



arboricultural impact assessment - allengrove cres, nth ryde

prepared by
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Footprint Green Pty Ltd

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Background
This report has been prepared to assess the condition and significance of a number of trees on and adjacent the properties known as No. 1-9 Allengrove Crescent, 253-263 Lane Cove Road, 118A-112A Epping Road, North Ryde, and assess the potential impact of the proposed development on the identified trees. The assessments carried out in this report are based upon the Australian Standard 4970 - 2009, Protection of Trees on Development Sites. The terminology used in this report is also consistent with that used in the AS 4970-2009.

The report has been commissioned by EGC Custodian Services and site instructions have been provided by Candalepas Associates. Subsequent site inspections and field work were conducted on the 13th & 14th July 2010. For the purposes of this report the properties known as No. 1-9 Allengrove Crescent, 253-263 Lane Cove Road, 118A-112A Epping Road, North Ryde will be referred to as the site.

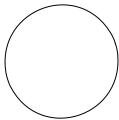
The site is located on the corner of Lane Cove Road & Epping Road at Ryde and consists of 15 residential allotments with various dwellings and detached garages and sheds. The landscape character of the site and the adjoining allotments comprises primarily of exotic species along with several large non indigenous native trees within the adjoining Council reserve. The proposed development involves demolition of the existing structures and construction of apartments with basement car parking.

There are 133 trees that have been considered in this report of which 110 trees are located on the site, 22 trees are located within the adjoining Council reserve and 1 tree is located within an adjoining residential allotment.

The definition of a tree in this report is consistent with City of Ryde Council's definition of a tree as per DCP Part 9.6 Tree Preservation (2008) being " A tree with a height greater than 5 metres and a trunk circumference of 450mm at 1.4 metres above ground level.."

Contents

sheet 1 -	this cover page
sheet 2 -	existing site - tree locations & reference numbers
sheet 3 -	arboricultural assessment - tree data sheet A
sheet 4 -	arboricultural assessment - tree data sheet B
sheet 5 -	arboricultural assessment - tree data sheet C
sheet 6 -	arboricultural assessment - tree data sheet D
sheet 7 -	arboricultural assessment - tree data sheet E
sheet 8 -	arboricultural assessment - tree data sheet F
sheet 9 -	proposed development - tree retention & removal
sheet 10 -	impact of proposed works on individual trees - sheet A
sheet 11 -	impact of proposed works on individual trees - sheet B
sheet 12 -	impact of proposed works on individual trees - sheet C
sheet 13 -	impact of proposed works on individual trees - sheet D
sheet 14 -	impact of proposed works on individual trees - sheet E
sheet 15 -	tree protection measures & report summary



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This plan is based upon:

Plan Showing Levels and Details Over No. 1-9 Allengrove Crescent, 253-263 Lane Cove Road, 118A-112A Epping Road, North Ryde, Ref No. 08/0016, Dated 12/02/08, (Watson Buchan, Caringbah, NSW)

In addition to the trees identified on the survey 24 trees have been added to this plan as they are of a size and dimension covered by City of Ryde Council's DCP Part 9.6 Tree Preservation (2008).

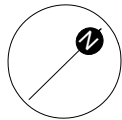
These additional trees are numbered 1, 2, 3, 7, 10, 20, 22, 26, 29, 30, 31, 32, 39, 40, 42, 48, 51, 61, 68, 69, 92, 98, 110 & 111 and there location, whilst based upon survey features, is approximate.

tree legend



999

trees considered in this report
& tree reference numbers



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**existing site - tree locations
& reference numbers**

tree significance

significance in the environment

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

- Threatened Species Conservation Act (NSW) 1995, and
- Noxious Weeds Act (NSW) 1993.

Threatened Species Conservation Act (NSW) 1995
The Threatened Species Conservation Act lists in its schedules a number of species, populations or ecological communities that are either endangered or vulnerable. The Act requires the preparation of a species impact statement 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 threatened ecological communities or populations.

Noxious Weeds Act (NSW) 1993
The Noxious Weeds Act provides the Minister with the powers to issue an Order declaring a plant noxious and these plants can be either agricultural or significant environmental pest species. The Minister's declaration may specify a plant to be noxious in part or all of the State and the Minister also may specify the level of noxious weed control required for that species.

Environmental Pest Species
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 not considered noxious but are recognised by Councils as pest species and are exempt from protection under Council's Tree Preservation Order.

significance in the landscape

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

- Significant in the Landscape - prominent from a broad landscape perspective;
- High Landscape Significance - prominent from a neighbourhood perspective;
- Moderate Landscape Significance - prominent from adjacent areas surrounding the site, and
- 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 effect 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	Remove, 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.
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development planning & tree protection zones

tree protection setbacks

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.

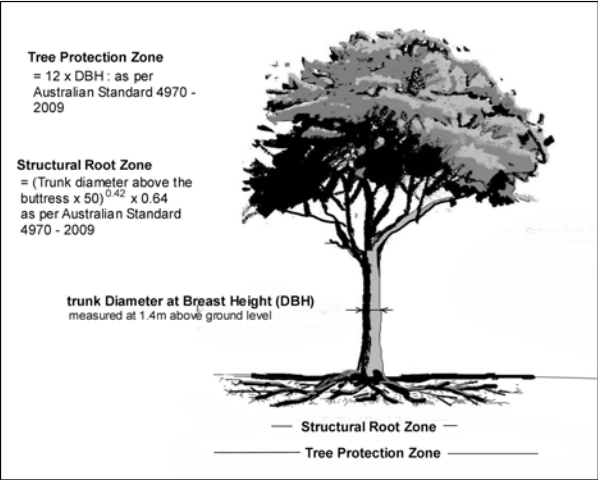


Figure 5.1 Typical diagram of a Tree Protection Zone & Structural Root Zone of a tree based upon AS 4970 – 2009.

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.

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 that 10% of the area (m²) of the Tree Protection Zone is removed;
- the area to be removed is outside the tree's 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 calculated Tree Protection Zone.

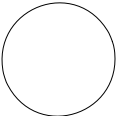
Major encroachments into Tree Protection Zones
Where the proposed development activity is greater than that described as a minor encroachment (refer above); the activity is considered to be a major encroachment into the Tree Protection Zone.

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.

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)
1	<i>Syagrus romanzoffianum</i>	Cocos Palm	5	8	300	340	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.	Env. 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	1.5	7
2	<i>Syagrus romanzoffianum</i>	Cocos Palm	9	4	300	340	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.	Env. 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	1.5	7
3	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	4	320	360	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.	Env. 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	1.8	10.1
4	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	3	200	240	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.	Env. 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	2	On site	1	3.1
5	<i>Syagrus romanzoffianum</i>	Cocos Palm	6	3	240	280	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.	Env. 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	2	On site	1.5	7
6	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	3	220	240	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.	Env. 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.	Good	5%	None evident	2	On site	1	3.1
7	<i>Olea europaea</i>	Common Olive	11	6	240	280	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.	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	2.9	26
8	<i>Liquidambar styraciflua</i>	Sweet Gum	17	11	2*550	1000	Mature twin trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. Appears that the central leaders have been pruned/removed at 8m.	env. 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.	Deciduous None	5%	Hollows present in several old pruning stubs	1	On site	9.3	274

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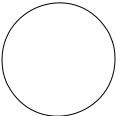
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- tree data sheet A**

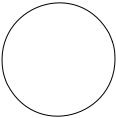
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
10	<i>Syagrus romanzoffianum</i>	Cocos Palm	6	3	200	220	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.	Env. 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	3.1
11	<i>Acer negundo</i>	Box Elder	6	6	400	500	Mature multi trunk (at 8m) tree with an upright spreading form; a distinct trunk lean to the south and majority of canopy and branch development is towards the south, east & west. lower limbs of the tree have been pruned to 2m.	Low L/scape Sig.	The tree stability is suspect and its branch attachment appears fair. The tree is considered to be in poor health and displays poor vigour.	Deciduous None	25%	The tree has extensive decay and cavities in the basal area and is suckering at several points.	Unstable	On site	4.8	72.5
12	<i>Liquidambar styraciflua</i>	Sweet Gum	18	10	580	750	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 to 4m.	Env. 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.	Deciduous None	<5%	None evident	1	On site	7	152
13	<i>Cupressus sp.</i>	Cypress	5	4	220	240	Mature single trunk tree with an upright rounded form; an upright trunk/s and balanced canopy and branch development. The tree has been heavily crown raised.	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	2.6	22
14	<i>Pittosporum undulatum</i>	Sweet Pittosporum	6	5	3*100	280	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	2.1	13.5
15	<i>Cupressus sp.</i>	Cypress	5	3	1*200, 1* 240	320	Mature twin trunk tree with an upright columnar form; an upright trunk/s and balanced canopy and branch development. lower limbs of the tree have been pruned to 1.8m.	Low 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%	The tree has dieback in the northern leader and appears to be declining in condition.	3	On site	3.7	44
16	<i>Calodendron capense</i>	Cape Chestnut	10	7	1*240, 1* 320	500	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.	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%	The tree has a wound on the western side of the basal area, some decay is present in old pruning stubs and the tree has foliar leaf damage.	3	On site	4.8	72.5
17	<i>Jacaranda mimosifolia</i>	Jacaranda	11	8	1*180, 1* 260	320	Mature twin trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the east. lower limbs of the tree have been pruned to 3m.	Moderate 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%	The tree appears to be suppressed by the adjacent vegetation.	2	On site	3.8	45.5
18	<i>Ligustrum lucidum</i>	Large Leaf Privet	8	5	1*80, 1* 260	320	Mature twin trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	Noxious Weed	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	3.3	33.5
19	<i>Unidentified species</i>	Unidentified	8	7	1*100, 2* 200, 1*180	350	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.	Moderate 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%	The tree has decay present at numerous branch stubs throughout the tree.	3	On site	4.2	55.5
20	<i>Pittosporum undulatum</i>	Sweet Pittosporum	8	4	200	240	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.	Moderate 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	5%	The tree appears to be suppressed by the adjacent vegetation	2	On site	2.4	18
21	<i>Tibouchina sp.</i>	-	6	4	1*100, 1* 200	280	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	5%	None evident	2	On site	2.7	22.5
22	<i>Cupressus sp.</i>	Cypress	6	4	260	280	Mature multi trunk (at 1.2m) tree with an upright pyramidal 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	3.1	30.5
23	<i>Jacaranda mimosifolia</i>	Jacaranda	9	7	2*200, 2* 240	400	Mature multi trunk tree with a broad spreading form; a slight trunk lean to the north east and balanced canopy and branch development. appears that the central leader has been pruned/removed at 3m.	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%	The tree has minor decay in old branch stubs.	2	On site	4.5	62.5
24	<i>Fraxinus sp.</i>	Ash	9	7	550	600	Mature multi trunk tree with a broad spreading 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 on the eastern side	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.	Deciduous None	15%	The lower leaders have been heavily pruned and decay is present on old branch stubs.	3	On site	6.6	137
25	<i>Liquidambar styraciflua</i>	Sweet Gum	23	15	700	800	Mature single trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. lower limbs of the tree have been pruned to 60 on the northern side.	Env. 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.	Deciduous None	15%	Ivy is growing on the tree to 20m.	1	On site	8.4	222
26	<i>Jacaranda mimosifolia</i>	Jacaranda	12	9	400	480	Mature multi trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. appears that the central leader has been pruned/removed at 3m many years ago.	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 adjacent allotment	4.8	72.5
27	<i>Cinnamomum camphora</i>	Camphor Laurel	14	12	1*200, 8* 300	900	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.	Env. 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.	Good	15%	None evident	2	On site	8	203.5
28	<i>Eucalyptus elata</i>	River Peppermint	15	6	280	320	Semi-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	On site	3.4	35.5
29	<i>Cupressus sp.</i>	Cypress	6	4	4* 100	300	Semi-mature single trunk tree with an upright pyramidal 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.	Very Good	<5%	None evident	2	On site	2.4	18
30	<i>Cupressus sp.</i>	Cypress	6	4	4* 100	300	Semi-mature single trunk tree with an upright pyramidal 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.	Very Good	<5%	None evident	2	On site	2.1	13.5

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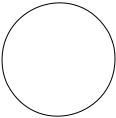
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
31	<i>Cupressus sp.</i>	Cypress	6	4	4* 100	300	Semi-mature single trunk tree with an upright pyramidal 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.	Very Good	<5%	None evident	2	On site	2.4	18
32	<i>Cupressus sp.</i>	Cypress	6	4	4* 100	300	Semi-mature single trunk tree with an upright pyramidal 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.	Very Good	<5%	None evident	2	On site	2.4	18
33	<i>Cedrus deodara</i>	Himalayan Cedar	11	12	500	560	Mature single trunk tree with an upright pyramidal 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	On site	6	113
34	<i>Schefflera actinophylla</i>	Umbrella Tree	6	2	180	200	Mature single trunk tree with an upright pyramidal 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 moderate health and displays fair vigour.	Good	5%	None evident	2	On site	2.2	14.5
35	<i>Schefflera arboricola</i>	Dwarf Umbrella Tree	8	3	2*200, 1* 100	220	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 appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Good	5%	None evident	2	On site	2.7	22.5
36	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	3	240	280	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.	Env. 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.	Good	5%	None evident	2	On site	1.5	7
37	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	2	200	240	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.	Env. 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.	Good	10%	None evident	2	On site	1	3.1
38	<i>Strelitzia sp.</i>	Bird of Paradise	8	3	20*150-200	1000	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.	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	4.6	67
39	<i>Syagrus romanzoffianum</i>	Cocos Palm	7	3	200	240	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.	Env. 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.	Good	10%	None evident	2	On site	1	3.1
40	<i>Syagrus romanzoffianum</i>	Cocos Palm	7	3	200	240	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.	Env. 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.	Good	10%	None evident	2	On site	1	3.1
41	<i>Callistemon viminalis</i>	Weeping Bottlebrush	10	5	2*240, 1* 200	300	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.	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	5%	The tree appears to be suppressed by the adjacent vegetation	2	On site	4.7	70
42	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	4	300	340	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.	Env. 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	1.8	10.1
43	<i>Cupressus sp.</i>	Cypress	11	7	2*300, 1* 200	460	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.	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	2	On site	5.6	99.5
44	<i>Melaleuca linariifolia</i>	Snow-in-Summer	10	5	3*300	500	Mature multi trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the west. 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 good health and displays good vigour.	Good	10%	The tree appears to be suppressed by the adjacent vegetation	2	On site	6.2	122
45	<i>Melaleuca linariifolia</i>	Snow-in-Summer	9	7	600	640	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.	Moderate 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 appears to be suppressed by the adjacent vegetation.	2	On site	7.2	163
46	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	8	3	120	200	Semi-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.	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	1	3.1
47	<i>Melaleuca linariifolia</i>	Snow-in-Summer	6	5	2*200, 3* 260	400	Mature multi trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the west. 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 good health and displays good vigour.	Good	15%	The tree appears to be suppressed by the adjacent vegetation.	2	On site	6.4	128
48	<i>Cupressus sp.</i>	Cypress	6	3	200	220	Semi-mature single trunk tree with an upright pyramidal form; a slight trunk lean to the south west 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 moderate health and displays fair vigour.	Fair	10%	None evident	2	On site	2.4	18
49	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	4	200	240	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.	Env. 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	3.1
50	<i>Syagrus romanzoffianum</i>	Cocos Palm	9	4	200	220	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.	Env. 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.	Good	5%	None evident	2	On site	1	3.1
51	<i>Schefflera actinophylla</i>	Umbrella Tree	5	4	200	240	Mature multi trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. lower limbs of the tree have been pruned to 2m and the leaders have been topped.	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	2.4	18
52	<i>Cinnamomum camphora</i>	Camphor Laurel	15	10	2*400	600	Mature multi trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the north, east & south. No evidence of significant branch pruning.	Env. 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 fair vigour.	Fair	10%	The leaders in the upper canopy exhibit signs of dieback.	1	On site	6.8	145
53	<i>Cinnamomum camphora</i>	Camphor Laurel	18	10	1*200, 1* 500	700	Mature twin trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the north, south & west. No evidence of significant branch pruning.	Env. 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 fair vigour.	Good	5%	The tree appears to be suppressed by the adjacent vegetation and the upper canopy shows signs of dieback.	1	On site	6.5	131
54	<i>Pinus radiata</i>	Monterey Pine	5	5	300	340	Mature single trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. appears that the central leader has been pruned/removed at 6m.	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.	Poor	15%	None evident	2	On site	3.6	40.5
55	<i>Ficus benjamina</i>	Weeping Fig	6	6	2*180, 2* 100, 2*60	300	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.	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 site	3.5	39.5
56	<i>Ligustrum lucidum</i>	Large Leaf Privet	3	3	7*60-100	250	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.	Noxious Weed	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	2.2	15
57	<i>Ficus benjamina</i>	Weeping Fig	5	2	3*20	160	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.	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	On site	2	12.5

(table continued next sheet)



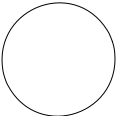
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
58	<i>Callistemon viminalis</i>	Weeping Bottlebrush	7	3	3*200	280	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 appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Fair	15%	The tree appears to be suppressed by the adjacent vegetation and has a sparse canopy.	2	On site	4.2	54.5
59	<i>Cupressus sp.</i>	Cypress	8	4	200	220	Semi-mature single trunk tree with an upright pyramidal 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.	2	On site	2.4	18
60	<i>Cupressus sp.</i>	Cypress	7	3	2*200	220	Semi-mature twin trunk tree with an upright pyramidal 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.	Fair	<5%	The tree appears to be suppressed by the adjacent vegetation.	2	On site	3.4	36
61	<i>Cupressus sp.</i>	Cypress	6	3	200	220	Semi-mature single trunk tree with an upright pyramidal 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	2.4	18
62	<i>Ficus benjamina</i>	Weeping Fig	6	4	1*200, 6*60	360	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.	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 site	2.8	24.5
63	<i>Eriobotrya japonica</i>	Loquat	5	4	180	200	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.	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%	Foliar damage evident.	1	On site	2.2	14.5
64	<i>Banksia serrata</i>	Old Man Banksia	5	4	200	240	Mature single 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	<5%	None evident	2	On site	2.4	18
65	<i>Macadamia integrifolia</i>	Macadamia	5	3	140	200	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.	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 site	2	12.5
66	<i>Cupressus sp.</i>	Cypress	4	3	12*100-190	300	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.	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	5%	None evident	3	On site	4	49
67	<i>Cupressus sp.</i>	Cypress	4	3	5*100	300	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.	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	5%	None evident	3	On site	2.7	22.5
68	<i>Cinnamomum camphora</i>	Camphor Laurel	7	4	200	220	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.	Env. 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	2.4	18
69	<i>Cinnamomum camphora</i>	Camphor Laurel	5	3	120	160	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.	Env. 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	2	12.5
70	<i>Grevillea robusta</i>	Silky Oak	16	8	280	340	Semi-mature single trunk tree with an upright pyramidal form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	Env. 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	3.4	35.5
71	<i>Pittosporum undulatum</i>	Sweet Pittosporum	6	5	260	280	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.	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	3.1	30.5
72	<i>Syagrus romanzoffianum</i>	Cocos Palm	14	5	300	350	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.	Env. 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	1.8	10.1
73	<i>Syagrus romanzoffianum</i>	Cocos Palm	13	6	280	300	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.	Env. 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	1.5	7
74	<i>Jacaranda mimosifolia</i>	Jacaranda	12	10	280	360	Mature twin trunk (at 2m) tree with a broad spreading form; a slight trunk lean to the north and balanced canopy and branch development. There is evidence of a basal leader has been pruned.	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 appears to be suppressed by the adjacent vegetation.	2	On site	3.4	35.5
75	<i>Syagrus romanzoffianum</i>	Cocos Palm	7	3	220	260	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.	Env. 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	3.1
76	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	4	250	280	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.	Env. 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	1.5	7
77	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	5	300	340	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.	Env. 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	1.8	10.1
78	<i>Eucalyptus sp.</i>	-	25	16	600	850	Mature single trunk tree with a tall forest form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	Significant 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	On site	7.2	163
79	<i>Eucalyptus elata</i>	River Peppermint	6	9	1*380, 1*220	420	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.	Low L/scape Sig.	The tree stability is suspect and its branch attachment appears poor. The tree is considered to be in poor health and displays poor vigour.	Good	20%	The tree consists of leaders growing from a termite infested stump.	Unstable	On site	1.5	7
80	<i>Eucalyptus sp.</i>	-	20	12	550	700	Dead twin trunk (at 5m) tree with an upright forest form; an upright trunk/s and balanced branch development. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree stability is suspect and its branch attachment appears poor. The tree is considered to be in dead and displays no signs of any vigour.	None	100%	The tree is dead.	Unstable	On site	6.6	137
81	<i>Pinus patula</i>	Mexican Pine	21	15	700	800	Mature single trunk tree with an upright spreading form; a distinct trunk lean to the north west and balanced canopy and branch development. No evidence of significant branch pruning.	Significant 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	On site	8.4	222
82	<i>Corymbia maculata</i>	Spotted Gum	25	15	600	700	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.	Significant 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%	Monstera is growing on the tree to 2m.	1	On site	7.2	163
83	<i>Cinnamomum camphora</i>	Camphor Laurel	16	16	600	700	Mature twin trunk (at 2m) tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	Env. 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	10%	None evident	2	On site	7.2	163
84	<i>Cupressus sp.</i>	Cypress	10	6	3*200	400	Mature multi trunk tree with an upright pyramidal 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 appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	10%	None evident	2	On site	4.2	54.5

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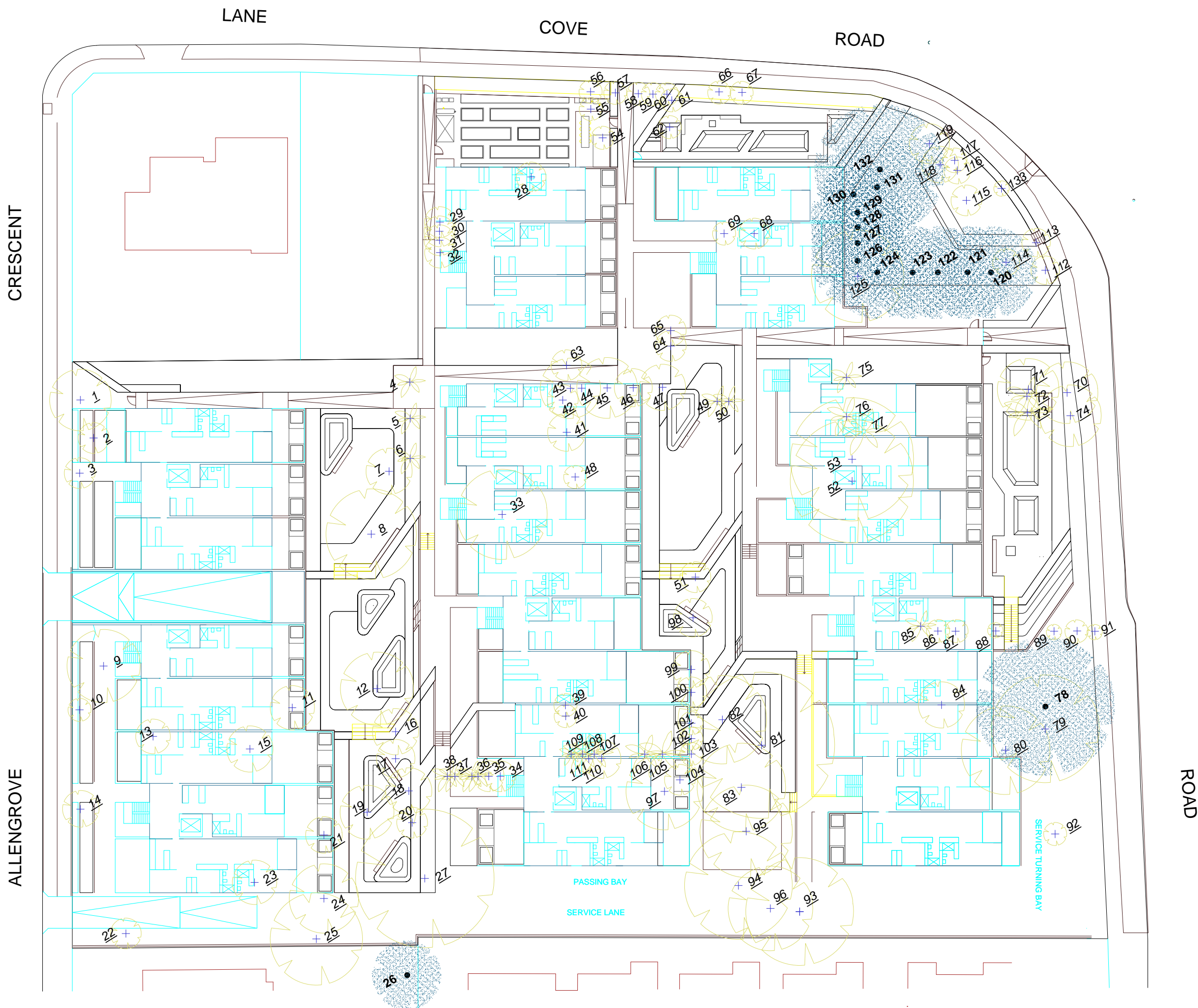


Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
85	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	8	4	200	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.	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%	None evident	2	On site	1	3.1
86	<i>Cupressus sp.</i>	Cypress	7	3	1*100, 1* 80	220	Mature multi trunk tree with an upright pyramidal form; an upright trunk/s and balanced canopy and branch development. lower limbs of the tree have been pruned to 1.5m on the eastern side.	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	2	12.5
87	<i>Cupressus sp.</i>	Cypress	6	3	5*100	260	Mature multi trunk tree with an upright pyramidal form; an upright trunk/s and balanced canopy and branch development. lower limbs of the tree have been pruned to 2m on the eastern side.	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	2.7	22.5
88	<i>Cupressus sp.</i>	Cypress	7	2	2*100	180	Mature twin trunk tree with an upright pyramidal 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.	Fair	5%	None evident	3	On site	2	12.5
89	<i>Cupressus sp.</i>	Cypress	9	2	3*200	300	Mature multi trunk tree with an upright pyramidal 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	4.2	54.5
90	<i>Cupressus sp.</i>	Cypress	8	3	3*200	300	Mature multi trunk tree with an upright pyramidal 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 moderate health and displays fair vigour.	Good	5%	None evident	3	On site	4.2	54.5
91	<i>Cupressus sp.</i>	Cypress	7	1	1*100, 2* 120	300	Mature multi trunk tree with an upright pyramidal 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 moderate health and displays fair vigour.	Fair	10%	Two major roots (2*200mm) have been severed recently on the eastern side of the tree for a new driveway.	Unstable	On site	2.4	17.5
92	<i>Tibouchina sp.</i>	-	5	3	1*100, 3* 30	160	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.	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.	Very Good	<5%	None evident	2	On site	2	12.5
93	<i>Angophora floribunda</i>	Rough-Barked Apple	15	10	500	600	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 moderate health and displays fair vigour.	Fair	20%	None evident	3	On site	6	113
94	<i>Cinnamomum camphora</i>	Camphor Laurel	10	8	3*300	500	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.	Env. 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	15%	None evident	2	On site	6.2	122
95	<i>Cedrus deodara</i>	Himalayan Cedar	14	11	550*2	600	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.	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	9.3	274
96	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	7	5	220	280	Mature single trunk tree with an upright pyramidal 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.	Very Good	<5%	None evident	2	On site	2.6	22
97	<i>Grevillea robusta</i>	Silky Oak	17	8	400	500	Mature single trunk tree with an upright pyramidal form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	Env. 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	4.8	72.5
98	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	5	5	3*180	280	Over 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.	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	20%	None evident	4	On site	3.7	44
99	<i>Jacaranda mimosifolia</i>	Jacaranda	10	5	2*200	300	Mature twin trunk tree with a tall spreading form; an upright trunk/s and balanced canopy and branch development. lower limbs of the tree have been poorly pruned to 4m.	Moderate 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.	Poor	10%	The tree has signs of decay at the base	3	On site	3.4	36
100	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	8	4	200	220	Over mature single 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 moderate health and displays fair vigour.	Fair	30%	None evident	4	On site	2.4	18
101	<i>Cupressocyparis leylandii</i>	Leyland Cypress	8	2	160	200	Semi-mature single trunk tree with an upright columnar 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%	None evident	2	On site	2	12.5
102	<i>Cupressocyparis leylandii</i>	Leyland Cypress	8	2	160	200	Semi-mature single trunk tree with an upright columnar 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%	None evident	2	On site	2	12.5
103	<i>Cupressocyparis leylandii</i>	Leyland Cypress	8	2	160	200	Semi-mature single trunk tree with an upright columnar 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%	None evident	2	On site	2	12.5
104	<i>Camellia sasanqua</i>	Camellia	6	5	5*120	240	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.	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.	Very Good	<5%	None evident	2	On site	3.2	33
105	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	6	300	380	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.	Env. 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	1.8	10.1
106	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	5	270	320	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.	Env. 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	1.5	7
107	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	5	260	340	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.	Env. 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	1.8	10.1
108	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	5	220	300	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.	Env. 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	1.5	7
107	<i>Syagrus romanzoffianum</i>	Cocos Palm	10	5	260	340	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.	Env. 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	1.8	10.1
108	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	5	220	300	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.	Env. 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	1.5	7
109	<i>Syagrus romanzoffianum</i>	Cocos Palm	6	3	200	230	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.	Env. 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	3.1
110	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	7	5	220	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.	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	2.6	22

(table continued next sheet)



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)
111	<i>Melaleuca linariifolia</i>	Snow-in-Summer	8	4	250	280	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.	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	3	On site	3	28.5
112	<i>Eucalyptus sp.</i>	-	4	3	1*80, 1* 200	2*100	Immature 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.	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 consists of suckers and epicormic growth.	1	In adjacent reserve	2.6	21
113	<i>Allocasuarina torulosa</i>	Forest Oak	4	4	3*80	160	Immature multi 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	5%	None evident	2	In adjacent reserve	2	12.5
114	<i>Callistemon viminalis</i>	Weeping Bottlebrush	5	4	2*200, 1* 100	200	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.	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	In adjacent reserve	3.6	40.5
115	<i>Eucalyptus haemastoma</i>	Scribbly Gum	5	4	1*200, 1* 100	220	Semi-mature twin 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.	Low 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	15%	The tree appears to be suppressed by the adjacent vegetation and has basal damage from ground level to 1.2m	Unstable	In adjacent reserve	2.7	22.5
116	<i>Callistemon viminalis</i>	Weeping Bottlebrush	5	5	1*200, 5* 100	240	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.	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	In adjacent reserve	3.4	36
117	<i>Allocasuarina torulosa</i>	Forest Oak	4	3	2*200, 1* 100	220	Semi-mature single trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development. appears that the central leader has been pruned/removed at 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.	Good	<5%	The tree appears to be suppressed by the adjacent vegetation.	3	In adjacent reserve	3.6	40.5
118	<i>Allocasuarina torulosa</i>	Forest Oak	7	3	1*100, 1* 200	220	Semi-mature twin 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	2	In adjacent reserve	2.7	22.5
119	<i>Allocasuarina torulosa</i>	Forest Oak	7	3	200	220	Semi-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.	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	In adjacent reserve	2.4	18
120	<i>Eucalyptus microcorys</i>	Tallow-wood	22	10	450	550	Semi-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. 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	In adjacent reserve	5.4	91.5
121	<i>Eucalyptus microcorys</i>	Tallow-wood	22	9	1*200, 1* 400	500	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%	None evident	1	In adjacent reserve	5.4	90.5
122	<i>Eucalyptus microcorys</i>	Tallow-wood	20	6	240	340	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%	The tree appears to be suppressed by the adjacent vegetation.	1	In adjacent reserve	2.9	26
123	<i>Eucalyptus microcorys</i>	Tallow-wood	20	7	400	480	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.	Fair	<5%	The tree appears to be suppressed by the adjacent vegetation.	1	In adjacent reserve	4.8	72.5
124	<i>Eucalyptus microcorys</i>	Tallow-wood	24	9	450	550	Mature single trunk tree with a tall 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	In adjacent reserve	5.4	91.5
125	<i>Eucalyptus microcorys</i>	Tallow-wood	24	9	450	550	Mature single trunk tree with a tall 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	In adjacent reserve	5.4	91.5
126	<i>Eucalyptus microcorys</i>	Tallow-wood	24	9	450	550	Mature single trunk tree with a tall 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	In adjacent reserve	5.4	91.5
127	<i>Eucalyptus microcorys</i>	Tallow-wood	22	8	360	400	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	In adjacent reserve	4.3	58.5
128	<i>Eucalyptus microcorys</i>	Tallow-wood	22	8	360	400	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	In adjacent reserve	4.3	58.5
129	<i>Eucalyptus microcorys</i>	Tallow-wood	12	4	220	300	Semi-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%	The tree appears to be suppressed by the adjacent vegetation.	1	In adjacent reserve	2.6	22
130	<i>Syncarpia glomulifera</i>	Turpentine	9	5	200	240	Semi-mature single trunk tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the north. 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	5%	The tree appears to be suppressed by the adjacent vegetation.	1	In adjacent reserve	2.4	18
131	<i>Eucalyptus microcorys</i>	Tallow-wood	20	8	380	440	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%	The tree appears to be suppressed by the adjacent vegetation.	1	In adjacent reserve	4.6	65.5
132	<i>Eucalyptus microcorys</i>	Forest Oak	25	12	650	700	Mature single trunk tree with a tall forest form; an upright trunk/s and majority of canopy and branch development is towards the north west. No evidence of significant branch pruning.	Significant 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	In adjacent reserve	7.8	191
133	<i>Acacia decurrens</i>	Black Wattle	3	2	500	500	Mature multi trunk tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development. The tree appears to have been previously removed to ground level.	Low L/scape Sig.	The tree appears stable and its branch attachment appears poor. The tree is considered to be in good health and displays good vigour.	Fair	<5%	The tree consists of suckers from a stump at ground level	Unstable	In adjacent reserve	1.5	7




This plan is based upon:

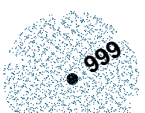
Plan Showing Levels and Details Over No. 1-9 Allengrove Crescent, 253-263 Lane Cove Road, 118A-112A Epping Road, North Ryde, Ref No. 08/0016, Dated 12/02/08, (Watson Buchan, Caringbah, NSW)

In addition to the trees identified on the survey 24 trees have been added to this plan as they are of a size and dimension covered by City of Ryde Council's DCP Part 9.6 Tree Preservation (2008).

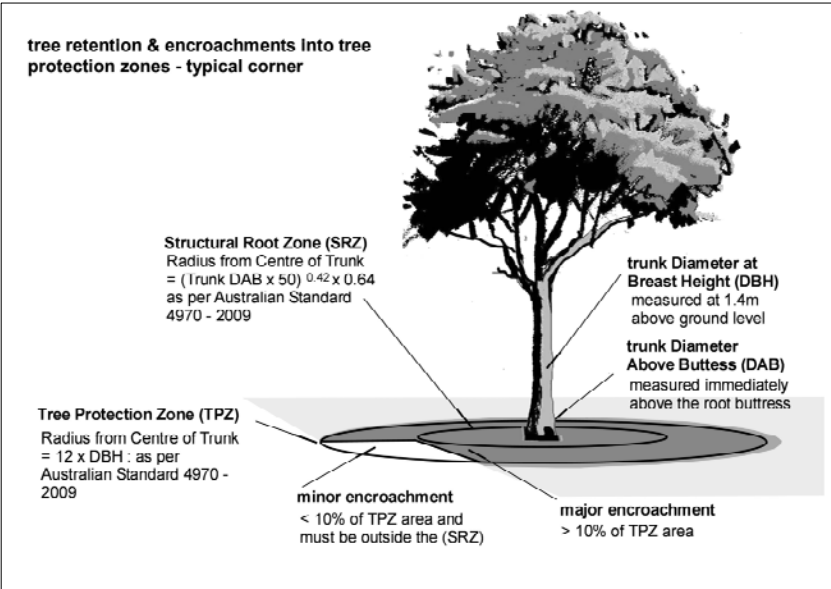
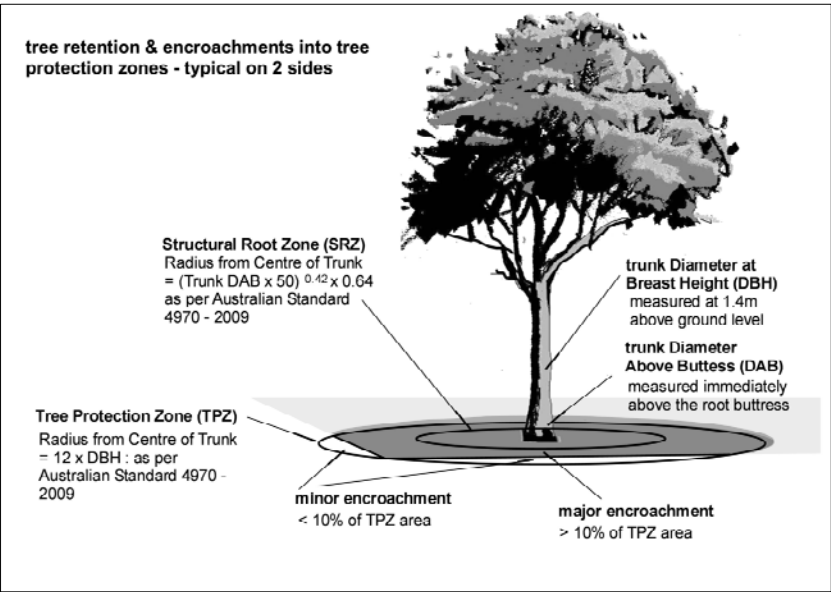
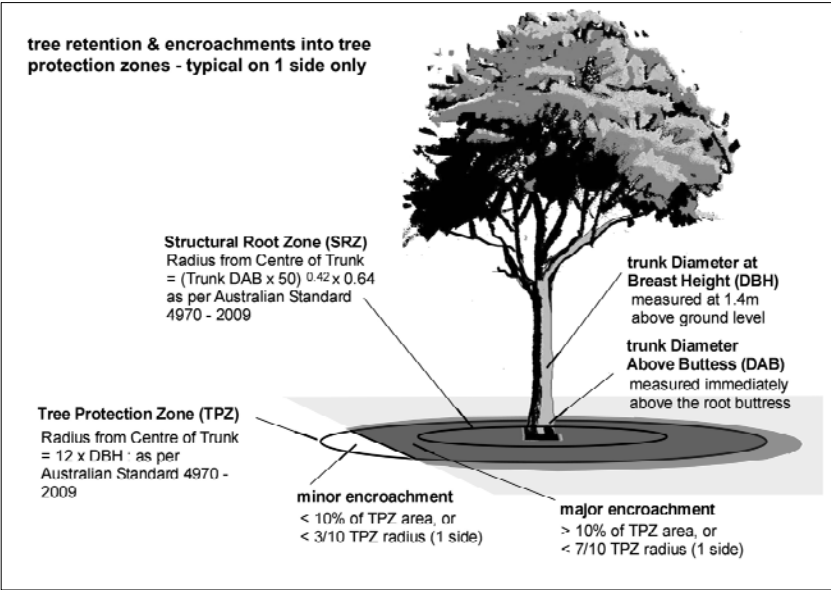
These additional trees are numbered 1, 2, 3, 7, 10, 20, 22, 26, 29, 30, 31, 32, 39, 40, 42, 48, 51, 61, 68, 69, 92, 98, 110 & 111 and there location, whilst based upon survey features, is approximate.

trees considered in this report & tree reference numbers

 trees to be removed

 trees to be retained

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



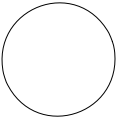
Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m)on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
1	<i>Syagrus romanzoffianum</i>	Cocos Palm	300	340	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed entrance path spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
2	<i>Syagrus romanzoffianum</i>	Cocos Palm	300	340	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed landscape wall spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
3	<i>Syagrus romanzoffianum</i>	Cocos Palm	320	360	2	Env. Pest Species - Exempt from Council's DCP	1.8	10.1	1.3	1	The proposed entrance path spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
4	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	240	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed path spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
5	<i>Syagrus romanzoffianum</i>	Cocos Palm	240	280	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
6	<i>Syagrus romanzoffianum</i>	Cocos Palm	220	240	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
7	<i>Olea europaea</i>	Common Olive	240	280	1	Moderate L/scape Sig.	2.9	26	2	1.9	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
8	<i>Liquidambar styraciflua</i>	Sweet Gum	2*550	1000	1	env. Pest Species - Exempt from Council's DCP	9.3	274	6.5	3.3	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
9	<i>Cedrus deodara</i>	Himalayan Cedar	600	680	1	Moderate L/scape Sig.	7.2	163	5	2.8	The proposed building footprint is within 5.9m (north east) of the tree and the proposed driveway ramp is within 5.6m (north west) of the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site
10	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	220	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed boundary wall is within 1.4m (north east) of the tree.	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	On site
11	<i>Acer negundo</i>	Box Elder	400	500	Unstable	Low L/scape Sig.	4.8	72.5	3.4	2.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
12	<i>Liquidambar styraciflua</i>	Sweet Gum	580	750	1	Env. Pest Species - Exempt from Council's DCP	7	152	4.9	2.9	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
13	<i>Cupressus sp.</i>	Cypress	220	240	2	Low L/scape Sig.	2.6	22	1.8	1.8	The proposed building footprint spatially conflicts with the location of the tree and the basement car park is within 1.7m (north east) of the tree.	Not applicable	To be Removed	On site
14	<i>Pittosporum undulatum</i>	Sweet Pittosporum	3*100	280	2	Low L/scape Sig.	2.1	13.5	1.5	1.9	The proposed boundary wall is within 1.4m (north east) of the tree and the proposed entrance path is within 1.6m (north west) of the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site
15	<i>Cupressus sp.</i>	Cypress	1*200, 1*240	320	3	Low L/scape Sig.	3.7	44	2.6	2.1	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
16	<i>Calodendron capense</i>	Cape Chestnut	1*240, 1*320	500	3	Moderate L/scape Sig.	4.8	72.5	3.4	2.5	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site

(table continued next sheet)

Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m)on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
17	<i>Jacaranda mimosifolia</i>	Jacaranda	1*180, 1* 260	320	2	Moderate L/scape Sig.	3.8	45.5	2.7	2.1	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
18	<i>Ligustrum lucidum</i>	Large Leaf Privet	1*80, 1* 260	320	2	Noxious Weed	3.3	33.5	2.3	2.1	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
19	<i>Unidentified species</i>	Unidentified	1*100, 2* 200, 1* 180	350	3	Moderate L/scape Sig.	4.2	55.5	2.9	2.1	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
20	<i>Pittosporum undulatum</i>	Sweet Pittosporum	200	240	2	Moderate L/scape Sig.	2.4	18	1.7	1.8	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
21	<i>Tibouchina sp.</i>	-	1*100, 1* 200	280	2	Low L/scape Sig.	2.7	22.5	1.9	1.9	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
22	<i>Cupressus sp.</i>	Cypress	260	280	2	Low L/scape Sig.	3.1	30.5	2.2	1.9	The proposed service driveway is within 1.4m (north west) of the tree	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site
23	<i>Jacaranda mimosifolia</i>	Jacaranda	2*200, 2* 240	400	2	Moderate L/scape Sig.	4.5	62.5	3.1	2.3	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
24	<i>Fraxinus sp.</i>	Ash	550	600	3	Moderate L/scape Sig.	6.6	137	4.6	2.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
25	<i>Liquidambar styraciflua</i>	Sweet Gum	700	800	1	Env. Pest Species - Exempt from Council's DCP	8.4	222	5.9	3	The proposed basement car park is within 4.0m (north 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
26	<i>Jacaranda mimosifolia</i>	Jacaranda	400	480	1	High L/scape Sig.	4.8	72.5	3.4	2.4	The proposed basement car park is within 9.0m (north west) of the tree.The proposed service driveway is within 4.9m (north west) of the tree	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
27	<i>Cinnamomum camphora</i>	Camphor Laurel	1*200, 8* 300	900	2	Env. Pest Species - Exempt from Council's DCP	8	203.5	5.6	3.2	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
28	<i>Eucalyptus elata</i>	River Peppermint	280	320	1	High L/scape Sig.	3.4	35.5	2.4	2.1	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
29	<i>Cupressus sp.</i>	Cypress	4* 100	300	2	Low L/scape Sig.	2.4	18	1.7	2	The proposed access ramp is within 0.6m (south west) of the tree and the surrounding external levels are to be lowered.	Not applicable	To be Removed	On site
30	<i>Cupressus sp.</i>	Cypress	4* 100	300	2	Low L/scape Sig.	2.1	13.5	1.5	2	The proposed access ramp is within 0.6m (south west) of the tree and the surrounding external levels are to be lowered.	Not applicable	To be Removed	On site

Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m)on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
31	<i>Cupressus sp.</i>	Cypress	4* 100	300	2	Low L/scape Sig.	2.4	18	1.7	2	The proposed access ramp is within 0.6m (south west) of the tree and the surrounding external levels are to be lowered.	Not applicable	To be Removed	On site
32	<i>Cupressus sp.</i>	Cypress	4* 100	300	2	Low L/scape Sig.	2.4	18	1.7	2	The proposed access ramp is within 0.6m (south west) of the tree and the surrounding external levels are to be lowered.	Not applicable	To be Removed	On site
33	<i>Cedrus deodara</i>	Himalayan Cedar	500	560	1	High L/scape Sig.	6	113	4.2	2.6	The proposed access ramp is within 0.6m (south west) of the tree and the surrounding external levels are to be lowered.	Not applicable	To be Removed	On site
34	<i>Schefflera actinophylla</i>	Umbrella Tree	180	200	2	Low L/scape Sig.	2.2	14.5	1.5	1.7	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
35	<i>Schefflera arboricola</i>	Dwarf Umbrella Tree	2*200, 1* 100	220	2	Low L/scape Sig.	2.7	22.5	1.9	1.8	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
36	<i>Syagrus romanzoffianum</i>	Cocos Palm	240	280	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
37	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	240	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
38	<i>Strelitzia sp.</i>	Bird of Paradise	20*150- 200	1000	1	Moderate L/scape Sig.	4.6	67	3.2	3.3	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
39	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	240	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
40	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	240	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
41	<i>Callistemon viminalis</i>	Weeping Bottlebrush	2*240, 1* 200	300	2	Moderate L/scape Sig.	4.7	70	3.3	2	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
42	<i>Syagrus romanzoffianum</i>	Cocos Palm	300	340	2	Env. Pest Species - Exempt from Council's DCP	1.8	10.1	1.3	1	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
43	<i>Cupressus sp.</i>	Cypress	2*300, 1* 200	460	2	Moderate L/scape Sig.	5.6	99.5	3.9	2.4	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
44	<i>Melaleuca linariifolia</i>	Snow-in-Summer	3*300	500	2	Moderate L/scape Sig.	6.2	122	4.4	2.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
45	<i>Melaleuca linariifolia</i>	Snow-in-Summer	600	640	2	Moderate L/scape Sig.	7.2	163	5	2.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site

(table continued next sheet)



prepared by
melanie howden

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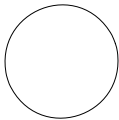
project
**arboricultural impact assessment
- allengrove cres, nth ryde**

drawing title
**development impact on individual
trees - sheet B**

Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m) on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
46	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	120	200	2	Low L/scape Sig.	1	3.1	0.7	0.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
47	<i>Melaleuca linariifolia</i>	Snow-in-Summer	2*200, 3* 260	400	2	Moderate L/scape Sig.	6.4	128	4.5	2.3	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
48	<i>Cupressus sp.</i>	Cypress	200	220	2	Low L/scape Sig.	2.4	18	1.7	1.8	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
49	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	240	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
50	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	220	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
51	<i>Schefflera actinophylla</i>	Umbrella Tree	200	240	2	Low L/scape Sig.	2.4	18	1.7	1.8	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
52	<i>Cinnamomum camphora</i>	Camphor Laurel	2*400	600	1	Env. Pest Species - Exempt from Council's DCP	6.8	145	4.8	2.7	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
53	<i>Cinnamomum camphora</i>	Camphor Laurel	1*200, 1* 500	700	1	Env. Pest Species - Exempt from Council's DCP	6.5	131	4.5	2.8	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
54	<i>Pinus radiata</i>	Monterey Pine	300	340	2	Low L/scape Sig.	3.6	40.5	2.5	2.1	The external levels are to be excavated around 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
55	<i>Ficus benjamina</i>	Weeping Fig	2*180, 2* 100, 2*60	300	1	Low L/scape Sig.	3.5	39.5	2.5	2	The external levels are to be excavated around 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
56	<i>Ligustrum lucidum</i>	Large Leaf Privet	7*60-100	250	1	Noxious Weed	2.2	15	1.5	1.8	The external levels are to be excavated around 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
57	<i>Ficus benjamina</i>	Weeping Fig	3*20	160	1	Low L/scape Sig.	2	12.5	1.4	1.5	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
58	<i>Callistemon viminalis</i>	Weeping Bottlebrush	3*200	280	2	Low L/scape Sig.	4.2	54.5	2.9	1.9	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
59	<i>Cupressus sp.</i>	Cypress	200	220	2	Low L/scape Sig.	2.4	18	1.7	1.8	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
60	<i>Cupressus sp.</i>	Cypress	2*200	220	2	Low L/scape Sig.	3.4	36	2.4	1.8	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
61	<i>Cupressus sp.</i>	Cypress	200	220	2	Low L/scape Sig.	2.4	18	1.7	1.8	Landscape levels require excavation and fill around the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site

Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m) on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
62	<i>Ficus benjamina</i>	Weeping Fig	1*200, 6* 60	360	1	Low L/scape Sig.	2.8	24.5	2	2.2	Landscape levels require excavation and fill around the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site
63	<i>Eriobotrya japonica</i>	Loquat	180	200	1	Low L/scape Sig.	2.2	14.5	1.5	1.7	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
64	<i>Banksia serrata</i>	Old Man Banksia	200	240	2	Low L/scape Sig.	2.4	18	1.7	1.8	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
65	<i>Macadamia integrifolia</i>	Macadamia	140	200	1	Low L/scape Sig.	2	12.5	1.4	1.7	The proposed access ramp spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
66	<i>Cupressus sp.</i>	Cypress	12*100- 190	300	3	Low L/scape Sig.	4	49	2.8	2	Landscape levels require excavation and fill around the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site
67	<i>Cupressus sp.</i>	Cypress	5*100	300	3	Low L/scape Sig.	2.7	22.5	1.9	2	Landscape levels require excavation and fill around the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	On site
68	<i>Cinnamomum camphora</i>	Camphor Laurel	200	220	1	Env. Pest Species - Exempt from Council's DCP	2.4	18	1.7	1.8	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
69	<i>Cinnamomum camphora</i>	Camphor Laurel	120	160	1	Env. Pest Species - Exempt from Council's DCP	2	12.5	1.4	1.5	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
70	<i>Grevillea robusta</i>	Silky Oak	280	340	1	Env. Pest Species - Exempt from Council's DCP	3.4	35.5	2.4	2.1	Landscape levels require excavation around 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
71	<i>Pittosporum undulatum</i>	Sweet Pittosporum	260	280	2	Low L/scape Sig.	3.1	30.5	2.2	1.9	Landscape levels require excavation around 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
72	<i>Syagrus romanzoffianum</i>	Cocos Palm	300	350	2	Env. Pest Species - Exempt from Council's DCP	1.8	10.1	1.3	1	Landscape levels require excavation around 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
73	<i>Syagrus romanzoffianum</i>	Cocos Palm	280	300	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	Landscape levels require excavation around 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
74	<i>Jacaranda mimosifolia</i>	Jacaranda	280	360	2	Moderate L/scape Sig.	3.4	35.5	2.4	2.2	Landscape levels require excavation around 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

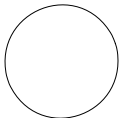
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Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m)on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
75	<i>Syagrus romanzoffianum</i>	Cocos Palm	220	260	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
76	<i>Syagrus romanzoffianum</i>	Cocos Palm	250	280	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
77	<i>Syagrus romanzoffianum</i>	Cocos Palm	300	340	2	Env. Pest Species - Exempt from Council's DCP	1.8	10.1	1.3	1	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
78	<i>Eucalyptus sp.</i>	-	600	850	1	Significant L/scape Sig.	7.2	163	5	3.1	The proposed building footprint is within 6.7m (south west) of the tree and landscape retaining wall is within 7.5m (west) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On site
79	<i>Eucalyptus elata</i>	River Peppermint	1*380, 1* 220	420	Unstable	Low L/scape Sig.	1.5	7	1	0.7	The proposed building footprint is within 4.8m (east) of the tree.	No significant impact however, the tree is considered to be unstable.	To be Removed	On site
80	<i>Eucalyptus sp.</i>	-	550	700	Unstable	Moderate L/scape Sig.	6.6	137	4.6	2.8	The proposed building footprint is within 0.7m (southeast) and 1.4m (south 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
81	<i>Pinus patula</i>	Mexican Yellow Pine	700	800	1	Significant L/scape Sig.	8.4	222	5.9	3	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
82	<i>Corymbia maculata</i>	Spotted Gum	600	700	1	Significant L/scape Sig.	7.2	163	5	2.8	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
83	<i>Cinnamomum camphora</i>	Camphor Laurel	600	700	2	Env. Pest Species - Exempt from Council's DCP	7.2	163	5	2.8	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
84	<i>Cupressus sp.</i>	Cypress	3*200	400	2	Moderate L/scape Sig.	4.2	54.5	2.9	2.3	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
85	<i>Archontophoenix cunninghamii</i>	Bangalow Palm	200	220	2	Moderate L/scape Sig.	1	3.1	0.7	0.5	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
86	<i>Cupressus sp.</i>	Cypress	1*100, 1* 80	220	2	Low L/scape Sig.	2	12.5	1.4	1.8	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
87	<i>Cupressus sp.</i>	Cypress	5*100	260	2	Low L/scape Sig.	2.7	22.5	1.9	1.9	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
88	<i>Cupressus sp.</i>	Cypress	2*100	180	3	Low L/scape Sig.	2	12.5	1.4	1.6	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
89	<i>Cupressus sp.</i>	Cypress	3*200	300	2	Low L/scape Sig.	4.2	54.5	2.9	2	The proposed retaining wall 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
90	<i>Cupressus sp.</i>	Cypress	3*200	300	3	Low L/scape Sig.	4.2	54.5	2.9	2	The proposed boundary wall spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
91	<i>Cupressus sp.</i>	Cypress	1*100, 2* 120	300	Unstable	Low L/scape Sig.	2.4	17.5	1.7	2	The proposed footpath spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site

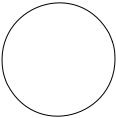
Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m)on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
92	<i>Tibouchina sp.</i>	-	1*100, 3* 30	160	2	Low L/scape Sig.	2	12.5	1.4	1.5	The proposed service vehicle turning bay spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
93	<i>Angophora floribunda</i>	Rough-Barked Apple	500	600	3	High L/scape Sig.	6	113	4.2	2.7	The proposed basement car park is within 0.6m (north 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
94	<i>Cinnamomum camphora</i>	Camphor Laurel	3*300	500	2	Env. Pest Species - Exempt from Council's DCP	6.2	122	4.4	2.5	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
95	<i>Cedrus deodara</i>	Himalayan Cedar	550*2	600	1	High L/scape Sig.	9.3	274	6.5	2.7	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
96	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	220	280	2	Low L/scape Sig.	2.6	22	1.8	1.9	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
97	<i>Grevillea robusta</i>	Silky Oak	400	500	1	Env. Pest Species - Exempt from Council's DCP	4.8	72.5	3.4	2.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
98	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	3*180	280	4	Low L/scape Sig.	3.7	44	2.6	1.9	The proposed basement car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
99	<i>Jacaranda mimosifolia</i>	Jacaranda	2*200	300	3	Moderate L/scape Sig.	3.4	36	2.4	2	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
100	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	200	220	4	Low L/scape Sig.	2.4	18	1.7	1.8	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
101	<i>Cupressocyparis leylandii</i>	Leyland Cypress	160	200	2	Moderate L/scape Sig.	2	12.5	1.4	1.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
102	<i>Cupressocyparis leylandii</i>	Leyland Cypress	160	200	2	Moderate L/scape Sig.	2	12.5	1.4	1.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
103	<i>Cupressocyparis leylandii</i>	Leyland Cypress	160	200	2	Moderate L/scape Sig.	2	12.5	1.4	1.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
104	<i>Camellia sasanqua</i>	Camellia	5*120	240	2	Low L/scape Sig.	3.2	33	2.3	1.8	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
105	<i>Syagrus romanzoffianum</i>	Cocos Palm	300	380	2	Env. Pest Species - Exempt from Council's DCP	1.8	10.1	1.3	1	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
106	<i>Syagrus romanzoffianum</i>	Cocos Palm	270	320	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site

(table continued next sheet)



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107	<i>Syagrus romanzoffianum</i>	Cocos Palm	260	340	2	Env. Pest Species - Exempt from Council's DCP	1.8	10.1	1.3	1	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
108	<i>Syagrus romanzoffianum</i>	Cocos Palm	220	300	2	Env. Pest Species - Exempt from Council's DCP	1.5	7	1	0.7	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
109	<i>Syagrus romanzoffianum</i>	Cocos Palm	200	230	2	Env. Pest Species - Exempt from Council's DCP	1	3.1	0.7	0.5	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
110	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	220	260	3	Low L/scape Sig.	2.6	22	1.8	1.9	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
111	<i>Melaleuca linariifolia</i>	Snow-in-Summer	250	280	3	Moderate L/scape Sig.	3	28.5	2.1	1.9	The proposed basement car park and building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
112	<i>Eucalyptus</i> sp.	-	1*80, 1*200	2*100	1	Low L/scape Sig.	2.6	21	1.8	1.7	The proposed landscape retaining wall spatially conflicts with the location of the tree.	Not applicable	To be Removed	In adjacent reserve
113	<i>Allocasuarina torulosa</i>	Forest Oak	3*80	160	2	Low L/scape Sig.	2	12.5	1.4	1.5	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	In adjacent reserve
114	<i>Callistemon viminalis</i>	Weeping Bottlebrush	2*200, 1*100	200	2	Low L/scape Sig.	3.6	40.5	2.5	1.7	The proposed pathway is within 1.9m (north west) of the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	In adjacent reserve
115	<i>Eucalyptus haemastoma</i>	Scribbly Gum	1*200, 1*100	220	Unstable	Low L/scape Sig.	2.7	22.5	1.9	1.8	The proposed pathway is within 2.4m (south) of the tree and the proposed retaining wall is within 4.4m (north) of the tree.	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	In adjacent reserve
116	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1*200, 5*100	240	2	Low L/scape Sig.	3.4	36	2.4	1.8	The proposed pathway is within 3.1m (south) of the tree and the proposed retaining wall is within 2.5m (north) of the tree.	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	In adjacent reserve
117	<i>Allocasuarina torulosa</i>	Forest Oak	2*200, 1*100	220	3	Low L/scape Sig.	3.6	40.5	2.5	1.8	The proposed pathway is within 1.9m (west) of the tree and the proposed retaining wall is within 1.8m (north) 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	In adjacent reserve
118	<i>Allocasuarina torulosa</i>	Forest Oak	1*100, 1*200	220	2	Low L/scape Sig.	2.7	22.5	1.9	1.8	The proposed pathway is within 0.7m (west) of the tree and the proposed retaining wall is within 1.5m (south) of the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	In adjacent reserve
119	<i>Allocasuarina torulosa</i>	Forest Oak	200	220	2	Low L/scape Sig.	2.4	18	1.7	1.8	The proposed pathway is within 0.2m (east) of the tree.	Changes to soil levels are likely to involve fill and or excavation affecting a substantial portion of the tree's root system.	To be Removed	In adjacent reserve

Tree No	Genus Species	Common Name	DBH (mm)	DAB (mm)	SULE	Env./ Landscape Significance	Tree Protection Zone (TPZ), (m radius)	TPZ Area (m2)	90% of TPZ area as Radius (m) on 1 side only	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
120	<i>Eucalyptus microcorys</i>	Tallow-wood	450	550	1	High L/scape Sig.	5.4	91.5	3.8	2.6	The proposed pathway is within 3.3m (north west) of the tree and the proposed retaining wall is within 5.9m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
121	<i>Eucalyptus microcorys</i>	Tallow-wood	1*200, 1*400	500	1	High L/scape Sig.	5.4	90.5	3.8	2.5	The proposed pathway is within 3.5m (north west) of the tree and the proposed retaining wall is within 7.1m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
122	<i>Eucalyptus microcorys</i>	Tallow-wood	240	340	1	High L/scape Sig.	2.9	26	2	2.1	The proposed pathway is within 3.9m (north west) of the tree and the proposed retaining wall is within 7.1m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
123	<i>Eucalyptus microcorys</i>	Tallow-wood	400	480	1	High L/scape Sig.	4.8	72.5	3.4	2.4	The proposed pathway is within 6.2m (north west) of the tree and the proposed retaining wall is within 6.9m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
124	<i>Eucalyptus microcorys</i>	Tallow-wood	450	550	1	High L/scape Sig.	5.4	91.5	3.8	2.6	The proposed courtyard is within 4.2m (south west) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
125	<i>Eucalyptus microcorys</i>	Tallow-wood	450	550	1	High L/scape Sig.	5.4	91.5	3.8	2.6	The proposed courtyard is within 1.8m (south west) of the tree and the proposed building footprint is within 3.0m (south east) 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	In adjacent reserve
126	<i>Eucalyptus microcorys</i>	Tallow-wood	450	550	1	High L/scape Sig.	5.4	91.5	3.8	2.6	The proposed courtyard is within 1.8m (south west) of the tree and the proposed building footprint is within 4.7m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with Specific Tree Protection Measures	In adjacent reserve
127	<i>Eucalyptus microcorys</i>	Tallow-wood	360	400	1	High L/scape Sig.	4.3	58.5	3	2.3	The proposed courtyard is within 1.7m (south west) of the tree and the proposed building footprint is within 4.7m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with Specific Tree Protection Measures	In adjacent reserve
128	<i>Eucalyptus microcorys</i>	Tallow-wood	360	400	1	High L/scape Sig.	4.3	58.5	3	2.3	The proposed courtyard is within 1.6m (south west) of the tree and the proposed building footprint is within 4.5m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with Specific Tree Protection Measures	In adjacent reserve
129	<i>Eucalyptus microcorys</i>	Tallow-wood	220	300	1	High L/scape Sig.	2.6	22	1.8	2	The proposed courtyard is within 1.6m (south west) of the tree and the proposed building footprint is within 4.7m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with Specific Tree Protection Measures	In adjacent reserve
130	<i>Syncarpia glomulifera</i>	Turpentine	200	240	1	Moderate L/scape Sig.	2.4	18	1.7	1.8	The proposed courtyard is within 1.1m (south west) of the tree and the proposed building footprint is within 5.6m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with Specific Tree Protection Measures	In adjacent reserve
131	<i>Eucalyptus microcorys</i>	Tallow-wood	380	440	1	High L/scape Sig.	4.6	65.5	3.2	2.3	The proposed courtyard wall is within 4.1m (south west) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
132	<i>Eucalyptus microcorys</i>	Tallow-wood	650	700	1	Significant L/scape Sig.	7.8	191	5.5	2.8	The proposed external landscape wall is within 4.0m (west) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	In adjacent reserve
133	<i>Acacia decurrens</i>	Black Wattle	500	500	Unstable	Low L/scape Sig.	1.5	7	1	0.7	The proposed landscape retaining wall spatially conflicts with the location of the tree.	Not applicable	To be Removed	In adjacent reserve



prepared by
melanie howden

scale at A3
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project
arboricultural impact assessment
- allengrove cres, nth ryde

drawing title
development impact on individual
trees - sheet E

specific & designed tree protection measures

Proposed courtyard paving & walls in the vicinity of Tree No's 126, 127, 128, 129 & 130

Demolition of the existing garage and removal of the concrete driveway and slab is to occur within the root zones of Tree No's 126, 127, 128, 129 & 130. To maintain their stability and to minimise the impact on the trees the concrete slabs are to be removed with care ensuring no damage occurs to tree roots. Once the garage and concrete slabs are removed Tree Protection Fencing must be installed at a minimum of:

- 4m radius from Tree No.126;
- 3m radius from Tree No's.127 & 128; and
- 2m radius from Tree No's 129 & 130.

The proposed courtyards and walls are within the tree protection zones of Tree No's 126, 127, 128, 129 & 130. Traditional trench footings for the walls are likely to involve the severance of significant tree roots. To minimise disturbance to the root zones of the trees, the external landscape screening walls must be constructed on isolated piers supporting above ground beams within:

- 4m radius from Tree No.126;
- 3m radius from Tree No's.127 & 128; and
- 2m radius from Tree No's 129 & 130.

Paving within the courtyards should be installed on a free draining bed apart from minor levelling and no excavation is to occur within the tree protection zones.

general tree protection measures during construction

Prior to demolition, earthworks or construction, the removal of the identified trees should be undertaken with particular attention given to ensure that no damage occurs to the canopy foliage and branch structure of the trees to be retained.

Prior to demolition, earthworks or construction, secure protective fencing is to be erected around individual trees or groups of trees identified as being retained and should be located no closer than the Tree Protection Zone of each tree. Where existing buildings or approved footprints encroach into Tree Protection Zone, protective fencing must be aligned no further than 0.5m away from the structure to be demolished or constructed.

The purpose of the fencing is to protect the tree roots and trunk and branches and minimise detrimental impacts on the trees during demolition and construction. Fencing shall be 1.8m high chain mesh material securely fixed to steel supporting posts with top and bottom strainer top or steel pipe rails.

The building contractor shall ensure that at all times during site works no activities, stock piles, storage or disposal of materials shall take place within the fenced off areas and that all Protective Fences remain secure throughout the development work period.

Construction scaffolding can be erected within the tree protection fencing provided that the weight distribution points are spread over a minimum of 2m² and these points are over existing levels to avoid soil compaction.

Trees should be inspected at regular intervals by the project arborist or at critical stages during the construction process to identify signs of stress and recommend remedial action such as mulching and irrigation.

Specific excavation for services that require critical fall (eg. sewer, stormwater) may be undertaken within the fenced off areas provided that trenching is dug using hand tools or thrust boring and tree roots are not severed unless they spatially conflict with the service pipes. This work within the tree protection fencing must be carried out under the instructions of an experienced and qualified project arborist.

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.

Protective fencing shall remain in functional condition for the duration of building works and can be removed to allow for works identified in the landscape plan.

Landscape works in the vicinity of the trees must be sympathetic to tree retention and existing ground levels within the Tree Protection Zones outside the building footprint must remain unchanged.

Any tree damage that occurs to trees or tree roots during site works is to be treated by an experienced and qualified arborist. Where branch pruning works are required, all pruning works including the removal of deadwood are to be undertaken in accordance with Australian Standard AS 4373-1996 Pruning of Amenity Trees and the work is to be undertaken by an experienced and qualified arborist.

report summary

This report has been prepared to assess the condition and significance of a number of trees on and adjacent the properties known as No. 1-9 Allengrove Crescent, 253-263 Lane Cove Road, 118A-112A Epping Road, North Ryde, and assess the potential impact of the proposed development on the identified trees. The assessments carried out in this report are based upon the Australian Standard 4970 - 2009, Protection of Trees on Development Sites. The terminology used in this report is also consistent with that used in the AS 4970-2009.

The report has been commissioned by EGC Custodian Services and site instructions have been provided by Candalepas Associates. Subsequent site inspections and field work were conducted on the 13th & 14th July 2010. For the purposes of this report the properties known as No. 1-9 Allengrove Crescent, 253-263 Lane Cove Road, 118A-112A Epping Road, North Ryde will be referred to as the site.

The site is located on the corner of Lane Cove Road & Epping Road at Ryde and consists of 15 residential allotments with various dwellings and detached garages and sheds. The landscape character of the site and the adjoining allotments comprises primarily of exotic species along with several large non indigenous native trees within the adjoining Council reserve.

The proposed development involves demolition of the existing structures and construction of apartments with basement car parking.

There are **133** trees that have been considered in this report on and adjacent the site, and based upon the development plans and this assessment;

- **109** trees are to be removed on site;
- **1** tree is to be retained on the site;
- **10** trees are to be removed within the adjacent reserve;
- **12** trees are to be retained within the adjacent reserve, and
- **1** tree is to be retained on the adjacent allotments.

Details of the 119 Trees to be Removed (number of trees)							
		Environmental / Landscape Significance					
		Noxious	Env. Pest (Exempt from TPO)	Low L/scape Sig.	Moderate L/scape Sig.	High L/scape Sig.	Significant L/scape Sig.
Condition	SULE 1	1	9	6	3	4	2
	SULE 2	1	27	31	14		
	SULE 3			7	5	1	
	SULE 4			2			
	Unstable			5	1		

Details of the 14 Trees to be Retained (number of trees)							
		Environmental / Landscape Significance					
		Noxious	Env. Pest (Exempt from TPO)	Low L/scape Sig.	Moderate L/scape Sig.	High L/scape Sig.	Significant L/scape Sig.
Condition	SULE 1				1	11	2
	SULE 2						
	SULE 3						
	SULE 4						
	Unstable						

Provided that the Tree Protection Measures (refer opposite) are implemented and works carried out in a sensitive manner it is considered that the proposed development will not have a significant impact on the long-term health of the trees identified as being retained.

