

Assumed TPZ

Tree to be removed in the context of the proposed development

Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible

Tree previously removed

Tree Protection Fencing installed prior to demolition, to remain throughout works

ADJOINS T-09

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

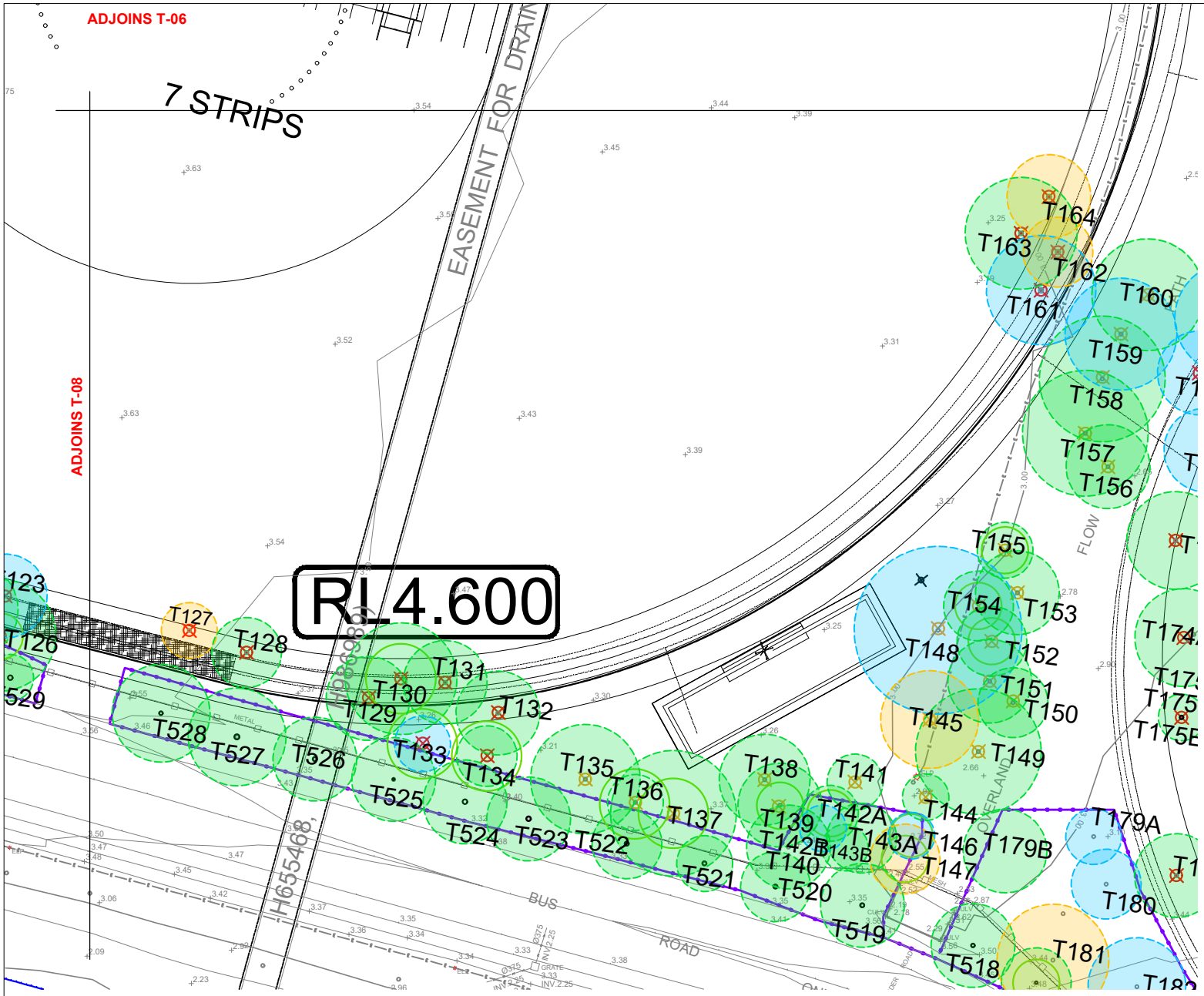
ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK

PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T

CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 08 of 13	D
DRAWN: JB		DATE: 27-09-19	



KEY

- Approximate crown spread.
- Numbered tree as shown on Site Survey, trunk diameter as measured on site.
- Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

- TPZ of High Retention value tree
- TPZ of Medium Retention value tree
- TPZ of Low Retention value tree
- Assumed TPZ
- Tree to be removed in the context of the proposed development
- Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible
- Tree previously removed
- Tree Protection Fencing installed prior to demolition, to remain throughout works

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

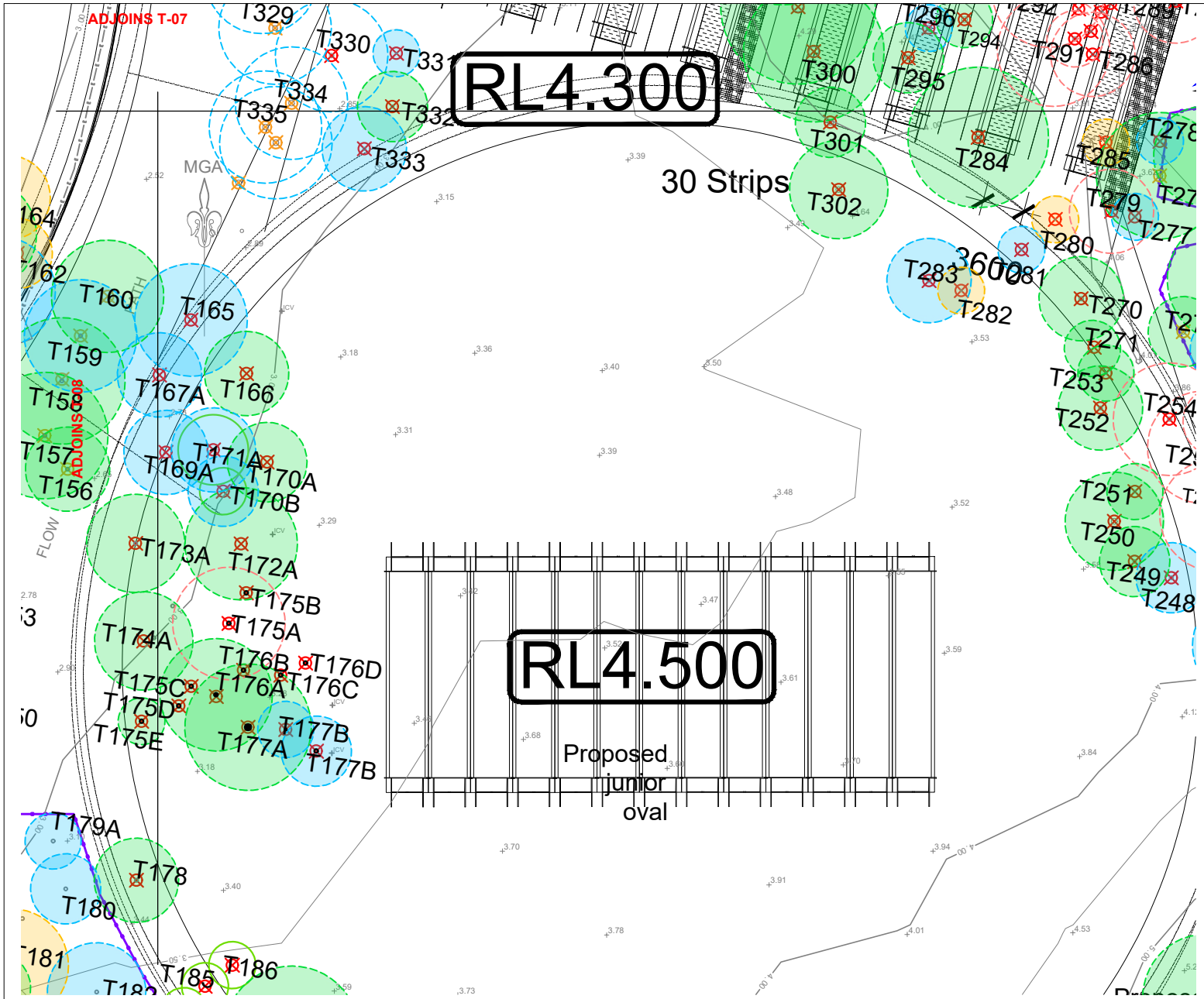
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 09 of 13	D
DRAWN: JB		DATE: 27-09-19	



KEY

- Approximate crown spread.
- Numbered tree as shown on Site Survey, trunk diameter as measured on site.
- Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

- TPZ of High Retention value tree
- TPZ of Medium Retention value tree
- TPZ of Low Retention value tree
- Assumed TPZ
- Tree to be removed in the context of the proposed development
- Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible
- Tree previously removed
- Tree Protection Fencing installed prior to demolition, to remain throughout works

ADJOINS T-11

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

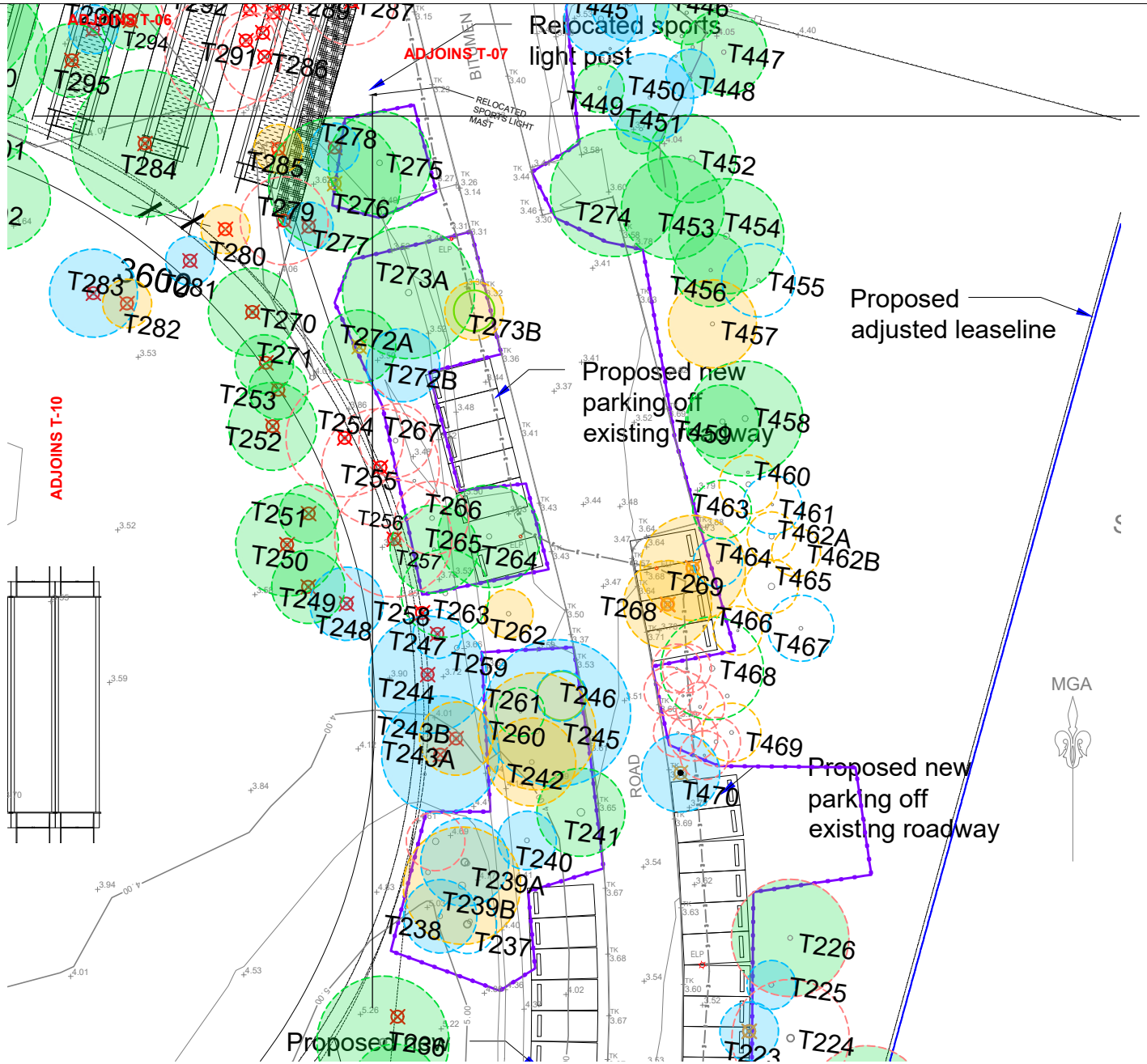
1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET
1:500 @ A4	DA	T - 10 of 13
DRAWN: JB		DATE: 27-09-19

REVISION: D



KEY

- Approximate crown spread.
- Numbered tree as shown on Site Survey, trunk diameter as measured on site.
- Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.
- TPZ of High Retention value tree
- TPZ of Medium Retention value tree
- TPZ of Low Retention value tree
- Assumed TPZ
- Tree to be removed in the context of the proposed development
- Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible
- Tree previously removed
- Tree Protection Fencing installed prior to demolition, to remain throughout works

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

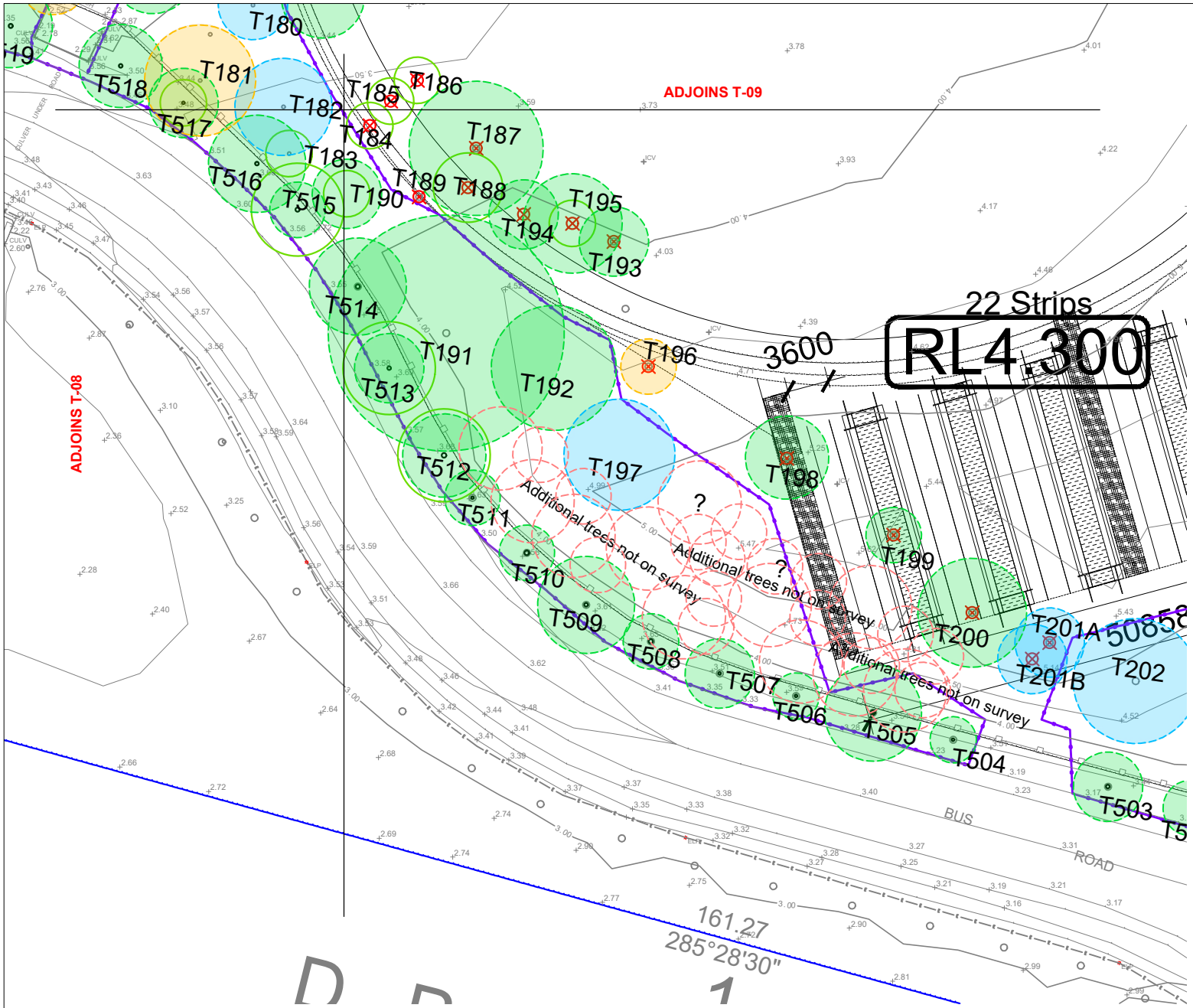
SYDNEY
Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET	REVISION
1:500 @ A4	DA	T - 11 of 13	D
DRAWN: JB		DATE: 27-09-19	



KEY

Approximate crown spread.

Numbered tree as shown on Site Survey, trunk diameter as measured on site.

Tree Protection Zone (TPZ) - the nominal area roots are expected to be located.

T1

TPZ of High Retention value tree

TPZ of Medium Retention value tree

TPZ of Low Retention value tree

Assumed TPZ

Tree to be removed in the context of the proposed development

Tree to be removed in the context of the proposed development, which may be able to be retained if minor design modifications are possible

Tree previously removed

Tree Protection Fencing installed prior to demolition, to remain throughout works

MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY

Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au

JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

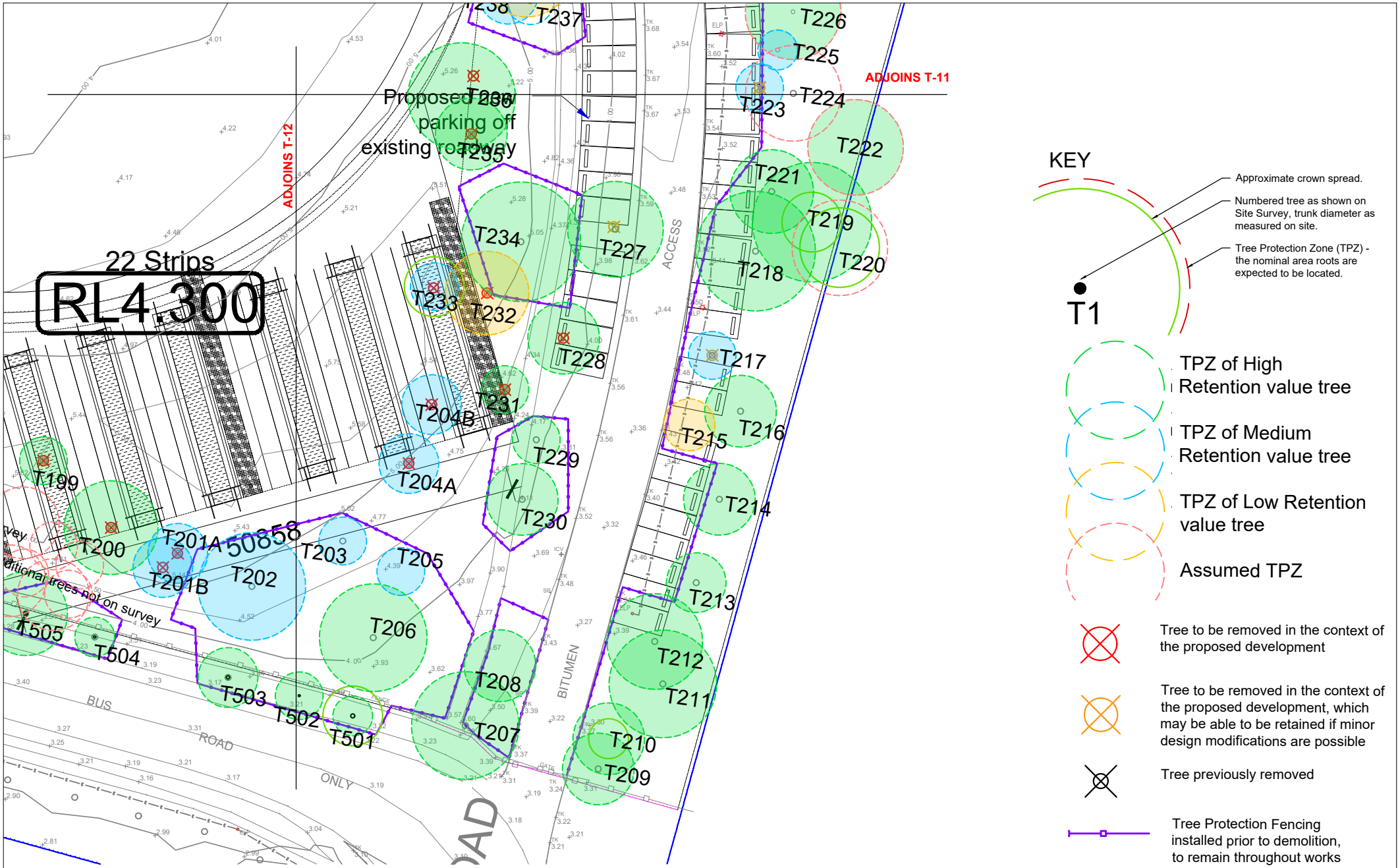
1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET
1:500 @ A4	DA	T - 12 of 13
DRAWN: JB		DATE: 27-09-19

REVISION: D



MUST BE READ IN CONJUNCTION WITH ARBORICULTURAL IMPACT ASSESSMENT

REV	DESCRIPTION	DRAWN	DATE
A	PRELIMINARY SITE ANALYSIS - TREE IMPACT PLAN - FOR COORDINATION	JB	15-03-19
B	DRAFT TREE IMPACT PLAN - FOR REPORT	JB	10-09-19
C	TREE PROTECTION CONCEPT PLAN - FOR REPORT	JB	17-09-19
D	UPDATED LEVELS - FOR REPORT	JB	27-09-19

NewLeaf ARBORICULTURE

SYDNEY
Email: jacki@newleaftrees.com.au
Web: www.newleaftrees.com.au
JACKI BROWN, B.A., Dip. Hort. (Arb)
Accredited Member of the Institute of Australian Consulting Arboriculturists
Member of the International Society of Arboriculture

1. Do not scale from drawings.
2. Verify all measurements on site.
3. Notify New Leaf Arboriculture of any inconsistencies.
4. Copyright ©New Leaf Arboriculture. All rights reserved.
5. Drawing remains the property of New Leaf Arboriculture.

ADDRESS: WILSON PARK, SYDNEY OLYMPIC PARK
PROJECT: PROPOSED CRICKET CENTRE DEVELOP'T
CLIENT: CRICKET NSW

DRAWING: TREE PROTECTION CONCEPT PLAN

SCALE	ISSUE	SHEET
1:500 @ A4	DA	T - 13 of 13
DRAWN: JB		DATE: 27-09-19

REVISION: D

5. Tree Assessment Methodology

5.1 Limitations and Assumptions

The recommendations in this report rely on the provided information, including architectural plans and documents, limited to those listed in **2.2 Reference Documents**.

Care has been taken to obtain all information from reliable sources; however the author makes no representations, guarantees or warranties as to the accuracy of information provided by others. Similarly, no warranties are made as to the accuracy or completeness of any reproduction of this report. This report is only valid in its entirety and for the purpose for which it was prepared.

Conditions on the site may change after the tree assessment. Liability will not be accepted for damage or injury as a result of unforeseeable events or natural processes.

This report does not constitute or include a tree risk assessment. Where defects are noted, these are recommended for further investigation where warranted. Other tree defects may be present which have not been noted.

5.2 Tree Assessment

Visual tree assessment was carried out by Jacki Brown, Arboricultural Consultant in February and March 2019. The tree inspection was limited to a visual assessment from ground level, without excavation, coring, drilling, climbing or other testing. Trunk diameters were measured using a standard tape measure, crown spreads were paced out on site, and tree heights were estimated by eye.

A TreeAZ retention value was assigned to each tree to inform the development layout planning process, with the intention of retaining as many high retention value (or 'A' rated) trees as possible. Details of the TreeAZ method can be found in the Appendix.

The Arboricultural Impact Assessment utilises the Australian Standard *AS4970-2009 Protection of trees on development sites*.

5.3 Tree Survey Data

Refer to the **Tree Survey Information Table** (page 4).

Useful Life Expectancy (ULE) ratings are given for each tree, of either Long (40+ years), Medium (15-40 years), Short (5-15 years) or Remove (less than 5 years). The ratings are estimates based on the assessed health, condition and structure of each tree at the time of assessment, in its specific location. The ratings are not static, and may be revised during future assessments if conditions change.

Significance ratings are given for each tree, based on their Amenity Value, Ecological Value, size and location. While High significance trees provide substantial values to their surroundings, Low and Medium significance trees also contribute to the Urban Forest and in many cases may grow to become High significance trees, given the opportunity.

An ***Ecological Value*** rating of High, Medium or Low has been assigned to each tree, based on the species and potential habitat values, however this should not be taken as ecological advice.

6. Arboricultural Impact Assessment Results

6.1 Trees within the Development Footprint

There are two hundred and eighty two (282) trees within the footprint of the proposed development including fifty eight (58) within the fill for landscape level regrading (shown in italics below). Of these, one hundred and twenty two (122) are High Retention Value trees, one hundred and forty three (143) are Medium Retention Value trees, and seventeen (17) are Low Retention Value trees.

Table 1: Trees within the Development Footprint

Retention Value	To be removed (within main construction footprint)	Total
High	T 31, 32, 39, 40, 42, 43, 45, 49, 57, 58, 59, 60, 61, 62, 63, 65, 66, 67, 119, 120, 122, 124, 125, 126, 128, 129, 130, 131, 132, *134, 135, 136, 140, 141, 142A, 143A, 143B, 144, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 160*, 163, 166, 170A, 172A, 173A, 174A, 175A, 175E, 176A, 177A, 178, *179B*, 187, 193, 194, 195, 198, 199, 200, *223, 228*, 231, *235, 236*, 249, 250, 251, 252, 253, 270, 271, 284, 294, 295, 298, 299, 300, 301, 302, 321, 322, 324, 332, *339*, 340, 344, 349, 352A, 352B, 355, 356, 357, 358A, *360A*, 361, 362, 363, *366, 367, 370, 371, 372, 373*, 381, 382, 383, 384, *392*, 409, 410, 411 & *437*	**121** *(29)*
Medium	T 14, 19, 21, 23, 26, 29A, 38, 41, 44, 46, 47, 50, 51, 52, 53, 54, 55, 56, 68, 69, 70, 71, 123, *133*, 142B, *146, 147, 148, 159, 161*, 165, 167A, 167B, 167C, 168A, 168B, 169A, 169B, 170B, 171A, 171B, 172B, 172C, 172D, 173B, 173C, 173D, 173E, 174B, 174C, 174D, 175B, 175C, 175D, 176B, 176C, 176D, 177B, 177C, *179A, 180, 182, 183*, 184, 185, 186, 188, 189, 204A, 204B, 233, *243A*, 244, 247, 248, 254, 255, 256, 258, 277, 278, 279, 281, 283, 286, 287, 288, 289, 290, 291, 292, 293, 296, 297, 303A, 303B, 307, 308, 309, 312, 316, 317, 319, 320, 323, 325, *326, 327, 328, 329*, 330, 331, 333, *334, 335*, 341, 342, 343, 345, 346, 347, 348, 350, 351, 353, 354, *360B, 375, 376*, 377A, 377B, 378, 379, 380A, 380B, 385, 386, 387, 388, *431, 432, 433* & *552*	**143** *(23)*
Low	T 29B, 30, 48, 64, 127, 145, 162, 164, *181*, 232, *243B, 268, 269*, 280, 282, 285, *390* & *434*	**18** *(6)*
Total	Total removed	**282**

6.2 Trees with Major Encroachments from the Proposed Development

There are fifty three (53) trees with major encroachments from the proposed development, including forty (40) High retention value trees, three (3) of which will be removed, eleven (11) Medium retention value trees, ten (10) of which will be removed, and two (2) Low retention value trees, one (1) of which will be removed..

Table 2: Trees with Major Encroachments from the Development

Retention Value	To be removed (for main construction footprint)	Total	To be retained	Total	To be removed (for landscape regrading)	Total
High	T 113, 408	**2**	T 24, 212, 213, 214, 215, 216, 217, 218, 221, 224, 225, 226, 227, 264, 336, 337, 391, 393, 401, 402, 403, 404, 405, 406, 418, 436, 523, 524, 525, 526, 527, 528, 529, 530, 532, 533 & 534	**37**	T 315	**1**
Medium	T 22, 25, 72 & 138	**4**	T 464	**1**	T 138, 201A, 311, 374, 470, 552	**6**
Low	T 196	**1**	T 435	**1**	-	**0**
Total	Total removed	**7**	Total retained	**39**		**7**

6.3 Trees with Minor Encroachments from the Proposed Development

Thirteen (13) trees will have minor encroachments from the proposed development and can be retained and protected, including eight (8) High retention value, three (3) Medium retention value, and three (3) Low retention value trees, two of which are recommended for removal and replacement.

Table 3: Trees with Minor Encroachments from the Development

Retention Value	To be removed	Total	To be retained	Total
High	-	**0**	T27, 191, 192, 219, 234, 417, 463, & 551	**8**
Medium	-	**0**	T272B, 438 & 522	**3**
Low	T11, 18	**2**	T466, 469	**2**
Total	Total removed	**2**	Total retained	**13**

6.4 Trees with Uncertain Outcomes depending on Detail Design

Twenty five (25) trees will have potential impacts from the proposed development, and may be able to be retained, depending on the detail design of the proposal. These trees are all High and Medium Retention Value, and are worth modifying the design to retain. It is estimated that only minor modifications would be needed to retain these trees (such as modifying the extent of fill, or relocating pedestrian paths). Recommendations for individual trees are listed in the **Tree Survey Information Table**.

Table 4: Trees with Encroachments from the Development - Outcome Uncertain

Retention Value	May be retained depending on detail design	Total
High	T137, 139, 190, 229, 257, 263, 276, 304, 305, 364, 365, 369, 389, 407, 468	**15**
Medium	T7, 8, 73, 267, 306, 314, 338, 358B, 368, 412	**10**
Total		**25**

6.5 Trees Not Impacted by the Proposed Development

One hundred and eighty seven (187) trees will not be impacted by the proposed development provided that tree sensitive design and construction measures are implemented, tree protection measures are utilised, and that additional services or structures are not proposed within their TPZ areas.

Table 5: Trees with No Encroachments from the Development

Retention rating	To be retained	Total	To be retained (specific TPZ req'ts)	Total
High	T1, 2, 3, 6, 13, 74, 78, 82, 84, 86, 87, 89, 91, 93, 96, 97, 98, 102A, 102B, 104, 105, 109, 112, 115, 206, 207, 208, 209, 210, 211, 220, 222, 230, 241, 261, 272A, 273A, 274, 275, 318, 394A, 394B, 397, 398, 399, 400, 413, 414, 415, 416, 419, 420, 421, 422, 423, 424, 425, 426, 427, 429, 446, 447, 449, 451, 452, 453, 454, 456, 458, 459,501, 502, 503, 504, 505, 507, 508, 509, 510, 511, 512, 513, 514, 516, 517, 518, 519, 535, 536, 537, 539, 540, 541, 542, 544, 545, 546, 547, 548, 549, 550	101	T 16, 28, 33, 35, 36,& 37	6
Medium	T4, 5, 12, 75, 79A, 79B, 80, 81, 83A, 83B, 85, 88, 90, 92, 94, 95, 99A, 99B, 100, 101, 103, 108, 110, 111, 116, 117, 197, 202, 203, 205, 237, 238, 239A, 240, 245, 246, 259, 265, 266, 310, 313, 359, 395, 439, 440, 441, 442, 443, 444, 445, 448, 450, 455, 461, 467, 506, 515, 520, 521, 538 & 543	61	T 15	1
Low	T76, 77, 106, 107, 114, 118, 239B, 242, 260, 262, 273B, 430, 457, 460, 462A, 462B, & 465	17	T 34	1
Total	Total retained	179	Total	8

6.6 Other Trees

Trees 9, 10, and **20** had been removed prior to assessment due to recent storms. The remaining stumps of **Trees 9** and **10** will need to be removed during the works.

Six (6) trees are recommended to be removed and replaced due to their poor condition: **Trees 17**, **30**, **121** (dead), **390**, **396** (dead), and **428**.

There were multiple trees on site which have not been shown on the site survey. The locations of these all trees on site should be verified prior to determining whether they need to be removed in the context of the proposed development. Further arboricultural impact assessment will be needed for those trees.

7. Discussion

7.1 Trees Within the Construction Footprint

Where trees are located within the footprint of landscape level regrading, there may be opportunity to avoid some tree removal, by reducing the amount of earthworks, allowing some areas to have steeper slopes, or retaining walls instead of slopes. Retaining walls should be located outside TPZ areas, or if within TPZ areas, must be installed without bulk excavation, utilising pier and beam construction such as timber sleeper walls.

7.2 Detail Design Effects on Trees

Some trees appear to be able to be retained in the context of the proposed development, however may be impacted by detail design. The design team should coordinate with the arborist to minimise tree loss and tree impacts, with particular regard to the following:

- Preference tree retention over parking space - relocate parking spaces to avoid tree conflicts;
- Minimise bulk earthworks in the areas containing existing trees - utilise retaining walls outside TPZ areas to attain finished levels instead of bulk regrading;
- Consider locating the Grounds Maintenance compound in an area which is already cleared, rather than where the area of vegetation currently stands;
- Where ancillary features such as paths, car parking and landscape features conflict with existing trees, preference retention of the trees by designing the features around trees in coordination with the arborist;
- Where proposed car parking encroaches into TPZ areas, low impact installation will be needed which does not involve excavation or scraping of site soil, such as "grass rings" or similar to spread the load of vehicles and allow water and oxygen ingress.
- Tree 412 will need root investigation to place footings in close proximity for the landscape feature - alternatively, consider increasing the radius of the feature to be outside the TPZ;
- Consider additional tree planting within the existing western carpark to provide shade from the westerly and northerly sun;
- Include large tree species for planting on the site, such as *Eucalyptus, Syncarpia, Casuarina, Corymbia, Angophora*;
- Avoid planting trees into mounded soil which provides poor conditions for tree growth; and
- Provide sufficient soft landscaped area to provide 10% of the site as replacement tree planting area.

During detail design stage, a comprehensive tree protection plan and specification should be developed by the Project Arborist, which will need to involve further arboricultural impact assessment of any works which are proposed subsequent to the current concept plans.

7.3 Trees Outside the Works Area

Trees outside the site "lease area" should not be removed or impacted by works within the site. Tree sensitive design and construction measures will be needed to avoid impacting these trees. Detail design should ensure that potential impacts to neighbouring trees can be avoided.

7.4 Area of Canopy Coverage On Site

The current canopy coverage of the site in its existing usage as a park is approximately 45%. Roughly 15% of the tree cover on site will be removed in the context of the proposed development. The plans should allow for space for new tree planting to at least 10% of the site "lease area" if the NSW target canopy coverage of 40% is to be returned on the site.

7.5 Replacement Tree Planting

To address the biodiversity and canopy coverage aims of the project, native trees of a diverse range of species need to be planted as replacements on site. Species need to be chosen from a diverse size range, and most importantly should include trees with potential to become large canopy trees, such as *Eucalyptus, Casuarina, Syncarpia, Angophora* and *Corymbia* species.

7.1 Conclusion

Tree retention should be increased by reducing the amount of regrading for landscape levels to allow for TPZ areas to remain at existing levels, for High and Medium retention value trees. The proposal will involve removal of about 15% tree canopy on site (by area) and at least 10% of the site should be set aside for new tree planting to return the site to at least 40% canopy coverage.

8. Recommendations

8.1 Tree Retention

- Retain one hundred and eight seven (187) trees as shown in Table 5 as they will have no encroachments from the proposed development, provided that the tree protection recommendations are implemented.
- Retain thirteen (13) trees as shown in Table 3 as they will have minor encroachments from the proposed development, provided that tree protection recommendations are implemented.
- Retain thirty nine (39) trees as shown in Table 2 which have Major encroachments, by utilising tree protection measures, as specified below.
- Retain twenty five (25) trees as shown in Table 4 via modifications during detail design if possible.

8.2 Minimise Tree Impacts during Detail Design

- Minimise regrading where possible in the TPZ areas of existing trees, to increase tree retention. Refer to section 7.2 for suggested design details to maximise tree retention.

8.3 Minimise Tree Impacts during Works

- Install structures, driveways, fill etc above grade without excavation or scraping of topsoil, to minimise the impacts on roots and soil disturbance within the TPZ area of all retained trees.
- Route underground services away from all retained trees' TPZ areas.
- Hand excavate any services where they pass through TPZ areas, avoiding damage or cutting of roots of 40mm diameter or greater. Route conduits between or through roots wherever possible to minimise root loss (including roots smaller than 40mm).

- Avoid cut and fill (including 'scraping' and grading) within TPZ areas of retained trees.

8.4 Tree Protection Measures

- Tree protection fencing, in the form of 1.8m high chainlink ("site fencing") should be installed to exclude all construction access for the TPZ areas, as shown on the Tree Protection Plan, prior to works commencing (demolition, any excavation, services and driveway installation), and maintained in situ for the duration of works on site.
- Mulch the TPZ areas of all retained trees, to protect the soil and fibrous roots from drying out, and other impacts.
- Watering of the fenced TPZ areas should be carried out during extended dry periods throughout the duration of works on site (e.g. when no rain has occurred in the last 2 weeks, provide watering at least 3 times per week).
- If construction access through any fenced TPZ area is required, ground protection and trunk protection will be required, in coordination with the Project Arborist.

8.5 Tree Removal

- Remove two hundred and eighty two (282) trees as shown in Table 1 as they are within the proposed development footprint.
- Remove fourteen (14) trees as shown in Table 2, as they have major encroachments from the proposed development, except where design modification can be utilised to retain some of these trees.
- Remove Trees 17, 121, 396 & 428 as shown in section 6.6 due to their condition.

8.6 Replacement Tree Planting

- Provide at least 10% of the site area as tree planting area, and at least three hundred (300) individual trees, to offset the loss of trees on site, and return the site to at least 40% canopy coverage in line with NSW Government canopy coverage commitments.
- Select native tree species from a range of mature size, species types and habit, to increase biodiversity and amenity on the site. Refer to section 7.5.

8.7 Ongoing Tree Management

- Monitor all trees on site for the duration of works and for 12 months following, before implementing a regular tree maintenance programme.

The recommendations of this report do not constitute consent to carry out works. Approval is required in the form of Development Consent to prune or remove trees, as well as the consent of the tree owner where trees are on neighbouring properties.

Further information and clarification can be obtained from the author.

Jacki Brown
Arboricultural Consultant
New Leaf Arboriculture Pty Ltd
ABN 86 627072619
jacki@newleaftrees.com.au
0415 550 284

NewLeaf ARBORICULTURE

INSTITUTE OF AUSTRALIAN CONSULTING ARBORICULTURISTS IACA ACCREDITED MEMBER™

AQF Level 5 (Dip Hort. (Arb))
BA, Dip. Hort. (Landsc.), Cert. III Cons. & Land Mgmt. (Nat. Area Restoration)
Accredited Member of the Institute of Australian Consulting Arboriculturists (IACA)
Secretary of the Institute of Australian Consulting Arboriculturists (IACA)
Member of International Society of Arboriculture (ISA)