



arboricultural impact assessment - 60-62 beaconsfield street & 7-13 queens parade, newport

13th November 2019 prepared by Melanie Howden - Ass. Dip. Hort. (Haw. Ag. C.), SoA. Arb. MAIH, MIACA



Executive Summary

This report has been prepared to assess the condition and significance of a number of trees on and adjacent the properties known as 60-62 Beaconsfield Street & 7-13 Queens Parade, Newport and assess the potential impacts of the proposed development on the identified trees. The report has been commissioned by Stable Properties and site instructions have been provided by Nettleton Tribe Architects. Site inspections and field work were conducted on the 23rd April 2019 and for the purposes of this report the properties known as 60-62 Beaconsfield Street & 7-13 Queens Parade, Newport will be referred to as the site.

The tree assessments have been carried out using the Visual Tree Assessment (VTA) method (Mattheck & Breloer 2010) and development impact assessments are based upon the Australian Standard, Protection of Trees on Development Sites AS 4970-2009.

The site extends over 6 allotments located between Beaconsfield Street and Queens Parade, Newport with road frontages on the northern and southern sides of the site. The site is currently developed and contains 5 dwellings and a child-care facility. The site is moderately sloping and falls to the south and there are a number of retaining walls and terraced areas outside the existing building footprints. The proposed development involves demolition of the existing built structures and construction of multi-level apartments and a basement carpark (Nettleton Tribe, 2019).

There are **115** trees on or adjacent the proposed development site that have been considered in this report of which; **75** trees are located on the site; **6** trees are located on the adjoining allotments and **34** trees are located within the road reserves.

Of the **115** trees considered in this report, based upon the proposed plans:

- **30** trees are to be retained (**2** trees on site, **6** trees are located on the adjoining allotments & **22** trees are located within the road reserve), and
- **85** trees are proposed to be removed (73 trees on site & **12** trees within the road reserve).

A qualitative breakdown of the trees to be retained and removed is shown in the tables below.

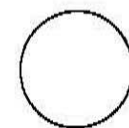
Details of the 24 Trees to be Retained on the Site & within the Road Reserves (number of trees)							
Condition	Environmental / Landscape Significance						
	Declared Biosecurity Weed	Env. Pest (Exempt from DCP)	Low L/scape Sig.	Moderate L/scape Sig.	High L/scape Sig.	Very High L/scape Sig.	Threatened Species
SULE - 1		1	1	3	11	2	
SULE - 2			1		2	1	
SULE - 3							
SULE - 4					1		
Unstable		1					

Details of the 85 Trees to be Removed on the Site & within the Road Reserves (number of trees)							
Condition	Environmental / Landscape Significance						
	Declared Biosecurity Weed	Env. Pest (Exempt from DCP)	Low L/scape Sig.	Moderate L/scape Sig.	High L/scape Sig.	Very High L/scape Sig.	Threatened Species
SULE - 1		19	2	2	4		
SULE - 2		36	3	2			
SULE - 3		5	3		2		
SULE - 4		4	2	1			
Unstable							

Provided that the general tree protection measures are implemented, and the proposed works are carried out in a sensitive manner the proposed development is unlikely to have a significant impact on the trees identified as being retained.

Contents

sheet 1.....	this cover page
sheet 2.....	existing site - tree locations & reference numbers
sheets 3-8.....	arboricultural assessment - tree data sheets
sheet 9.....	proposed development – tree retention & removal
sheets 10-15...	impact of proposed development on individual trees
sheet 16	tree protection plan prior to & during demolition and construction
sheet 17-18....	tree protection measures



scale at A3

nts

dwg no. rev.

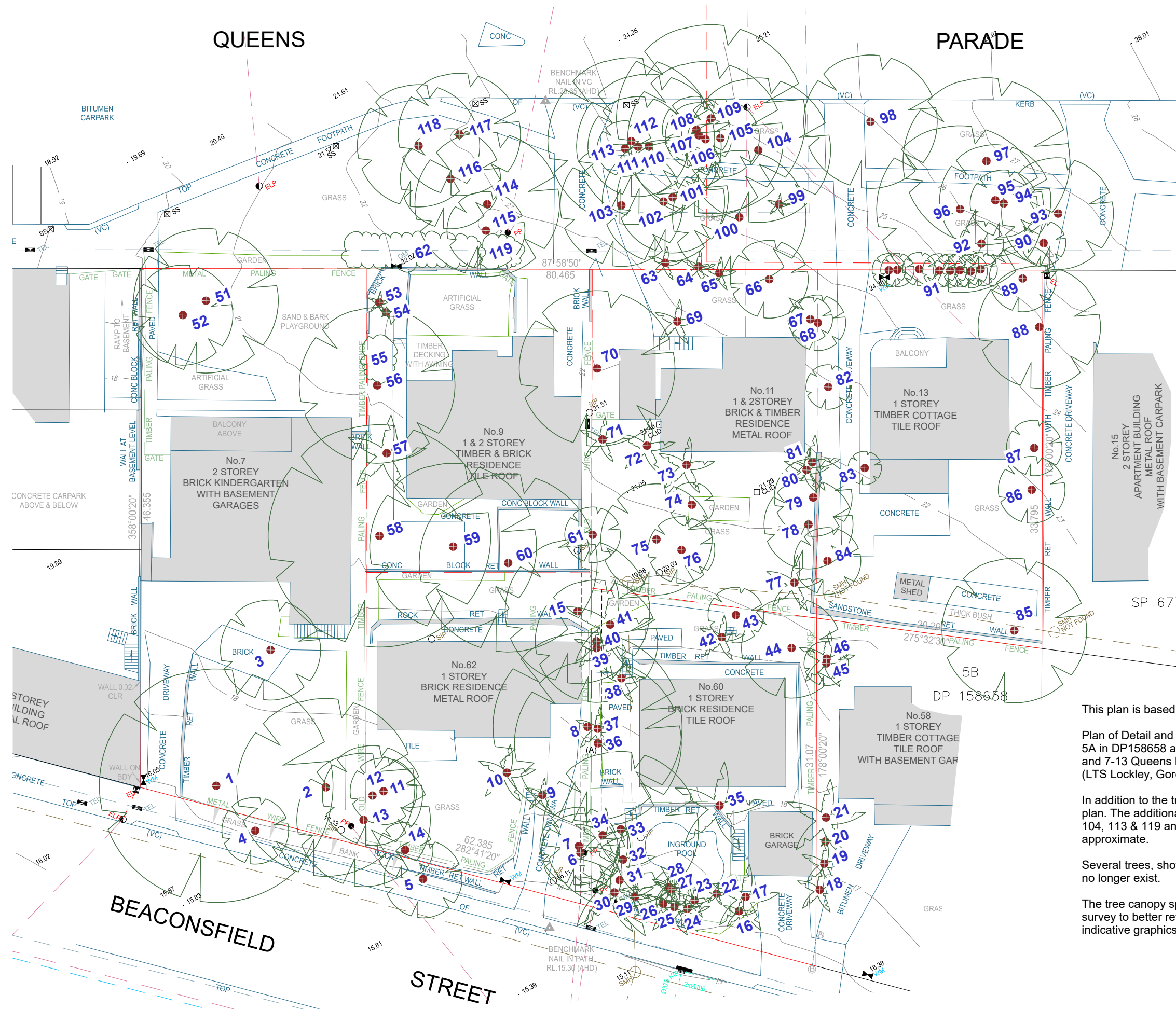
aiasc 2.01 0.2

sheet of


1 18

drawing title

cover sheet



tree legend

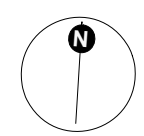
 trees considered in this report with tree reference number

This plan is based upon:
 Plan of Detail and Levels Over Lots 3 A & 3B in DP164259, 4A & 4B in DP159498, 5A in DP158658 and Lot 2 in DP209106 Known as 60-62 Beaconsfield Street and 7-13 Queens Parade, Newport, Ref.No.50556 001DT, Dated 27/11/2018, (LTS Lockley, Gordon, NSW)

In addition to the trees identified on the survey 14 trees have been added to this plan. The additional trees are Tree No's 4, 7, 9, 12, 14, 20, 55, 67, 86, 87, 94, 104, 113 & 119 and their locations, whilst based upon surveyed features, are approximate.

Several trees, shown on the survey have been deleted on this plan as they no longer exist.

The tree canopy spreads on this plan have been adjusted from those on the survey to better reflect the actual canopy spreads however they remain as indicative graphics.



tree significance

significance in the environment

Trees need to be considered in the overall environment and are subject to specific legislation and planning instruments such as:

- Biodiversity Conservation Act (NSW) 2016
- Biosecurity Act (NSW) 2015, and
- Development Control Codes.

Biodiversity Conservation Act (NSW) 2016

The Biodiversity Conservation Act lists in its schedules a number of species, populations or ecological communities that are either endangered or vulnerable. The Act requires biodiversity offsets to be made if an activity or development is going to have a significant effect on species, populations or endangered ecological communities listed in the schedules of the Act. Where identified on or adjacent the site, threatened tree species are considered in this report, however no attempt is made to identify trees as components of threatened ecological communities or populations.

Biosecurity Act (NSW) 2015

The purpose of the Biosecurity Act is to protect the NSW economy, environment and community from the negative impact of pests, diseases and weeds. In NSW, all plants are regulated with a general biosecurity duty to prevent, eliminate or minimise any biosecurity risk they may pose. In relation to weeds, the Act identifies weed species under 4 categories being:

- Weeds of National Significance;
- National Environmental Alert Weeds;
- Water Weeds;
- Native Plants Considered to be Weeds.

The Act makes provision of Regional Strategic Weed Management Plans which may include additional weed species to be dealt with weed control at a regional or local level.

Where tree is a species declared under the 4 main weed categories in the Act or where it is a species listed in a Regional Strategic Management Plan, the tree should be a priority for removal.

Development Control Codes

There are a number of environmental pest species that commonly cause problems in developed urban areas or readily spread into natural bushland areas. In urban areas, these species can have aggressive root systems and cause damage to built structures or services. Alternatively, some species can be problematic in natural bushland areas degrading habitats and reducing natural biodiversity.

Many of these are recognised by Councils as pest species and are exempt from protection under Council's Development Control Plans (DCP).

significance in the landscape

Assessment of a tree's significance in the landscape is generally categorised as either:

- Very High Landscape Significance- prominent from a broad landscape perspective;
- High Landscape Significance - prominent from a neighbourhood perspective;
- Moderate Landscape Significance - prominent from adjacent areas surrounding the site;
- Low Landscape Significance - prominent from a site perspective only.

tree condition & life expectancy

condition

The assessment of the trees condition is undertaken by visual inspection of the trees themselves, surrounding vegetation and the site conditions.

An assessment of each tree is undertaken taking into account the condition of the tree's roots, trunk, branches, foliage, previous pruning works, pests and disease, nesting hollows, fauna scratchings and the surrounding environment that may influence the condition of the tree.

Safe Useful Life Expectancy (SULE)

The condition information is used to determine the Safe Useful Life Expectancy (SULE) of each tree and takes into account the age of the tree, the life span of the species, local environment conditions, estimated life expectancy, the location of the tree and safety aspects.

The SULE method takes into account whether a tree can be retained with an acceptable level of risk based on the information available at the time of inspection. A SULE assessment is not static as it relates to the tree's health and the surrounding conditions. Whilst it is recognised that changes to the tree's condition will affect the assessment, changes to the surrounding environment may result in changes to the SULE assessment.

Table 1 Safe Useful Life Expectancy (SULE), (Barrell, 2001)

Category	Description
1	Long -Life span greater than 40 years
2	Medium - Life span from 15 to 40 years
3	Short - Life span from 5 to 15 years
4	Should be removed within 5 years
5	Small, Young or Regularly Pruned, Trees that can readily be moved or replaced.

In addition to the categories listed above, trees that show signs of imminent structural failure are listed as 'Unstable'.

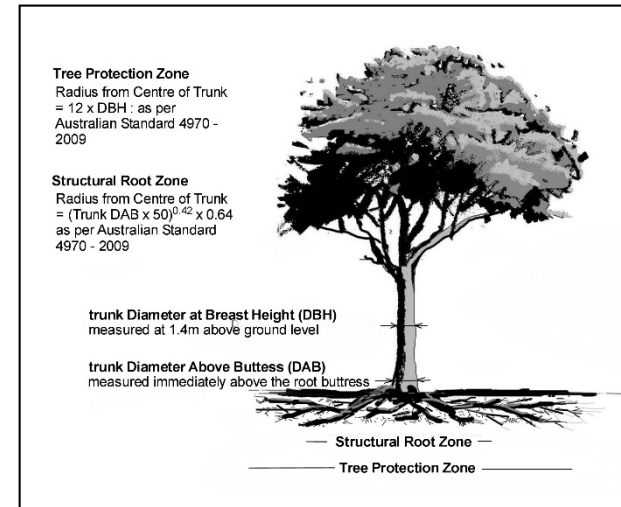
Unstable Unstable in the ground or have significant trunk damage rendering them structurally hazardous.

development planning & general impacts on trees

tree protection zones

Where trees are intended to be retained, development footprints should be located away from trees so as to provide adequate clearances for a tree protection zone. Disturbance within Tree Protection Zones can be detrimental to the tree's root system and in turn affect the stability, health and condition of the tree. In many cases damage to the root systems is the major cause of tree decline in urban areas.

Figure 3.1 Typical diagram of a Tree Protection Zone & Structural Root Zone of a tree based upon AS 4970 – 2009.



Where trees are multi-trunk specimens assessment needs to be made based upon the number of trunks and the diameter of each trunk. Based upon the Australian Standard for Protection of Trees on Development Sites, AS 4970 – 2009, the DBH of multi-trunk trees is calculated by:

$$DBH = \sqrt{(DBH_1)^2 + (DBH_2)^2 + (DBH_3)^2}$$

development design & Tree Protection Zones

Where trees are intended to be retained, proposed developments must provide an adequate Tree Protection Zone around trees. This Tree Protection Zone is set aside for the tree's root zone and it is essential for the stability and longevity of the tree. Existing soil levels should be retained within the Tree Protection Zone.

Based upon the Australian Standard for Protection of Trees on Development Sites, AS 4970 – 2009, the radius of the Tree Protection Zone (TPZ) is calculated as: TPZ = 12 x DBH with a minimum 2.0m radius and a maximum 15m radius.

developments within the Tree Protection Zone

Minor encroachments into Tree Protection Zones

Based upon AS 4970 – 2009 some development activity can occur within the vicinity of trees and minor encroachments can occur within the calculated Tree Protection Zone provided that:

- no more than 10% of the area (m²) of the Tree Protection Zone is removed (0.7 x TPZ radius on 1 side only);
- the encroachment does not extend into the Structural Root Zone, and
- the area (m²) to be removed is compensated for by increasing the distance of the Tree Protection Zone in other directions so that there is no net loss in area (m²) of the Tree Protection Zone

Major encroachments into Tree Protection Zones

Where the proposed development activity is greater than that described as a minor encroachment (refer above); the activity is considered to be a major encroachment into the Tree Protection Zone.

Where major encroachments are to occur within the Tree Protection Zone of trees intended to be retained, it must be demonstrated that the works or activities will not have a significant impact on the health and condition of the tree. To demonstrate this detailed root mapping investigation by non-invasive methods may be necessary; and other factors such as the age class, health & vigour, trunk lean, disturbance tolerance of the species, and building design may need to be taken into account in the arboricultural assessment.

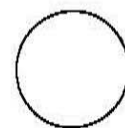
Where major encroachments are proposed to occur into the Tree Protection Zone the tree's Structural Root Zone should also be taken into account.

developments within the tree's Structural Root Zone

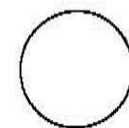
The Structural Root Zone is the area surrounding the tree where the severance of roots and excavation is likely to affect the structural stability of the tree and is likely to have a significant detrimental impact on the health & condition of the tree. Based upon AS 4970 – 2009 the radius of a tree's Structural Root Zone (SRZ) is determined by measuring the diameter of the trunk immediately above the root buttress (DAB) and calculated by: SRZ = (DAB x 50) 0.42 x 0.64.

Developments should not encroach into the tree's Structural Root Zone and existing soil levels must remain unchanged. Excavation should not occur within this area unless a detailed arboricultural assessment is undertaken and Specific Tree Protection measures will be required.

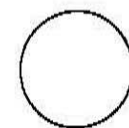
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m ²)
1	<i>Liquidambar styraciflua</i>	Sweet Gum	15	21	810, 270, 220, 370, 230, 210, 200	1040	Mature multi trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning. However, some pruning of lower branches has occurred.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	None evident	1	On site	12.30	475.30
2	<i>Syncarpia glomulifera</i>	Turpentine	13	16	470, 460, 410, 470	1230	Mature multi trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . Some pruning of lower branches to a height of 9m above ground level is evident.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	10%	None evident	1	On site	10.90	373.30
3	<i>Cinnamomum camphora</i>	Camphor Laurel	13	9	470	520	Mature twin trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	The tree has twiggy deadwood in the upper canopy	1	On site	5.60	98.50
4	<i>Callistemon 'Hannah Ray'</i>	Hannah Ray Bottlebrush	8	6	250, 260	420	Mature twin trunk tree with an elevated spreading form; an upright trunk/s and majority of canopy and branch development is towards the south. Lower limbs of the tree have been pruned to 4m.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Fair	15%	Branch inclusion in main junction at 0.5m.	4	Within road reserve	4.30	58.10
5	<i>Callistemon 'Hannah Ray'</i>	Hannah Ray Bottlebrush	10	7	210, 290, 300	490	Mature multi trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . Lower limbs of the tree have been pruned to 4m.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Fair	15%	None evident	4	Within road reserve	5.60	98.50



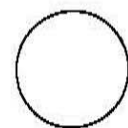
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m ²)
6	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	12	7	350	380	Mature single trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	None evident	1	On site	4.20	55.40
7	<i>Syzygium australe</i>	Brush Cherry	5	7	70, 40, 60	150	Semi-mature multi trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree stability is suspect and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	<5%	Reshooting stump.	3	On site	2.00	12.60
8	<i>Jacaranda mimosifolia</i>	Jacaranda	15	17	420	420	Mature twin trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	Small shallow hollow in main junction.	1	On site	5.00	78.50
9	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	8	3	160	250	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	0.90	2.50
10	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	13	5	220	280	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	1.50	7.10
11	<i>Schefflera actinophylla</i>	Umbrella Tree	11	6	230, 70, 320, 160, 70, 40	570	Mature multi trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	5.30	88.20
12	<i>Cinnamomum camphora</i>	Camphor Laurel	9	9	210, 70	270	Semi-mature twin trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation.	2	On site	2.70	22.90
13	<i>Alphitonia excelsa</i>	Red Ash	13	12	300, 210, 200	490	Mature multi trunk tree with an upright spreading form; an upright trunk/s and majority of canopy and branch development is towards the south. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	2	On site	5.00	78.50
14	<i>Strelitzia sp.</i>	Bird of Paradise	11	5	160, 180, 160, 160, 160, 160	700	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	3.00	28.30
15	<i>Melaleuca quinquenervia</i>	Paperbark	15	13	270, 280, 510, 190	1260	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	10%	The tree has multiple inclusions at various branch junctions.	3	On site	8.00	201.10
16	<i>Trachycarpus sp.</i>	Windmill Palm	5	3	230	270	Mature single trunk tree with an elevated rounded form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1/5	On site	0.70	1.50
17	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	6	260	330	Mature single trunk tree with an elevated rounded form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.10	3.80
18	<i>Syagrus romanzoffianum</i>	Cocos Palm	12	4	270	510	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On adjacent allotment	2.40	18.10
19	<i>Syagrus romanzoffianum</i>	Cocos Palm	12	4	270	500	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	3	On adjacent allotment	2.40	18.10
20	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	1	190	320	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears fair. The tree is considered to be in poor health and displays poor vigour.	Fair	<5%	The tree appears to be suppressed by the adjacent vegetation	4	On adjacent allotment	1.40	6.20
21	<i>Syagrus romanzoffianum</i>	Cocos Palm	12	7	260	500	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	3	On adjacent allotment	2.40	18.10
22	<i>Washingtonia robusta</i>	Cotton palm	2	2	290	370	Immature single trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	None evident	1	On site	3.50	38.50
23	<i>Dypsis lutescens</i>	Golden Cane Palm	5	3	50, 50, 40, 40, 30, 30, 30	340c	Semi-mature multi trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site		
24	<i>Syagrus romanzoffianum</i>	Cocos Palm	12	4	210	290	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.50	7.10
25	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	5	210	270	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.50	7.10
26	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	4	190	270	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.50	7.10
27	<i>Archontophoenix alexandrae</i>	Alexandra Palm	4	3	100, 90, 60	360	Semi-mature twin trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	0.70	1.50
28	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	4	3	100	180	Immature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	0.40	0.50
29	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	7	3	140	200	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation	2	On site	2.00	12.60



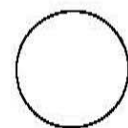
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m ²)
30	<i>Phoenix canariensis</i>	Canary Island Date Palm	5	7	810	870	Mature single trunk tree with a broad spreading form; a slight trunk lean to the south and majority of canopy and branch development is towards the south. No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	1.80	10.20
31	<i>Phoenix canariensis</i>	Canary Island Date Palm	8	10	790	940	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	3.00	28.30
32	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	6	230	320	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.70	9.10
33	<i>Syncarpia glomulifera</i>	Turpentine	16	14	670	740	Mature single trunk tree with an upright forest form; a slight trunk lean to the north and balanced canopy and branch development . Pruning of northern branch at 6m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	None evident	1	On site	8.00	201.10
34	<i>Washingtonia robusta</i>	Cotton palm	6	5	280	410	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	1.10	3.80
35	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	8	310	410	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	None evident	2	On site	2.10	13.90
36	<i>Ficus benjamina</i>	Weeping Fig	17	15	580	630	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . The tree has been pruned to 10m on the eastern side.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree has lower trunk damage to 2m with decay and fungal growths.	3	On site	7.00	153.90
37	<i>Howea forsteriana</i>	Kentia Palm	7	4	150	210	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation	1/5	On site	2.00	12.60
38	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	7	4	180	240	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	0.80	2.00
39	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	6	4	160	220	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation	2	On site	0.60	1.10
40	<i>Eucalyptus nicholii</i>	Narrow-Leaf Peppermint	15	11	410	460	Mature single trunk tree with an upright forest form; a slight trunk lean to the south and majority of canopy and branch development is towards the south. No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Good	10%	Minor epicormic growth is evident.	3	On site	4.90	75.40
41	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	8	280	330	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays good vigour.	Good	<5%	None evident	2	On site	1.80	10.20
42	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	9	4	200	270	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	Slight basal damage on the lower trunk eastern side.	2	On site	1.10	3.80
43	<i>Callistemon 'Hannah Ray'</i>	Hannah Ray Bottlebrush	8	5	250, 230	450	Mature twin trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	3	On site	4.10	52.80
44	<i>Radermachera sinica</i>	China Doll	11	9	210, 130	420	Mature twin trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	3.00	28.30
45	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	7	4	170	250	Immature single trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On adjacent allotment	2.00	12.60
46	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	12	5	220	270	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On adjacent allotment	1.40	6.20
51	<i>Acer negundo</i>	Box Elder	10	13	450	470	Mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . Lower limbs of the tree have been pruned.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	10%	Decay evident in stubs.	2	On site	5.40	91.60
52	<i>Lophostemon confertus</i>	Brushbox	13	9	610	690	Mature single trunk tree with an upright spreading form; an upright trunk/s and majority of canopy and branch development is towards the west. Lower limbs of the tree have been pruned to 5m the tree may have been topped at 2m previously.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	7.30	167.40
53	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	7	2	140	210	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	0.70	1.50
54	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	6	1	140	200	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation	3	On site	0.60	1.10
55	<i>Phyllostachys spp</i>	Rhizomatous Bamboo	13	6	100	2200	Mature multi trunk tree with an upright clumping form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	1	On site	10.90	373.30
56	<i>Syncarpia glomulifera</i>	Turpentine	16	14	1040, 440	1270	Mature twin trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	Monstera is climbing on the trunk to 5m.	1	On site	13.60	581.10
57	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	7	300	370	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	Wound occurs from ground level to 3m on the southern side of the tree.	3	On site	2.00	12.60
58	<i>Syncarpia glomulifera</i>	Turpentine	17	20	1060, 520	1690	Mature twin trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	Syngonium is growing on lower trunk. Basal swelling is apparent on the smaller trunk.	1	On site	14.20	633.50



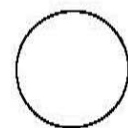
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
59	<i>Syncarpia glomulifera</i>	Turpentine	16	15	460, 220, 370, 490, 390	1040	Mature multi trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	10.70	359.70
60	<i>Ficus benjamina</i>	Weeping Fig	15	16	650	630	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	7.80	191.10
61	<i>Ligustrum lucidum</i>	Large Leaf Privet	100	5	110, 100, 70, 120, 80	320	Mature multi trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	2.60	21.20
62	<i>Murraya paniculata (Group of 7)</i>	Orange Blossom	4	4	100, 80, 40, 60, 40, 30	300	Group of 7 Mature multi trunk trees with broad spreading forms, upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	Within road reserve	2.00	12.60
63	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	4	3	120	220	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	Within road reserve	0.50	0.80
64	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	3	3	100	190	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	Within road reserve	0.40	0.50
65	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	3	3	70	110	Immature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Fair	<5%	None evident	3	On site	0.30	0.30
66	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	12	7	400	530	Mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	None evident	1	On site	4.80	72.40
67	<i>Cinnamomum camphora</i>	Camphor Laurel	5	4	90	150	Semi-mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	2.00	12.60
68	<i>Cinnamomum camphora</i>	Camphor Laurel	5	5	100, 60, 30, 110, 90, 40, 40	520	Semi-mature multi trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree stability is suspect and its branch attachment appears poor. The tree is considered to be in moderate health and displays good vigour.	Good	<5%	None evident	1	On site	2.30	16.60
69	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	8	4	160	290	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.00	3.10
70	<i>Acer negundo</i>	Box Elder	13	14	630	660	Mature multi trunk tree with an upright spreading form; a slight trunk lean to the and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	15%	Decay is present in branch stubs and in the main trunk at 2.5m.	4	On site	7.60	181.50
71	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	12	4	190	290	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	1.50	7.10
72	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	12	5	250	360	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	None evident	2	On site	1.80	10.20
73	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	12	5	230	310	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	2	On site	2.80	24.60
74	<i>Persea americana</i>	Avocado	6	4	110	130	Semi-mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	2.00	12.60
75	<i>Callistemon salignus</i>	Willow Bottlebrush	13	10	540	600	Mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in moderate health and displays fair vigour.	Fair	20%	Decay in old stub at 2m on the southern side.	4	On site	6.50	132.70
76	<i>Ligustrum sinense</i>	Small Leaf Privet	7	6	230	310	Over mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . Lower limbs of the tree have been pruned.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears fair. The tree is considered to be in moderate health and displays fair vigour.	Fair	15%	Decay present in branch stubs previously pruned.	4	On site	2.80	24.60
77	<i>Livistona australis</i>	Cabbage Palm	8	5	270	310	Mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	5%	None evident	1 / 5	On site	1.10	3.80
78	<i>Ligustrum sinense</i>	Small Leaf Privet	6	8	150, 170, 160, 210, 130	550	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears fair. The tree is considered to be in moderate health and displays fair vigour.	Fair	20%	Fungal growths evident on old stubs.	4	On site	4.50	63.60
79	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	10	7	270	310	Mature single trunk tree with an upright spreading form; a distinct trunk lean to the north and majority of canopy and branch development is towards the north east. Appears that the central leader has been pruned/removed at 1.8m	Low L/scape Sig.	The tree displays some signs of instability and its branch attachment appears poor. The tree is considered to be in moderate health and displays fair vigour.	Fair	<5%	None evident	3	On site	3.20	32.20
80	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	9	4	100, 150	440	Mature twin trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	2.20	15.20
81	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	9	5	120, 260	620	Mature twin trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears poor. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	2.20	15.20
82	<i>Lagerstroemia indica</i>	Crepe Myrtle	5	4	150, 160, 160, 60, 40, 30	490	Mature multi trunk tree with an upright spreading form; an upright trunk/s 30and balanced canopy and branch development . Appears that the central leaders has been pruned/removed at 2m.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	Decay present in branch stubs previously pruned.	2	On site	3.40	36.30

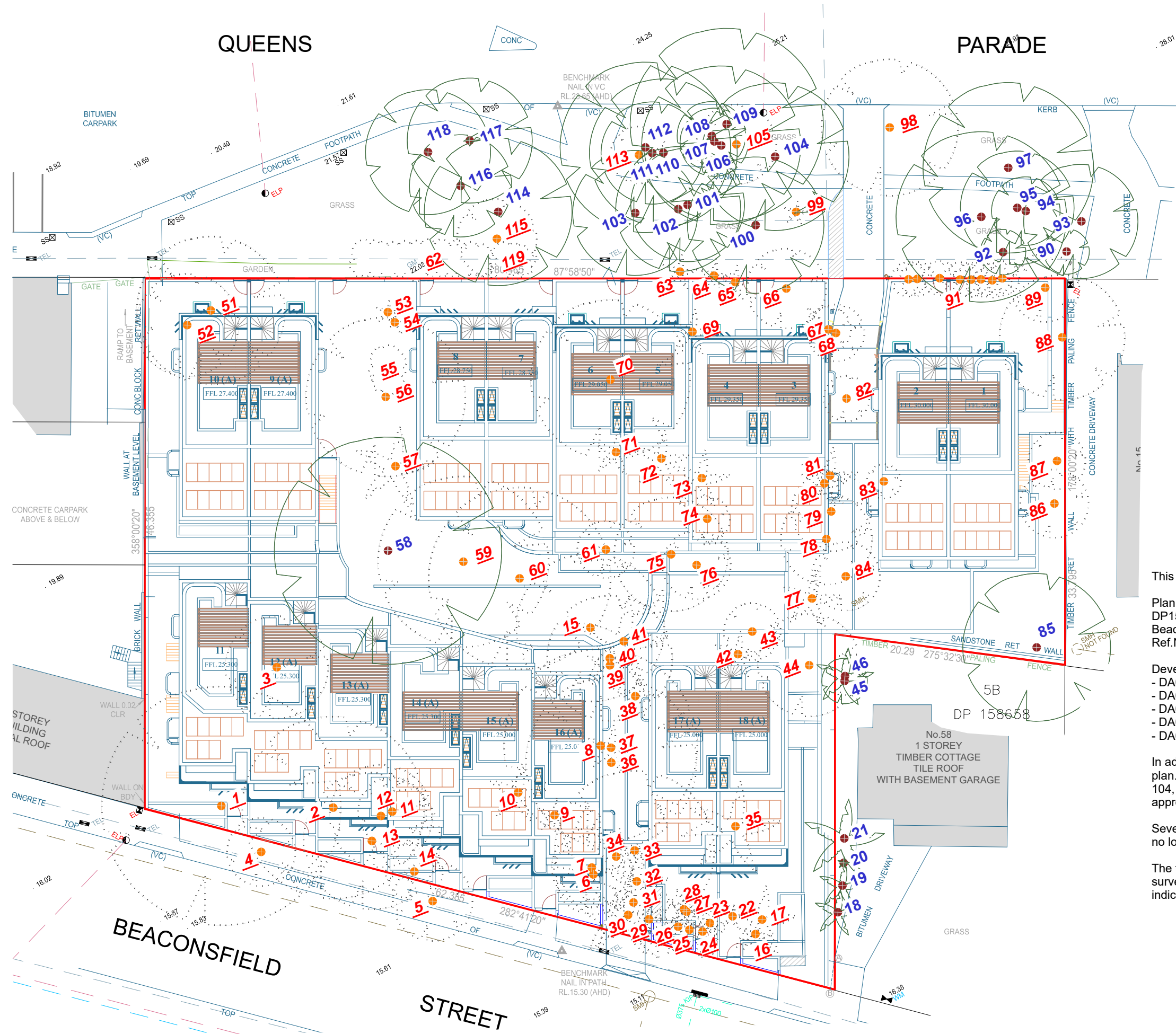


Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
83	<i>Schefflera actinophylla</i>	Umbrella Tree	5	3	130, 60, 70, 50, 40	260	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	3	On site	2.10	13.90
84	<i>Persea americana</i>	Avocado	10	6	140, 160	250	Semi-mature twin trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	2.60	21.20
85	<i>Syncarpia glomulifera</i>	Turpentine	15	13	640	740	Mature single trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	On site	7.70	186.30
86	<i>Prunus persica</i>	Peach	5	6	220, 220, 60, 110, 60	410	Over mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . Lower limbs of the tree have been pruned.	Pest Species - Exempt from Council's DCP	The tree displays some signs of instability and its branch attachment appears poor. The tree is considered to be in moderate health and displays fair vigour.	Fair	10%	There is evidence of decay in trunk and old branch stubs	4	On site	4.10	52.80
87	<i>Persea americana</i>	Avocado	5	5	160, 60	200	Semi-mature twin trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	On site	2.10	13.90
88	<i>Jacaranda mimosifolia</i>	Jacaranda	12	11	500	540	Mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . Lower limbs of the tree have been pruned.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	There is evidence of decay in trunk and old branch stubs	2	On site	6.00	113.10
89	<i>Citharexylum spinosum</i>	Fiddlewood	13	6	180, 40	230	Semi-mature single trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	15%	None evident, however twiggy dieback is present.	2	On site	2.20	15.20
90	<i>Cupressus sp.</i>	Cypress	6	4	190	210	Semi-mature single trunk tree with an upright pyramidal form; an upright trunk/s and balanced canopy and branch development . Appears that the central leader has been pruned/removed.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation	1	Within road reserve	2.30	16.60
91	<i>Fraxinus griffithii</i> (Group of 16)	Evergreen Ash	7	3	1100	130	Group of 16 Immature single trunk trees with upright elliptical forms, upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation	2	On site	13.20	547.40
92	<i>Prunus persica</i>	Peach	3	4	90, 70	220	Mature twin trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Fair	35%	The tree appears to be suppressed by the adjacent vegetation, decay in stubs	4	Within road reserve	2.00	12.60
93	<i>Syncarpia glomulifera</i>	Turpentine	10	10	280, 280, 160	790	Mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	None evident	1	Within road reserve	5.10	81.70
94	<i>Elaeodendron australe</i>	Red Olive Plum	6	6	170	210	Mature single trunk tree with an upright forest form; a slight trunk lean to the south east and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Good	10%	The canopy has sparse foliage.	2	Within road reserve	2.0	12.60
95	<i>Syncarpia glomulifera</i>	Turpentine	11	10	280	440	Mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	The tree has a trunk wound at 3m on the northern side.	1	Within road reserve	3.40	36.30
96	<i>Eucalyptus paniculata</i>	Ironbark	18	15	650	840	Mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	None evident	1	Within road reserve	7.80	191.10
97	<i>Eucalyptus paniculata</i>	Ironbark	17	15	700, 350	1100	Mature twin trunk tree with an upright forest form; a slight trunk lean to the north west and majority of canopy and branch development is towards the north west. No evidence of significant branch pruning.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Excellent	5%	The tree has a moderate bark inclusion at 0.5m.	1	Within road reserve	9.40	277.60
98	<i>Angophora floribunda</i>	Rough-Barked Apple	13	12	600	820	Mature single trunk tree with a broad spreading form; a slight trunk lean to the north west and balanced canopy and branch development . No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree displays some signs of instability and its branch attachment appears fair. The tree is considered to be in moderate health and displays fair vigour.	Fair	20%	The tree has a small trunk hollow at 2.5m.	2	Within road reserve	7.20	162.90
99	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	3	2	60	110	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	2	Within road reserve	0.30	0.30
100	<i>Eucalyptus robusta</i>	Swamp Mahogany	13	12	580, 140	920	Mature multi trunk (at 2m) tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . Lower limbs of the tree have been pruned to 3m on the southern side..	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	Within road reserve	7.20	162.90
101	<i>Eucalyptus paniculata</i>	Ironbark	13	10	600	680	Mature twin trunk (at 9m) tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the north. Lower limbs of the tree have been pruned to 10m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	15%	The foliage has reduced leaf size.	1	Within road reserve	7.20	162.90
102	<i>Eucalyptus punctata</i>	Grey Gum	14	11	450	650	Mature single trunk tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the south west. Lower limbs of the tree have been pruned to 3m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	15%	None evident	1	Within road reserve	5.40	91.60
103	<i>Eucalyptus punctata</i>	Grey Gum	14	11	610	790	Mature single trunk tree with an upright forest form; a slight trunk lean to the north west and majority of canopy and branch development is towards the north west. Lower limbs of the tree have been pruned to 9m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	15%	The tree has a wound in the lower trunk and Kino is evident from small wounds in the lower trunk. Minor amounts of Mistletoe are in the canopy.	2	Within road reserve	7.30	167.40
104	<i>Eucalyptus resinifera</i>	Red Mahogany	14	13	500	650	Mature single trunk tree with an upright forest form; a slight trunk lean to the north east and majority of canopy and branch development is towards the north east. Lower limbs of the tree have been pruned to 5m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	1	Within road reserve	6.00	113.10
105	<i>Cinnamomum camphora</i>	Camphor Laurel	8	7	210	260	Semi-mature single trunk tree with an upright spreading form; an upright trunk/s and majority of canopy and branch development is towards the east. No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	The tree appears to be suppressed by the adjacent vegetation.	1	Within road reserve	2.50	19.60
106	<i>Eucalyptus paniculata</i>	Ironbark	17	14	520	260	Mature single trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	<5%	None evident	1	Within road reserve	6.20	120.80



Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
107	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	8	6	150	320	Immature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	The tree appears to be suppressed by the adjacent vegetation.	1	Within road reserve	2.00	12.60
108	<i>Olea europaea subsp cuspidata</i>	African Olive	7	6	90, 80, 50, 150	280	Semi-mature multi trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	None evident	1	Within road reserve	2.40	18.10
109	<i>Eucalyptus resinifera</i>	Red Mahogany	16	17	240, 840	1110	Mature twin trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	1	Within road reserve	10.50	346.40
110	<i>Syncarpia glomulifera</i>	Turpentine	17	13	480	750	Mature single trunk tree with an upright forest form; a slight trunk lean to the north east and majority of canopy and branch development is towards the north east. No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	Within road reserve	5.80	105.70
111	<i>Syncarpia glomulifera</i>	Turpentine	8	9	380	450	Mature single trunk tree with a broad spreading form; a distinct trunk lean to the north east and majority of canopy and branch development is towards the north east. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	The tree is a misshapen specimen with a trunk wound at 1.4m on the north western side.	1	Within road reserve	4.60	66.50
112	<i>Eucalyptus resinifera</i>	Red Mahogany	17	15	720	1160	Mature multi trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development . Upper branches have been pruned to accommodate overhead wires.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	15%	The western trunks have a wound with associated decay at 2.5m. The main junction at 3m requires an aerial inspection to investigate a potential hollow..	2	Within road reserve	8.60	232.40
113	<i>Olea europaea subsp cuspidata</i>	African Olive	4	5	100, 130	210	Semi-mature twin trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	Within road reserve	2.00	12.60
114	<i>Eucalyptus capitellata</i>	Brown Stringybark	12	13	550	650	Mature twin trunk (at 1.7m) tree with a broad spreading form; a slight trunk lean to the north west and majority of canopy and branch development is towards the north west. upper branches have been pruned to accommodate overhead wires at 3m..	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	Decay present in branch stubs previously pruned.	1	Within road reserve	6.60	136.80
115	<i>Olea europaea subsp cuspidata</i>	African Olive	6	7	100, 100, 100, 70	260	Mature multi trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Pest Species - Exempt from Council's DCP	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	None evident	2	Within road reserve	2.20	15.20
116	<i>Eucalyptus nicholii</i>	Narrow-Leaf Peppermint	10	9	360	510	Mature twin trunk (at 1.7m) tree with an upright spreading form; a distinct trunk lean to the north west and majority of canopy and branch development is towards the north west. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	Some epicormic growth present on the lower trunk.	1	Within road reserve	4.30	58.10
117	<i>Eucalyptus nicholii</i>	Narrow-Leaf Peppermint	16	11	690	950	Mature single trunk tree with an upright forest form; a slight trunk lean to the north and majority of canopy and branch development is towards the north west. Lower limbs of the tree have been pruned to 8m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	15%	The upper canopy has reduced leaf size.	2	Within road reserve	8.30	216.40
118	<i>Eucalyptus nicholii</i>	Narrow-Leaf Peppermint	11	11	400, 640	920	Over mature twin trunk tree with an upright spreading form; a slight trunk lean to the north west and majority of canopy and branch development is towards the north west. Lower limbs of the tree have been pruned to 3m.	High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in moderate health and displays fair vigour.	Very Good	20%	The tree has a bark inclusion at 1.1m, Termite damage is evident in old branch stubs, decay is evident in the lower trunk and some epicormic growth is present.	4	Within road reserve	9.10	260.20
119	<i>Dendrocalamus giganteus</i>	Giant Bamboo	13	3	60, 70, 80, 90, 100, 70, 70	2000	Mature multi trunk tree with an upright clumping form; an upright trunk/s and balanced canopy and branch development . No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	<5%	None evident	1	Within road reserve	9.90	307.90





tree legend

trees to be retained

trees to be removed

This plan is based upon:

Plan of Detail and Levels Over Lots 3 A & 3B in DP164259, 4A & 4B in DP159498, 5A in DP158658 and Lot 2 in DP209106 Known as 60-62 Beaconsfield Street and 7-13 Queens Parade, Newport, Ref.No.50556 001DT, Dated 27/11/2018, (LTS Lockley, Gordon, NSW)

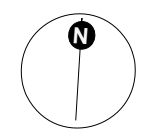
Development Application - Nov. 2019 (Nettleton Tribe)

- DA003 Site Plan/ Roof Plan E
- DA004 Beaconsfield St Ground Level Plan G
- DA005 Beaconsfield Level 1 Plan & Queens Parade Basement Level Plan H
- DA006 Beaconsfield Level 2 Plan & Queens Parade Ground Level Plan F
- DA007 Beaconsfield Roof Plan & Queens Parade Level 1 Plan E

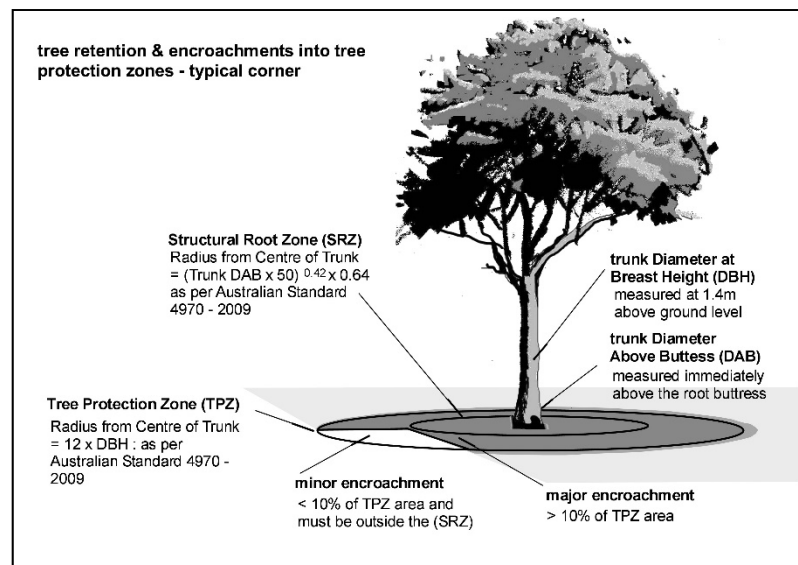
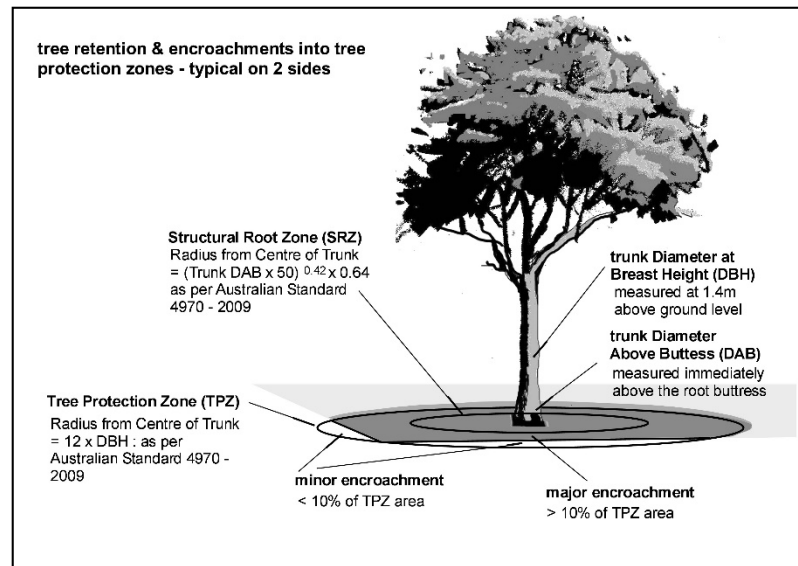
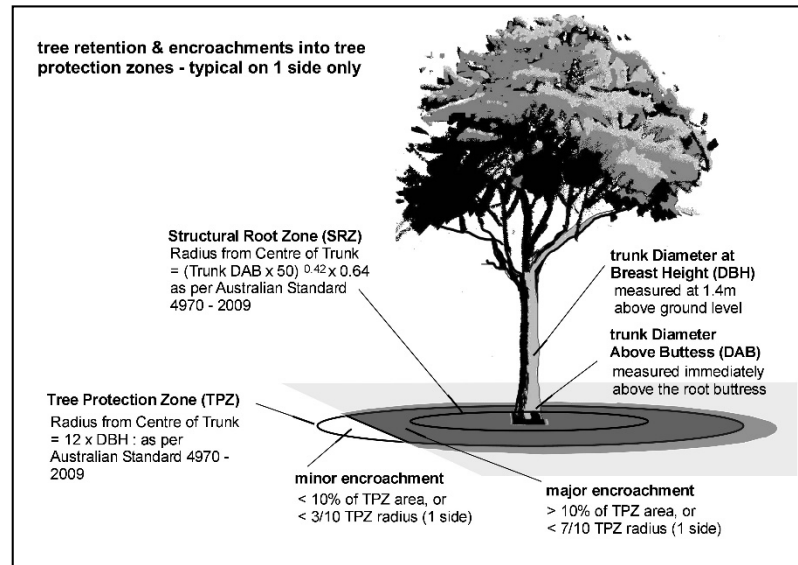
In addition to the trees identified on the survey 14 trees have been added to this plan. The additional trees are Tree No's 4, 7, 9, 12, 14, 20, 55, 67, 86, 87, 94, 104, 113 & 119 and their locations, whilst based upon surveyed features, are approximate.

Several trees, shown on the survey have been deleted on this plan as they no longer exist.

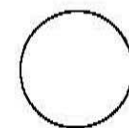
The tree canopy spreads on this plan have been adjusted from those on the survey to better reflect the actual canopy spreads however they remain as indicative graphics.



typical application of Australian Standard 4970-2009 - Protection of Trees on Development Sites

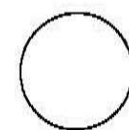


Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
1	<i>Liquidambar styraciflua</i>	810	1040	1	Pest Species - Exempt from Council's DCP	12.30	475.30	8.6	3.4	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
2	<i>Syncarpia glomulifera</i>	470	1230	1	High L/scape Sig.	10.90	373.30	7.6	3.6	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
3	<i>Cinnamomum camphora</i>	470	520	1	Pest Species - Exempt from Council's DCP	5.60	98.50	3.9	2.5	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
4	<i>Callistemon 'Hanna Ray'</i>	250	420	4	Low L/scape Sig.	4.30	58.10	3	2.3	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	Within road reserve
5	<i>Callistemon 'Hanna Ray'</i>	210	490	4	Low L/scape Sig.	5.60	98.50	3.9	2.5	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	Within road reserve
6	<i>Brachychiton acerifolius</i>	350	380	1	Pest Species - Exempt from Council's DCP	4.20	55.40	2.9	2.2	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
7	<i>Syzygium australe</i>	70	150	3	Low L/scape Sig.	2.00	12.60	1.4	1.5	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
8	<i>Jacaranda mimosifolia</i>	420	420	1	Pest Species - Exempt from Council's DCP	5.00	78.50	3.5	2.3	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
9	<i>Archontophoenix cunninghamii</i>	160	250	2	Pest Species - Exempt from Council's DCP	0.90	2.50	0.6	0.6	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
10	<i>Archontophoenix cunninghamii</i>	220	280	1	Pest Species - Exempt from Council's DCP	1.50	7.10	1	1.0	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
11	<i>Schefflera actinophylla</i>	230	570	2	Pest Species - Exempt from Council's DCP	5.30	88.20	3.7	2.6	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
12	<i>Cinnamomum camphora</i>	210	270	2	Pest Species - Exempt from Council's DCP	2.70	22.90	1.9	1.9	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
13	<i>Alphitonia excelsa</i>	300	490	2	Moderate L/scape Sig.	5.00	78.50	3.5	2.5	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site



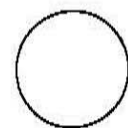
Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
14	<i>Strelitzia sp.</i>	160	700	2	Low L/scape Sig.	3.00	28.30	2.1	2.1	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
15	<i>Melaleuca quinquenervia</i>	270	1260	3	High L/scape Sig.	8.00	201.10	5.6	3.6	The proposed below ground car park is within 1.5m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
16	<i>Trachycarpus sp.</i>	230	270	1 / 5	Pest Species - Exempt from Council's DCP	0.70	1.50	0.5	1.5	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
17	<i>Syagrus romanzoffianum</i>	260	330	2	Pest Species - Exempt from Council's DCP	1.10	3.80	0.8	0.8	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
18	<i>Syagrus romanzoffianum</i>	270	510	2	Pest Species - Exempt from Council's DCP	2.40	18.10	1.7	1.7	The existing driveway is within 1.0m (west) of the palm. The proposed boundary wall and access way is within 1.0m (west) of the palm.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
19	<i>Syagrus romanzoffianum</i>	270	500	3	Pest Species - Exempt from Council's DCP	2.40	18.10	1.7	1.7	The existing garage is within 1.0m (west) of the palm. The proposed boundary wall and access way is within 1.0m (west) of the palm.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
20	<i>Syagrus romanzoffianum</i>	190	320	4	Pest Species - Exempt from Council's DCP	1.40	6.20	1	1.0	The existing garage is within 1.2m (west) of the palm. The proposed boundary wall and access way is within 1.2m (west) of the palm.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
21	<i>Syagrus romanzoffianum</i>	260	500	3	Pest Species - Exempt from Council's DCP	2.40	18.10	1.7	1.7	The existing garage is within 1.2m (west) of the palm. The proposed boundary wall and access way is within 1.2m (west) of the palm.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
22	<i>Washingtonia robusta</i>	290	370	1	Pest Species - Exempt from Council's DCP	3.50	38.50	2.4	2.2	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
23	<i>Dypsis lutescens</i>	50	340c	2	Pest Species - Exempt from Council's DCP					The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
24	<i>Syagrus romanzoffianum</i>	210	290	2	Pest Species - Exempt from Council's DCP	1.50	7.10	1	1.0	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
25	<i>Syagrus romanzoffianum</i>	210	270	2	Pest Species - Exempt from Council's DCP	1.50	7.10	1	1.0	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
26	<i>Syagrus romanzoffianum</i>	190	270	2	Pest Species - Exempt from Council's DCP	1.50	7.10	1	1.0	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
27	<i>Archontophoenix alexandrae</i>	100	360	2	Pest Species - Exempt from Council's DCP	0.70	1.50	0.5	0.5	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
28	<i>Archontophoenix cunninghamii</i>	100	180	2	Pest Species - Exempt from Council's DCP	0.40	0.50	0.3	0.3	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
29	<i>Archontophoenix cunninghamii</i>	140	200	2	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.4	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
30	<i>Phoenix canariensis</i>	810	870	1	Pest Species - Exempt from Council's DCP	1.80	10.20	1.3	1.3	The existing levels of the tree and the tree's Tree Protection Zone are required to be excavated to achieve design levels.	Not applicable	To be Removed	On site
31	<i>Phoenix canariensis</i>	790	940	1	Pest Species - Exempt from Council's DCP	3.00	28.30	2.1	2.1	The proposed driveway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
32	<i>Syagrus romanzoffianum</i>	230	320	2	Pest Species - Exempt from Council's DCP	1.70	9.10	1.2	1.2	The proposed driveway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
33	<i>Syncarpia glomulifera</i>	670	740	1	High L/scape Sig.	8.00	201.10	5.6	2.9	The proposed driveway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
34	<i>Washingtonia robusta</i>	280	410	1	Pest Species - Exempt from Council's DCP	1.10	3.80	0.8	0.8	The proposed driveway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
35	<i>Syagrus romanzoffianum</i>	310	410	2	Pest Species - Exempt from Council's DCP	2.10	13.90	1.5	1.5	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
36	<i>Ficus benjamina</i>	580	630	3	Pest Species - Exempt from Council's DCP	7.00	153.90	4.9	2.7	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
37	<i>Howea forsteriana</i>	150	210	1 / 5	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.4	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
38	<i>Archontophoenix cunninghamii</i>	180	240	2	Pest Species - Exempt from Council's DCP	0.80	2.00	0.6	0.6	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site



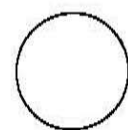
Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
39	<i>Archontophoenix cunninghamii</i>	160	220	2	Pest Species - Exempt from Council's DCP	0.60	1.10	0.4	0.4	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
40	<i>Eucalyptus nicholii</i>	410	460	3	High L/scape Sig.	4.90	75.40	3.4	2.4	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
41	<i>Syagrus romanzoffianum</i>	280	330	2	Pest Species - Exempt from Council's DCP	1.80	10.20	1.3	1.3	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
42	<i>Archontophoenix cunninghamii</i>	200	270	2	Pest Species - Exempt from Council's DCP	1.10	3.80	0.8	0.8	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
43	<i>Callistemon 'Hanna Ray'</i>	250	450	3	Low L/scape Sig.	4.10	52.80	2.9	2.4	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
44	<i>Radermachera sinica</i>	210	420	2	Low L/scape Sig.	3.00	28.30	2.1	2.3	The proposed carpark level bin storage area spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
45	<i>Ficus rubiginosa</i>	170	250	1	Low L/scape Sig.	2.00	12.60	1.4	1.8	The proposed boundary wall and access way require excavation within 2.0m (west) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
46	<i>Archontophoenix cunninghamii</i>	220	270	2	Pest Species - Exempt from Council's DCP	1.40	6.20	1	1.0	The proposed boundary wall and access way require excavation within 2.0m (west) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
51	<i>Acer negundo</i>	450	470	2	Pest Species - Exempt from Council's DCP	5.40	91.60	3.8	2.4	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
52	<i>Lophostemon confertus</i>	610	690	1	Moderate L/scape Sig.	7.30	167.40	5.1	2.8	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
53	<i>Archontophoenix cunninghamii</i>	140	210	2	Pest Species - Exempt from Council's DCP	0.70	1.50	0.5	0.5	The proposed basement level carpark is within 2.5m (east) of the palm.	No significant impact however, retention of the tree conflicts with the architectural plans.	To be Removed	On site
54	<i>Archontophoenix cunninghamii</i>	140	200	3	Pest Species - Exempt from Council's DCP	0.60	1.10	0.4	0.4	The proposed basement level carpark is within 1.8m (east) of the palm.	No significant impact however, retention of the tree conflicts with the architectural plans.	To be Removed	On site
55	<i>Phyllostachys spp</i>	100	2200	1	Moderate L/scape Sig.	10.90	373.30	7.6	7.6	The proposed basement level carpark and building footprint is within 1.8m (east) of the palm.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
56	<i>Syncarpia glomulifera</i>	1040	1270	1	High L/scape Sig.	13.60	581.10	9.5	3.7	The corner of the existing building footprint is within 2.6m (east) of the tree. The proposed basement level carpark and building footprint is within 2.4m (east) of the tree. The proposed basement carpark is within 5.8m (west) of the tree. The proposed development will remove 34% of the remaining area of the already reduced TPZ.	Additional excavation for the basement carpark level outside the current building footprints is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
57	<i>Syagrus romanzoffianum</i>	300	370	3	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.4	The existing building footprints are within 1.7m (east) and 3.1m (west) of the palm. The proposed basement level carpark and building footprint is within 1.7m (east) of the tree.	Construction activity is to occur in close proximity to the tree and substantial pruning and damage to the tree is likely to occur.	To be Removed	On site
58	<i>Syncarpia glomulifera</i>	1060	1690	1	High L/scape Sig.	14.20	633.50	9.9	4.1	A corner of the existing building footprints are within 4.1m (north east) and 2.5m (west) of the tree. The existing concrete block retaining wall is to be retained within 2.8m (south) of the tree. A corner of the proposed basement level carpark and building footprint is within 4.1m (north east) of the tree. The basement level carpark is within 4.9m (south) and 4.1m (west) of the tree. The proposed development will remove 17% of the remaining area of the already reduced TPZ.	No significant impact provided that the specific tree protection measures are carried out	Retained with Specific Tree Protection Measures	On site
59	<i>Syncarpia glomulifera</i>	460	1040	1	High L/scape Sig.	10.70	359.70	7.5	3.4	The existing building footprint is within 4.1m (north) of the tree. The existing concrete block retaining wall is to be retained within 2.1m (south) of the tree. The proposed basement carpark level is within 4.2m (north east) of the tree. The proposed basement level carpark is within 5.6m (south) of the tree. The proposed development will remove 23% of the remaining area of the already reduced TPZ.	Additional excavation for the basement carpark level outside the current building footprints is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
60	<i>Ficus benjamina</i>	650	630	1	Pest Species - Exempt from Council's DCP	7.80	191.10	5.5	2.7	The existing building footprint is within 5.5m (north) of the tree. The existing concrete block retaining wall is to be retained within 0.7m (south) of the tree. The proposed basement carpark level is within 2.3m (north east) of the tree with stairs within 3.4m (east) of the tree.	Additional excavation for the basement carpark level outside the current building footprints is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site



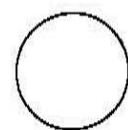
Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
61	<i>Ligustrum lucidum</i>	110	320	1	Pest Species - Exempt from Council's DCP	2.60	21.20	1.8	2.1	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
62	<i>Murraya paniculata</i>	100	300	2	Low L/scape Sig.	2.00	12.60	1.4	2	The proposed front boundary dwarf wall and landscape terrace requires excavation within approx.. 1.4m (south) of the trees.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	Within road reserve
63	<i>Archontophoenix cunninghamii</i>	120	220	2	Pest Species - Exempt from Council's DCP	0.50	0.80	0.4	0.4	The proposed front boundary dwarf wall and landscape terrace requires excavation within approx.. 0.5m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	Within road reserve
64	<i>Archontophoenix cunninghamii</i>	100	190	2	Pest Species - Exempt from Council's DCP	0.40	0.50	0.3	0.3	The proposed front boundary dwarf wall and landscape terrace requires excavation within approx.. 0.2m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	Within road reserve
65	<i>Archontophoenix cunninghamii</i>	70	110	3	Pest Species - Exempt from Council's DCP	0.30	0.30	0.2	0.2	The proposed front boundary dwarf wall spatially conflicts with the location of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
66	<i>Brachychiton acerifolius</i>	400	530	1	Pest Species - Exempt from Council's DCP	4.80	72.40	3.4	2.5	The design level of the landscape terrace requires existing levels to be lowered.	Not applicable	To be Removed	On site
67	<i>Cinnamomum camphora</i>	90	150	1	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.5	The proposed driveway entrance spatially conflicts with the location of the tree.	No significant impact	To be Removed	On site
68	<i>Cinnamomum camphora</i>	100	520	1	Pest Species - Exempt from Council's DCP	2.30	16.60	1.6	2.5	The proposed driveway entrance spatially conflicts with the location of the tree.	No significant impact	To be Removed	On site
69	<i>Archontophoenix cunninghamii</i>	160	290	2	Pest Species - Exempt from Council's DCP	1.00	3.10	0.7	0.7	The proposed carpark level and building footprint are within 0.1m (west) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
70	<i>Acer negundo</i>	630	660	4	Pest Species - Exempt from Council's DCP	7.60	181.50	5.3	2.8	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
71	<i>Archontophoenix cunninghamii</i>	190	290	2	Pest Species - Exempt from Council's DCP	1.50	7.10	1	1.0	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
72	<i>Archontophoenix cunninghamii</i>	250	360	2	Pest Species - Exempt from Council's DCP	1.80	10.20	1.3	1.3	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
73	<i>Archontophoenix cunninghamii</i>	230	310	2	Pest Species - Exempt from Council's DCP	2.80	24.60	2	2.0	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
74	<i>Persea americana</i>	110	130	2	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.4	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
75	<i>Callistemon salignus</i>	540	600	4	Moderate L/scape Sig.	6.50	132.70	4.6	2.7	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
76	<i>Ligustrum sinense</i>	230	310	4	Pest Species - Exempt from Council's DCP	2.80	24.60	2	2	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
77	<i>Livistona australis</i>	270	310	1 / 5	Low L/scape Sig.	1.10	3.80	0.8	0.8	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
78	<i>Ligustrum sinense</i>	150	550	4	Pest Species - Exempt from Council's DCP	4.50	63.60	3.2	2.6	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
79	<i>Ficus rubiginosa</i>	270	310	3	Low L/scape Sig.	3.20	32.20	2.2	2	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
80	<i>Archontophoenix cunninghamii</i>	100	440	2	Pest Species - Exempt from Council's DCP	2.20	15.20	1.5	1.5	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
81	<i>Archontophoenix cunninghamii</i>	120	620	2	Pest Species - Exempt from Council's DCP	2.20	15.20	1.5	1.5	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
82	<i>Lagerstroemia indica</i>	150	490	2	Pest Species - Exempt from Council's DCP	3.40	36.30	2.4	2.5	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
83	<i>Schefflera actinophylla</i>	130	260	3	Pest Species - Exempt from Council's DCP	2.10	13.90	1.5	1.5	The proposed carpark level and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
84	<i>Persea americana</i>	140	250	2	Pest Species - Exempt from Council's DCP	2.60	21.20	1.8	1.8	The proposed carpark level spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site

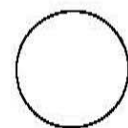


Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
85	<i>Syncarpia glomulifera</i>	640	740	1	High L/scape Sig.	7.70	186.30	5.4	2.9	The proposed basement carpark is within 5.6m (west) and 6.5m (north) of the tree. The existing sandstone retaining wall is to be retained within 0.6m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On site
86	<i>Prunus persica</i>	220	410	4	Pest Species - Exempt from Council's DCP	4.10	52.80	2.9	2.3	The proposed basement carpark is within 1.3m (west) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
87	<i>Persea americana</i>	160	200	2	Pest Species - Exempt from Council's DCP	2.10	13.90	1.5	1.7	The proposed basement carpark is within 2.0m (west) of the tree.	Construction activity is to occur in close proximity to the tree and substantial pruning and damage to the tree is likely to occur.	To be Removed	On site
88	<i>Jacaranda mimosifolia</i>	500	540	2	Pest Species - Exempt from Council's DCP	6.00	113.10	4.2	2.6	The private landscape terrace requires excavation within approx. 0.7m (west) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
89	<i>Citharexylum spinosum</i>	180	230	2	Pest Species - Exempt from Council's DCP	2.20	15.20	1.5	1.8	The design level of the landscape terrace requires existing levels to be lowered.	Not applicable	To be Removed	On site
90	<i>Cupressus sp.</i>	190	210	1	Pest Species - Exempt from Council's DCP	2.30	16.60	1.6	1.7	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
91	<i>Fraxinus griffithii</i>	1100	130	2	Pest Species - Exempt from Council's DCP	13.20	547.40	9.2	1.4	The proposed front boundary dwarf wall and landscape terrace spatially conflicts with the locations of the trees.	Not applicable	To be Removed	On site
92	<i>Prunus persica</i>	90	220	4	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.8	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
93	<i>Syncarpia glomulifera</i>	280	790	1	High L/scape Sig.	5.10	81.70	3.6	3	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
94	<i>Elaeodendron australe</i>	170	210	2	Low L/scape Sig.	2.00	12.60	1.4	1.7	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
95	<i>Syncarpia glomulifera</i>	280	440	1	Moderate L/scape Sig.	3.40	36.30	2.4	2.3	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
96	<i>Eucalyptus paniculata</i>	650	840	1	High L/scape Sig.	7.80	191.10	5.5	3.1	The proposed front boundary dwarf wall and landscape terrace require excavation within 5.3m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
97	<i>Eucalyptus paniculata</i>	700	1100	1	Very High L/scape Sig.	9.40	277.60	6.6	3.4	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
98	<i>Angophora floribunda</i>	600	820	2	Moderate L/scape Sig.	7.20	162.90	5	3	The proposed new driveway crossing is within 0.4m (west) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	Within road reserve
99	<i>Archontophoenix cunninghamii</i>	60	110	2	Pest Species - Exempt from Council's DCP	0.30	0.30	0.2	0.2	The proposed driveway is within 2.7m (east) of the tree.	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	Within road reserve
100	<i>Eucalyptus robusta</i>	580	920	1	High L/scape Sig.	7.20	162.90	5	3.2	The proposed front boundary dwarf wall and landscape terrace require excavation within 4.8m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
101	<i>Eucalyptus paniculata</i>	600	680	1	High L/scape Sig.	7.20	162.90	5	2.8	The proposed front boundary dwarf wall and landscape terrace require excavation within 6.4m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
102	<i>Eucalyptus punctata</i>	450	650	1	High L/scape Sig.	5.40	91.60	3.8	2.8	The proposed front boundary dwarf wall and landscape terrace require excavation within 6.1m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
103	<i>Eucalyptus punctata</i>	610	790	2	High L/scape Sig.	7.30	167.40	5.1	3	The proposed front boundary dwarf wall and landscape terrace require excavation within 5.6m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
104	<i>Eucalyptus resinifera</i>	500	650	1	High L/scape Sig.	6.00	113.10	4.2	2.8	The proposed driveway crossing is within 6.1m (east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
105	<i>Cinnamomum camphora</i>	210	260	1	Pest Species - Exempt from Council's DCP	2.50	19.60	1.8	1.9	No proposed works within the tree's Tree Protection Zone	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	Within road reserve
106	<i>Eucalyptus paniculata</i>	520	260	1	High L/scape Sig.	6.20	120.80	4.3	1.9	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
107	<i>Ficus rubiginosa</i>	150	320	1	Low L/scape Sig.	2.00	12.60	1.4	2.1	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
108	<i>Olea europaea subsp cuspidata</i>	90	280	1	Pest Species - Exempt from Council's DCP	2.40	18.10	1.7	1.9	No proposed works within the tree's Tree Protection Zone	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	Within road reserve

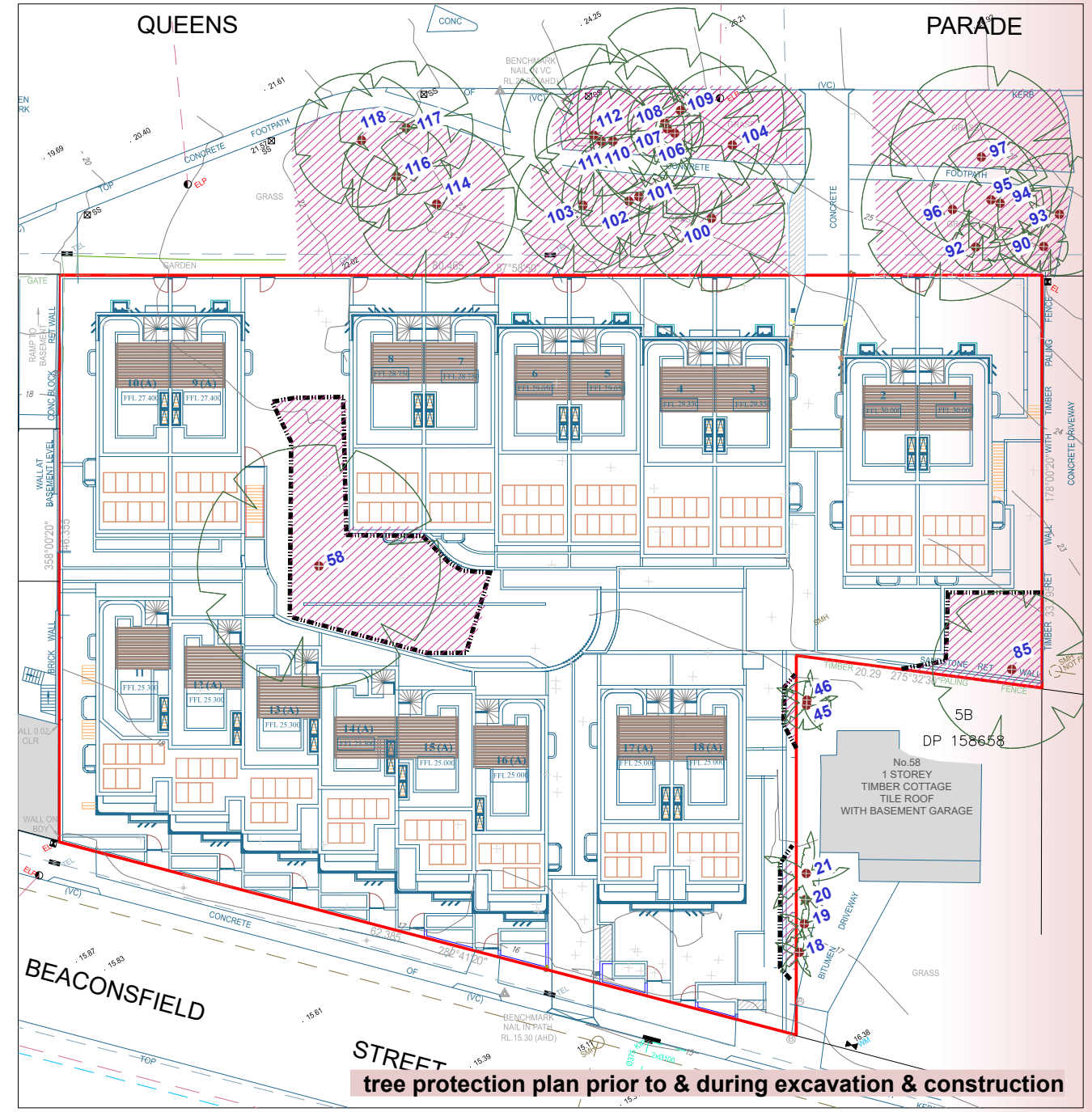


Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m ²)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
109	<i>Eucalyptus resinifera</i>	240	1110	1	Very High L/scape Sig.	10.50	346.40	7.4	3.5	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
110	<i>Syncarpia glomulifera</i>	480	750	1	High L/scape Sig.	5.80	105.70	4.1	2.9	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
111	<i>Syncarpia glomulifera</i>	380	450	1	Moderate L/scape Sig.	4.60	66.50	3.2	2.4	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
112	<i>Eucalyptus resinifera</i>	720	1160	2	Very High L/scape Sig.	8.60	232.40	6	3.5	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
113	<i>Olea europaea subsp cuspidata</i>	100	210	1	Pest Species - Exempt from Council's DCP	2.00	12.60	1.4	1.7	No proposed works within the tree's Tree Protection Zone	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	Within road reserve
114	<i>Eucalyptus capitellata</i>	550	650	1	High L/scape Sig.	6.60	136.80	4.6	2.8	The proposed front boundary dwarf wall and landscape terrace require excavation within 5.8m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
115	<i>Olea europaea subsp cuspidata</i>	100	260	2	Pest Species - Exempt from Council's DCP	2.20	15.20	1.5	1.9	The proposed front boundary dwarf wall and landscape terrace require excavation within 3.3m (south) of the tree.	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	Within road reserve
116	<i>Eucalyptus nicholii</i>	360	510	1	Moderate L/scape Sig.	4.30	58.10	3	2.5	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
117	<i>Eucalyptus nicholii</i>	690	950	2	High L/scape Sig.	8.30	216.40	5.8	3.2	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
118	<i>Eucalyptus nicholii</i>	400	920	4	High L/scape Sig.	9.10	260.20	6.4	3.2	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
119	<i>Dendrocalamus giganteus</i>	60	2000	1	Low L/scape Sig.	9.90	307.90	6.9	6.9	The proposed front boundary dwarf wall and landscape terrace require excavation within 1.1m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	Within road reserve



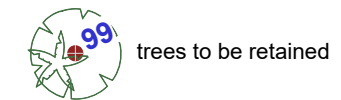


tree protection plan prior to & during demolition

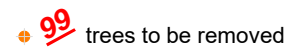


tree protection plan prior to & during excavation & construction

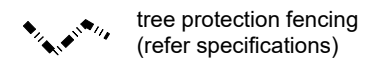
tree legend



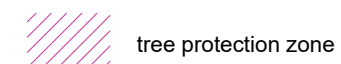
trees to be retained



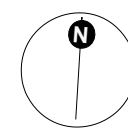
trees to be removed



tree protection fencing (refer specifications)



tree protection zone



tree removal

The removal of trees must be carried out in a manner that ensures no damage occurs to the roots, trunk, branches or foliage of trees identified as being retained.

tree protection fencing

Prior to demolition, tree protection fencing and tree protection webbing shall be erected as shown on the Tree Protection Plan Prior to & During Demolition (refer sheet 16) in accordance with the specifications below.

distance away from tree
as shown on tree protection plan, or as specified radius from trees

organic mulch
the area within the tree protection fencing shall be mulched to a depth of 50mm

drip irrigation
drip irrigation installed to maintain soil moisture

fencing material
chainmesh, weldmesh, plywood or paling fence

signage
tree protection signage fixed to fence

sediment control fencing
sediment control fencing required where building works are upslope or within 200mm of tree protection fencing

tree protection fencing - specifications

1.8m high

copyright Footprint Green P/L

Where structures are to be demolished within the tree protection zones it shall be done under the supervision of a project arborist.

Prior to excavation and construction, the Tree Protection Fencing shall be realigned in accordance with the Tree Protection Plan Prior to Excavation & Construction (refer sheet 16)

The building contractor shall ensure that at all times during site works no activities, stockpiles, storage or disposal of materials shall take place within Tree Protection Zones and all Protective Fences remain secure throughout the development work period. All access within the tree protection fencing for temporary and permanent works must be carried out under the instructions of an experienced and qualified project arborist.

tree protection signage

Tree Protection Signage is to be installed on fencing and shall be installed at maximum 15m intervals and at changes in the fencing direction (refer specification below).

signage size
min size 420 x 290mm in colour

fixing
signs shall be fixed at a height of 1500mm above ground and a number of signs shall be fixed on the tree protection fencing so that a sign is visible from all directions

format of signage
format based upon Australia Standard - Safety Signs for the Occupational Environment AS 1319 - 1994

tree protection signage - specifications

copyright Footprint Green P/L

scaffolding in tree protection zones

Where construction scaffolding is required and it is to be installed within the tree protection zones the Tree Protection Fencing can be realigned provided that the scaffolding is installed in accordance with the specification – Construction Scaffolding Within Tree Protection Zones (refer below).

tree protection fencing
refer separate specifications, fencing may be incorporated into scaffolding

scaffolding sole plate
sole plate is to be installed above geotextile without excavation

access boards
boards or plywood to be used over mulch in areas where access is required

organic mulch
50-100mm organic mulch over geotextile membrane

geotextile membrane
laid over existing levels no excavation is to occur

branch pruning
may be required & is to be kept to a minimum

tree protection zone

construction scaffolding within Tree Protection Zones - specifications

copyright Footprint Green P/L

Installation of services within tree protection zones

The installation of services such as drainage within the Tree Protection Zones must be carried out in accordance with the specification below.

hand tools
Include the use of shovels, crowbars. (mattocks & axes shall not be used).

retention of tree roots
Excavation is to be conducted under the supervision of the project arborist. Tree root >30mm dia. shall be exposed, left intact and not severed or damaged

inspection of tree roots
Where tree roots spatially conflict with the fall line of the service, depending upon the number and size of the tree roots, the project arborist shall either:
- cleanly prune the tree roots and treat them with root hormone compound, or
- provide instructions to leave the tree roots intact and backfill the excavation and investigate alternate locations

excavation for services using hand tools within Tree Protection Zones - specifications

copyright Footprint Green P/L

minor hard landscape works

Minor hard landscape such as paths, garden edging, low (<200mm) retaining walls can be carried out within tree protection zones provided that the works are carried out under the supervision of an experienced and qualified arborist in accordance with the specification below.

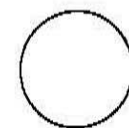
hand tools
Include the use of shovels, crowbars. (mattocks & axes shall not be used).

retention of tree roots
Excavation is to be conducted under the supervision of the project arborist. Tree root >30mm dia. shall be exposed, left intact and not severed or damaged

inspection of tree roots
Where exposed tree roots spatially conflict with construction design levels, depending upon the number and size of the tree roots, the project arborist shall either:
- cleanly prune the tree roots and treat them root hormone compound, or
- provide instructions to leave the tree roots intact and investigate alternate locations, construction methods or design.

minor works using hand tools within Tree Protection Zones - specifications

copyright Footprint Green P/L



soft landscape works

Soft landscaping works within the Tree Protection Zones should be carried out in accordance with the specification below.

within tree protection zones

soil decompaction or rotary hoes should not occur within tree protection zones.

existing soil levels must remain unchanged be incorporated into finished landscape design levels. exceptions can occur to finished design levels where new turf is to be laid or garden beds established provided that a free draining soil base is used and the new soil base is no greater than 50mm in depth.

in turf areas the landscape design should consider utilising an established mowing edge to prevent ongoing damage to trunks from whipper snippers

the landscape design should not encourage regular pedestrian thoroughfare access across tree protection zones unless permeable pavements are provided

the tree protection zone or areas surrounding the trunks of established trees should ideally be mulched to minimise damage to the basal area of the tree and root buttresses

soft landscape works within Tree Protection Zones - specifications



copyright Footprint Green P/L

branch pruning of Tree No.1 and potentially others

Should branch pruning be required it must be carried out in accordance with Australian Standard AS 4373-2007 Pruning of Amenity Trees and the work is to be undertaken by an experienced and qualified arborist.

