



arboricultural impact assessment – parramatta public school & arthur phillip high school

22nd April 2016

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Executive Summary

This report has been prepared to assess the condition and significance of a number of trees on the properties known Arthur Phillip High School and Parramatta Public School and assess the potential impact of the proposed development on the identified trees. The definition of a tree in this report is consistent with that described in Part 5.41 of the Parramatta Development Control Plan (2011) being “any tree or palm - whether indigenous, endemic, exotic or introduced species with a height equal to or exceeding 5 metres”.

The report was commissioned by Grimshaw Architects who have also provided site instructions. The site inspections and arboricultural assessments were conducted between the 10 & 11 March 2016 and for the purposes of this report the properties known as Arthur Phillip High School and Parramatta Public School will be referred to as the site.

Arboricultural assessments have been carried out using the Visual Tree Assessment (VTA) method (Mattheck & Breloer 2010). The assessment of the trees condition is undertaken by visual inspection of the trees themselves, surrounding vegetation and the site conditions. The impact 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 site is situated on the northern and southern sides of Macquarie Street, Parramatta and is currently developed. The site contains school buildings which range in age from heritage listed buildings to demountable classrooms, formal and informal car parking areas and developed open space areas. The trees on the site are a mix of exotic, native and indigenous species that are planted as stands or individual specimen trees.

The proposed redevelopment of the schools involves demolition of the majority of the built structures, retention of the heritage buildings (Grimshaw, 2016) and the provision of open space areas (Aspect, 2016).

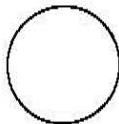
There are **108** trees that have been considered in this report of which, **86** trees are located on the site, **17** trees are located within the road reserve and **5** trees are located on the adjoining allotments.

Of the **108** trees considered in this report based upon the proposed plans:

- **34** trees are to be retained (**14** trees on the site, and **15** trees within the road reserve and **5** trees on the adjacent allotments)
- **74** trees are proposed to be removed (**72** trees on the site & **2** within the road reserve).

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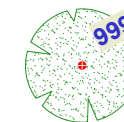
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tree legend



tree locations & reference numbers

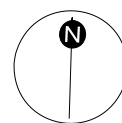
This plan is based upon:

Plan Showing Detail & Levels Parramatta Public School & Arthur Phillip High School, Macquarie Street, Ref 76957 Rev A, Dated 1/9/2015, (Rygate & Company Pty Limited Sydney, NSW)

In addition to the trees identified on the survey 11 trees have been added to this plan as they are of a size / dimensions covered by Parramatta City Council's DCP. The additional trees are Tree No's 19, 34, 35, 54, 55, 83 84, 85, 86, 87 & 95 and their locations, whilst based upon surveyed features, are approximate.

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

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



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project
**arboricultural impact assessment - parramatta
public school & arthur phillip high school**

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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:

- Very High Landscape Significance- prominent from a broad landscape perspective;
- High Landscape Significance - prominent from a neighbourhood perspective;
- Moderate Landscape Significance - prominent from adjacent areas surrounding the site, 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 affect the assessment, changes to the surrounding environment may result in changes to the SULE assessment.

Table 1 Safe Useful Life Expectancy (SULE), (Barrell, 2001)	
Category	Description
1	Long -Life span greater than 40 years
2	Medium - Life span from 15 to 40 years
3	Short - Life span from 5 to 15 years
4	Should be removed within 5 years
5	Small, Young or Regularly Pruned, Trees that can readily be moved or replaced.

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

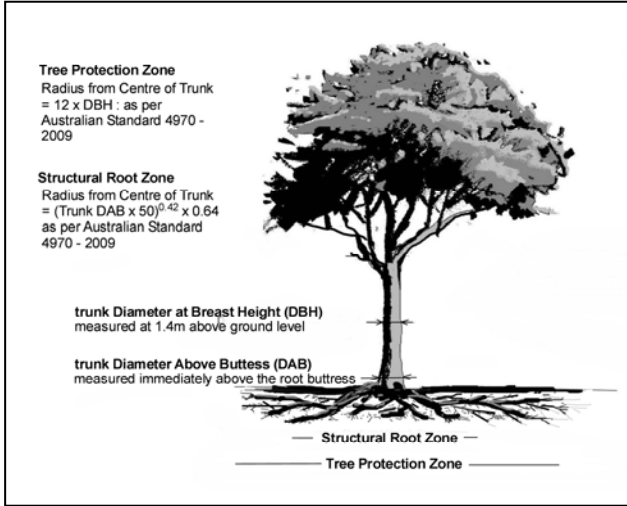
Unstable	Unstable in the ground or have significant trunk damage rendering them structurally hazardous.
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development planning & general impacts on trees

tree protection zones

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

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



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

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

development design & Tree Protection Zones

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

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

developments within the Tree Protection Zone

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

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

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

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

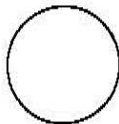
Where major encroachments are proposed to occur into the Tree Protection Zone the tree’s Structural Root Zone should also be taken into account.

developments within the tree’s Structural Root Zone

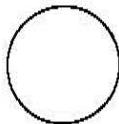
The Structural Root Zone is the area surrounding the tree where the severance of roots and excavation is likely to affect the structural stability of the tree and is likely to have a significant detrimental impact on the health & condition of the tree. Based upon AS 4970 – 2009 the radius of a tree’s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

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

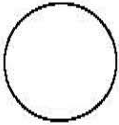
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
1	<i>Eucalyptus paniculata</i>	Ironbark	10	6	220	250	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.	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.	Good	20%	Bark cracking evident in the trunk at 3m.	2	On site	2.64	21.90
2	<i>Prunus persica</i>	Peach	5	5	180	320	Mature single trunk tree with an upright spreading form; an upright trunk/s and majority of canopy and branch development is towards the south. No evidence of significant branch pruning.	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 good vigour.	Good	15%	The tree is suckering at the base and has twiggy dead wood.	3	On site	2.16	14.66
3	<i>Araucaria bidwillii</i>	Bunya Pine	15	10	600	650	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	7.20	162.93
4	<i>Eucalyptus tereticornis</i>	Forest Red Gum	14	6	400	410	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 moderate health and displays fair vigour.	Fair	20%	The tree has a sparse upper canopy and there is evidence of previous limb failures.	3	On site	4.80	72.41
5	<i>Eucalyptus tereticornis</i>	Forest Red Gum	14	6	350	430	Mature twin trunk (at 2m) tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the east.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in poor health and displays poor vigour.	Poor	40%	The tree has a sparse thinning canopy and epicormic growth.	4	On site	4.20	55.44
6	<i>Eucalyptus tereticornis</i>	Forest Red Gum	17	10	580	720	Mature single trunk tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the west. Lower limbs of the tree have been pruned to 7m on the western side.	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	15%	There is decay in the basal area on the eastern side and some bark cracking is evident.	2	On site	6.96	152.25
7	<i>Eucalyptus amplifolia</i>	Cabbage Gum	12	9	230	270	Mature twin trunk (at 6m) tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the west. Lower limbs of the tree have been pruned to 7m.	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	20%	None evident	3	On site	2.76	23.94



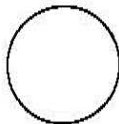
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
8	<i>Eucalyptus tereticornis</i>	Forest Red Gum	17	13	1*630, 1*180	1040	Mature twin trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development. The tree was previously a multi-trunk tree and a large leader has been removed at 0.2m	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.	Good	5%	None evident	2	On site	7.86	194.29
9	<i>Eucalyptus amplifolia</i>	Cabbage Gum	18	14	610	600	Mature single trunk tree with an upright forest form; an upright trunk/s and majority of canopy and branch development is towards the west. No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	None evident	1	On site	7.32	168.40
10	<i>Eucalyptus tereticornis</i>	Forest Red Gum	15	14	530	610	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 moderate health and displays fair vigour.	Fair	30%	The tree has reduced leaf size and a sparse canopy. Some epicormic growth is present along with twiggy dead wood.	2	On site	6.36	127.13
11	<i>Jacaranda mimosifolia</i>	Jacaranda	14	12	1*70, 1*50, 1*140, 1*110	620	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 1m.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	10%	The tree has suckering growth from the base.	1	On site	2.37	17.70
12	<i>Flindersia australis</i>	Crows Ash / Australian Teak	9	8	280	320	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.	Excellent	<5%	None evident	1	On site	3.36	35.48
13	<i>Jacaranda mimosifolia</i>	Jacaranda	7	10	1*170, 1*200	290	Semi-mature twin trunk tree with a broad spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	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.	Very Good	5%	None evident	1	On site	3.15	31.18
14	<i>Eucalyptus nicholii</i>	Narrow-Leaf Peppermint	7	4	260	300	Semi-mature multi trunk (at 1.5m) tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the south 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.	Good	15%	None evident	2	On site	3.12	30.59
15	<i>Syagrus romanzoffianum</i>	Cocos Palm	12	5	300	300	Mature single trunk tree with an elevated spreading form; an upright trunk/s and majority of canopy and branch development is towards the south. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	The palm appears to be suppressed by the adjacent vegetation	2	On site	3.60	40.73
16	<i>Corymbia maculata</i>	Spotted Gum	17	12	440	540	Mature single trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development. Lower limbs of the tree have been pruned to 3m.	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%	There is evidence of previous limb drop at 6m on the south eastern side.	1	On site	5.28	87.62
17	<i>Lophostemon confertus</i>	Brushbox	9	7	230	330	Semi-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 at 1.5m.	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	1	On site	2.76	23.94
18	<i>Corymbia citriodora</i>	Lemon Scented Gum	20	18	540	630	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%	The tree has reduced leaf size and a thin open branching structure that is prone to windthrow and branch failure.	1	On site	6.48	131.97
19	<i>Harpullia pendula</i>	Tulipwood	6	5	140	180	Semi-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 1.5m.	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	1	On site	2.00	12.57
20	<i>Corymbia maculata</i>	Spotted Gum	12	5	160	210	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	1	On site	2.28	16.34
21	<i>Syagrus romanzoffianum</i>	Cocos Palm	8	6	190	210	Semi-mature single trunk tree with an elevated spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	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	2.28	16.34
22	<i>Eucalyptus paniculata</i>	Ironbark	7	6	240	280	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 east. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	On site	2.88	26.07
23	<i>Eucalyptus paniculata</i>	Ironbark	17	7	210	240	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.	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 a trunk wound on the northern side at 3.5m that is callousing over.	1	On site	2.52	19.96
24	<i>Grevillea robusta</i>	Silky Oak	13	8	240	290	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.	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	2	On site	2.88	26.07
25	<i>Eucalyptus paniculata</i>	Ironbark	12	5	150	170	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.	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.	Fair	5%	The tree appears to be suppressed by the adjacent vegetation	1	On site	2.00	12.57
26	<i>Corymbia citriodora</i>	Lemon Scented Gum	12	5	170	210	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 west. No evidence of significant branch pruning.	Moderate L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	None evident	1	On site	2.04	13.08
27	<i>Eucalyptus sp.</i>	-	10	5	280	300	Semi-mature single trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development. Lower limbs of the tree have been pruned to 1.8m.	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	3.36	35.48
28	<i>Cinnamomum camphora</i>	Camphor Laurel	11	14	610	750	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 stability is suspect and its branch attachment appears fair. The tree is considered to be in moderate health and displays fair vigour.	Good	10%	There is decay in the trunk from ground level to 4m on the eastern side with decay in the trunks at 4-5.0m The tree has been poorly pruned and there is a bees hive on the eastern side at 2m.	Unstable	On site	7.32	168.40
29	<i>Grevillea robusta</i>	Silky Oak	12	5	240	310	Semi-mature single trunk tree with an upright pyramidal form; an upright trunk/s 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 sound. 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 and is predominately epicormic growth.	2	On site	2.88	26.07
30	<i>Eucalyptus microcorys</i>	Tallow-wood	13	13	420	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.	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	1	On site	5.04	79.83
31	<i>Eucalyptus crebra</i>	Narrow-Leaved Ironbark	10	8	1*210, 1*230, 1*140	320	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 at 2m.	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 has a bark inclusion at 1.2m	1	On site	4.10	52.77



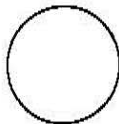
Tree No	Genus Species	Common Name	Height (m)	Canopy Spread (m)	DBH (mm)	DAB (mm)	Description	Environmental / Landscape Significance	Condition	Foliage Condition	% Canopy Dead Wood	Evidence of Pests, Disease, Cavity, Bracket Fungi	SULE	On / off site	TPZ Radius (m)	Area of TPZ (m2)
32	<i>Casuarina cunninghamiana</i>	River Oak/River Sheoak	12	7	320	420	Semi-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 3m o the eastern side.	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	3.84	46.34
33	<i>Jacaranda mimosifolia</i>	Jacaranda	9	8	1*220, 1*130	350	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.	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.	Very Good	5%	The tree has minor basal suckering.	2	On site	3.07	29.55
34	<i>Grevillea robusta</i>	Silky Oak	15	8	300	370	Mature single trunk tree with an upright pyramidal 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 2m.	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.	Fair	10%	The tree appears to be suppressed by the adjacent vegetation	3	On site	3.60	40.73
35	<i>Eucalyptus paniculata</i>	Ironbark	11	4	150	180	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%	The tree appears to be suppressed by the adjacent vegetation and has suckering at the base.	1	On site	2.00	12.57
36	<i>Casuarina cunninghamiana</i>	River Oak/River Sheoak	13	10	1*290, 1*310	520	Mature twin 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 3m.	High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	On site	5.09	81.55
37	<i>Eucalyptus paniculata</i>	Ironbark	5	6	180	220	Semi-mature single trunk tree with an upright forest form; a slight trunk lean to the south west and majority of canopy and branch development is towards the south west. Lower limbs of the tree have been pruned to 2m.	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	2.16	14.66
38	<i>Corymbia citriodora</i>	Lemon Scented Gum	15	11	240	300	Mature twin trunk (at 4.5m) tree with an upright forest 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 poor. The tree is considered to be in moderate health and displays fair vigour.	Fair	10%	The tree has a very open branching structure.	3	On site	2.88	26.07
39	<i>Angophora costata</i>	Sydney Red Gum	10	9	190	230	Semi-mature single trunk tree with an upright forest form; a slight trunk lean to the east 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	2.28	16.34
40	<i>Angophora bakeri</i>	Narrow-Leaved Apple	5	4	180	200	Semi-mature single trunk tree with an upright spreading form; a distinct trunk lean to the east and majority of canopy and branch development is towards the east. 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	2	On site	2.16	14.66
41	<i>Schinus areira</i>	Peppercorn Tree	12	15	840	890	Over 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 3m on the north eastern side and between 3-4.0m.	Moderate L/scape Sig.	The tree stability is suspect and its branch attachment appears poor. The tree is considered to be in moderate health and displays fair vigour.	Good	20%	There is an extensive hollow with decay present in the main trunk and branch stubs at 3.0-3.5m on the eastern side.	Unstable	On site	10.08	319.33
42	<i>Jacaranda mimosifolia</i>	Jacaranda	15	18	730	760	Mature multi trunk (at 3m) 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 5m on the north eastern side.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	On site	8.76	241.18
43	<i>Schinus areira</i>	Peppercorn Tree	16	14	1020	1550	Over mature multi trunk (at 3m) 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 5m.	High L/scape Sig.	The tree displays some signs of instability and its branch attachment appears fair. The tree is considered to be in moderate health and displays good vigour.	Very Good	15%	Decay is present in the upper canopy where limbs have previously failed. Termite activity is evident in the main trunk. Requires Resistograph testing.	4 – subject to further investigation	On site	12.24	470.86
44	<i>Eucalyptus sp.</i>	-	8	11	1*180, 1*200, 1*100, 1*330	620	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 good health and displays good vigour.	Good	5%	The tree has basal bark inclusions.	1	On site	5.25	86.58
45	<i>Lophostemon confertus</i>	Brushbox	13	12	620	790	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.	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%	Dead wood present in the lower canopy.	1	On site	7.44	173.97
46	<i>Jacaranda mimosifolia</i>	Jacaranda	14	132	680	750	Mature multi 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.	High L/scape Sig.	The tree displays some signs of instability and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	5%	The tree has an extensive trunk hollow on the south eastern side at 2m where a leader has previously failed.	3	On site	8.16	209.27
47	<i>Prunus persica</i>	Peach	5	10	1*270, 1*170	530	Over 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.	Low L/scape Sig.	The tree stability is suspect and its branch attachment appears poor. The tree is considered to be in moderate health and displays good vigour.	Good	10%	The tree has extensive decay at the base and the basal bark inclusion.	Unstable	On site	3.83	46.07
48	<i>Corymbia citriodora</i>	Lemon Scented Gum	18	16	630	750	Mature twin trunk (at 7m) tree with an upright forest form; a slight trunk lean to the north west and balanced canopy and branch development. Lower limbs of the tree have been pruned to 6m on the western side.	High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Excellent	<5%	The tree has a bark inclusion in the trunk at 7m.	1	On site	7.56	179.63
49	<i>Quercus robur</i>	English Oak	13	14	1*320, 1*570	680	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 3m.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	Decay present in old branch stubs and sooty mould evident on the foliage.	1	On site	7.84	193.38
50	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	10	7	1*480, 1*220	480	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.	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	10%	There is evidence of previous limb failures and the tree predominately comprises of epicormic growth.	3	On site	6.34	126.18
51	<i>Jacaranda mimosifolia</i>	Jacaranda	5	6	290	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.	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	20%	None evident	2	Within road reserve	3.48	38.06
52	<i>Jacaranda mimosifolia</i>	Jacaranda	5	4	140	170	Semi-mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	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	Within road reserve	2.00	12.57
53	<i>Leptospermum petersonii</i>	Lemon-Scented Tea Tree	4	4	1*110, 1*80	220	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 moderate health and displays fair vigour.	Good	20%	None evident	4	On site	2.00	12.57
54	<i>Hymenosporum flavum</i>	Native Frangipani	6	2	90	120	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 moderate health and displays good vigour.	Fair	5%	None evident	3	On site	2.00	12.57



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)
55	<i>Hakea sp.</i>		4	3	2*60, 3*100	330	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 good health and displays good vigour.	Good	5%	None evident	3	On site	2.31	16.84
56	<i>Lophostemon confertus</i>	Brushbox	11	13	2*250, 1*400, 1*450	620	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 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	5%	None evident	1	On site	8.38	220.63
57	<i>Lophostemon confertus</i>	Brushbox	11	11	550	620	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 3m on the north western side.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	On site	6.60	136.90
58	<i>Lophostemon confertus</i>	Brushbox	11	12	690	760	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 3m on the northern side.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	10%	None evident	1	On site	8.28	215.47
59	<i>Lophostemon confertus</i>	Brushbox	11	8	390	480	Mature twin trunk (at 3m) 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 3m on the northern side and it appears that the central leader has been pruned/removed at 6m many years ago.	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 good vigour.	Good	10%	The tree has a sparse thin canopy.	1	On site	4.68	68.84
60	<i>Lophostemon confertus</i>	Brushbox	11	11	1*300, 1*400, 1*380	690	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.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in moderate health and displays good vigour.	Fair	20%	The tree has epicormic growth and twiggy dieback.	2	On site	7.54	178.49
61	<i>Jacaranda mimosifolia</i>	Jacaranda	5	4	100	120	Semi-mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	Low L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	5%	None evident	2	Within road reserve	2.00	12.57
62	<i>Lophostemon confertus</i>	Brushbox	13	12	680	790	Mature multi trunk (at 2.5m) tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	5%	None evident	1	On site	8.16	209.27
63	<i>Lophostemon confertus</i>	Brushbox	13	11	660	650	Mature twin trunk (at 2m) tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development. Lower limbs of the tree have been pruned at 2m on the north eastern side.	High L/scape Sig.	The tree displays some signs of instability and its branch attachment appears fair. The tree is considered to be in moderate health and displays good vigour.	Good	10%	There is trunk damage and decay on the northern side of the tree from ground level to 1.4m. Requires Resistograph testing.	3 - subject to further investigation	On site	7.92	197.14
64	<i>Lophostemon confertus</i>	Brushbox	11	14	530	610	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.	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	25%	There is dieback in the central leaders which have bark cracking and splits. Twiggy dieback is evident in the canopy.	3	On site	6.36	127.13
65	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	11	25	1*660, 1*720, 1*860	1600	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 5m and weight reduction pruning has occurred.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Good	10%	Decay is evident on the upper side of the southern trunk and decay is also present in old pruning branch stubs. Some epicormic growth is present.	1	On site	15.00	707.14
66	<i>Eucalyptus microcorys</i>	Tallow-wood	17	22	780	1040	Mature single trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development. Lower limbs of the tree have been pruned to 5m.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	None evident	1	On site	9.36	275.34
67	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	15	22	1*590, 1*640, 1*620, 1*500	1580	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 4m and 1 trunk has been removed at 0.4m on the south western side.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Very Good	5%	Decay present in old branch stubs.	1	On site	14.16	630.02
68	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	7	5	170	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.	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	2.04	13.08
69	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	7	5	280	320	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.	Very Good	5%	None evident	1	On site	3.36	35.48
70	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	10	3	240	270	Semi-mature single trunk tree with an upright forest form; an upright trunk/s and balanced canopy and branch development. Two leaders have been removed at the base at 0.2m.	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	1	On site	2.88	26.07
71	<i>Ficus rubiginosa</i>	Port Jackson Fig/Rusty Fig	6	3	230	290	Semi-mature single trunk tree with an upright elliptical form; an upright trunk/s and majority of canopy and branch development is towards the south east. 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	1	On site	2.76	23.94
72	<i>Melaleuca quinquenervia</i>	Paperbark	7	9	1*190, 1*290, 1*130, 1*200	450	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	5%	None evident	1	On site	5.05	80.15
73	<i>Flindersia australis</i>	Crows Ash / Australian Teak	9	5	220	260	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.	Very Good	5%	None evident	1	Within road reserve	2.64	21.90
74	<i>Melaleuca quinquenervia</i>	Paperbark	10	10	1*350, 1*310	450	Mature twin 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 at 1-5.0m.	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.	Very Good	5%	None evident	1	On site	5.61	98.93
75	<i>Melaleuca quinquenervia</i>	Paperbark	9	7	1*380, 2*200	490	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	5%	The tree has bark inclusions at 1m.	1	On site	5.68	101.56
76	<i>Callistemon viminalis</i>	Weeping Bottlebrush	5	5	1*150, 1*80	240	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 fair. The tree is considered to be in poor health and displays poor vigour.	Fair	40%	The eastern leader is dead and there is dieback throughout the tree.	4	On site	2.04	13.08
77	<i>Melaleuca quinquenervia</i>	Paperbark	7	5	290	380	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 poor. The tree is considered to be in moderate health and displays fair vigour.	Good	20%	The tree has a bark inclusion at 2.2m, a wound in the lower trunk and epicormic growth is present.	4	On site	3.48	38.06



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78	Melaleuca quinquenervia	Paperbark	11	10	1*150, 1*400, 1*200	560	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 fair. The tree is considered to be in good health and displays good vigour.	Very Good	5%	The tree has bark inclusions in the basal junctions.	1	On site	5.66	100.70
79	Callistemon viminalis	Weeping Bottlebrush	5	4	1*160, 1*110	.330	Mature multi trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the north. Lower limbs of the tree have been pruned to 2m.	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	30%	The tree has bark inclusions in the basal junctions.	4	On site	2.33	17.06
80	Harpullia pendula	Tulipwood	11	5	210	260	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.	Very Good	5%	None evident	1	Within road reserve	2.52	19.96
81	Jacaranda mimosifolia	Jacaranda	4	3	100	130	Immature 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	Within road reserve	2.00	12.57
82	Jacaranda mimosifolia	Jacaranda	5	4	150	190	Semi-mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	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	Within road reserve	2.00	12.57
83	Melaleuca sp.		7	6	330	380	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.	Very Good	5%	None evident	2	On adjacent allotment	3.96	49.29
84	Eucalyptus sp.	-	15	8	310	450	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.	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 adjacent allotment	3.72	43.49
85	Eucalyptus sp.	-	25	24	700	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.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	10%	None evident	1	On adjacent allotment	8.40	221.76
86	Corymbia citriodora	Lemon Scented Gum	20	18	780	820	Mature single trunk tree with a tall forest form; a slight trunk lean to the south west and balanced canopy and branch development. No evidence of significant branch pruning.	Very High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	5%	None evident	1	On adjacent allotment	9.36	275.34
87	Corymbia citriodora	Lemon Scented Gum	13	8	230	250	Semi-mature single trunk tree with an upright forest form; a slight trunk lean to the north 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	1	On adjacent allotment	2.76	23.94
88	Melaleuca quinquenervia	Paperbark	15	8	500	660	Mature twin trunk (at 2m) tree with an upright elliptical form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Very Good	5%	The tree has a bark inclusion at the main junction.	1	Within road reserve	6.00	113.14
89	Melaleuca quinquenervia	Paperbark	12	10	410	550	Mature twin trunk (at 2.2m) 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 fair. The tree is considered to be in good health and displays good vigour.	Very Good	5%	The tree has a bark inclusion at the main junction at 2.5m.	1	Within road reserve	4.92	76.08
90	Melaleuca quinquenervia	Paperbark	11	7	360	440	Mature multi trunk (at 2.5m) 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 fair. The tree is considered to be in good health and displays good vigour.	Very Good	5%	The tree has a bark inclusion at the main junction at 2m.	1	Within road reserve	4.32	58.65
91	Flindersia australis	Crows Ash / Australian Teak	6	6	170	210	Semi-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.	Excellent	5%	Minor damage has occurred in the lower trunk.	1	Within road reserve	2.04	13.08
92	Flindersia australis	Crows Ash / Australian Teak	5	5	130	170	Semi-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.	Excellent	5%	None evident	1	Within road reserve	2.00	12.57
93	Araucaria cunninghamii	Hoop Pine	22	15	1140	1220	Mature single 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 5m.	Very High L/scape Sig.	The tree displays some signs of instability and its branch attachment appears sound. The tree is considered to be in moderate health and displays fair vigour.	Good	15%	The tree has a basal wound and decay on the north western side. There is a trunk wound with a hollow and decay on the western side at 3m. There is a trunk wound on the northern side of the tree at 4m and a trunk wound at 4-5m on the southern side that appears to have a trunk hollow 1.5m in length. Basal area and trunk wound at 4-5m requires Resistograph testing.	3 - subject to further investigation	13.68	588.16	
94	Fraxinus griffithii	Evergreen Ash	5	5	3*100, 1*60	340	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	On site	2.20	15.21
95	Sapium sebiferum	Chinese Tallow	5	4	150	210	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.	Excellent	<5%	None evident	2	On site	2.00	12.57
96	Jacaranda mimosifolia	Jacaranda	13	16	600	630	Mature twin trunk (at 2.5m) 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 3m on the western side.	High L/scape Sig.	The tree appears stable and its branch attachment appears sound. The tree is considered to be in good health and displays good vigour.	Excellent	5%	Decay is evident in the trunk at 1m on the northern side and in branch stubs.	2	On site	7.20	162.93
97	Jacaranda mimosifolia	Jacaranda	5	4	130	160	Semi-mature single trunk tree with an upright spreading form; a slight trunk lean to the north and majority of canopy and branch development is towards the north. Lower limbs of the tree have been pruned to 3m.	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 good vigour.	Good	10%	Trunk damage has occurred at 3m.	2	Within road reserve	2.00	12.57
98	Jacaranda mimosifolia	Jacaranda	14	18	1*630, 1*660	1100	Mature twin trunk tree with a broad spreading form; an upright trunk/s and majority of canopy and branch development is towards the north west. No evidence of significant branch pruning.	High L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Very Good	45%	The tree has a basal bark inclusion and canopy weight reduction is warranted.	2	On site	10.95	376.77
99	Acmena sp.	Lilly Pilly	5	3	120	180	Semi-mature single trunk tree with an upright spreading form; an upright trunk/s and balanced canopy and branch development. No evidence of significant branch pruning.	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	3	On site	2.00	12.57
100	Grevillea whiteana var.	Grevillea Moonlight	4	4	2*100, 1*50	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%	None evident	4	On site	2.00	12.57



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)
101	<i>Grevillea whiteana</i> var.	Grevillea Moonlight	4	3	180	200	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 2m.	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	4	On site	2.16	14.66
102	<i>Platanus x acerifolia</i> hybrida	Plane Tree	6	3	160	180	Semi-mature single 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 3m.	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%	There is a wound on the lower trunk to 1m.	1	Within road reserve	2.00	12.57
103	<i>Grevillea whiteana</i> var.	Grevillea Moonlight	5	4	1*60, 1*80	200	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 2m.	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	4	On site	2.00	12.57
104	<i>Grevillea whiteana</i> var.	Grevillea Moonlight	5	4	180	200	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 2m.	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 good vigour.	Good	15%	None evident	4	On site	2.16	14.66
105	<i>Grevillea whiteana</i> var.	Grevillea Moonlight	4	4	180	200	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 2m.	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	4	On site	2.16	14.66
106	<i>Platanus x acerifolia</i> hybrida	Plane Tree	6	3	120	180	Semi-mature single 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 3m.	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%	There is a wound on the lower trunk to 1.2m.	1	Within road reserve	2.00	12.57
107	<i>Platanus x acerifolia</i> hybrida	Plane Tree	6	3	100	180	Semi-mature single 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 3m.	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	1	Within road reserve	2.00	12.57
108	<i>Jacaranda mimosifolia</i>	Jacaranda	9	8	1*120, 1*150	220	Semi-mature twin trunk tree with an upright spreading form; a slight trunk lean to the west and majority of canopy and branch development is towards the north. The branch on the southern side has been pruned at 1.5m and a main leader has been pruned at 6m.	Low L/scape Sig.	The tree appears stable and its branch attachment appears fair. The tree is considered to be in good health and displays good vigour.	Good	5%	None evident	3	Within road reserve	2.31	16.70



Figure 8.1 Stand of trees on the northern side of Macquarie Street looking west with Tree No15 in the foreground (centre of photo)



Figure 8.2 Tree No. 65 in the existing courtyard of Phillip Arthur High School with the canopy of Tree No. 66 behind.



Figure 7.3 Tree No's 66 in the courtyard of Arthur Phillip High School.