tree legend

999 trees to be retained

999 trees to be removed

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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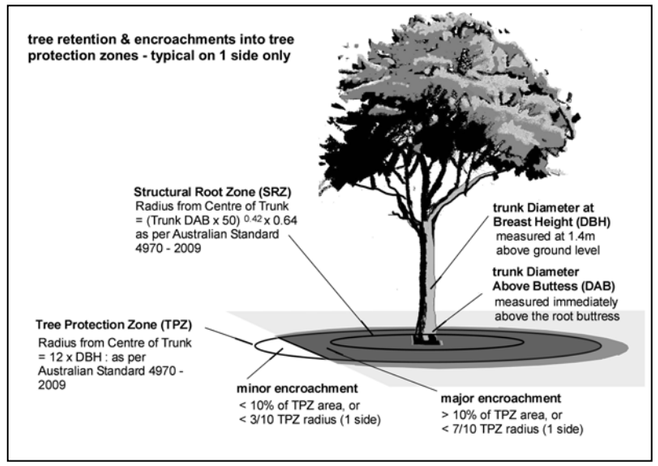
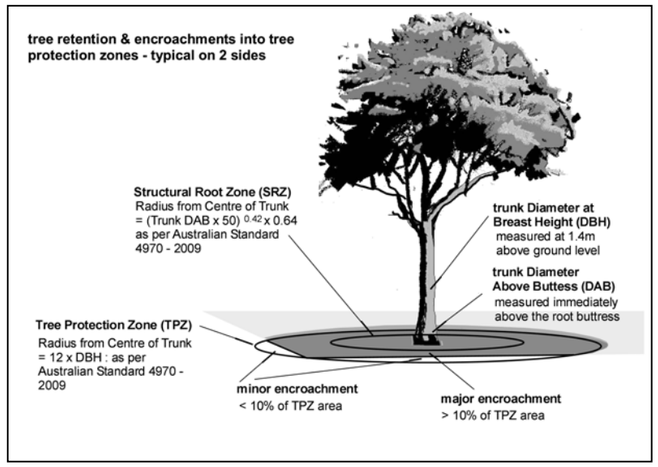
melanie howden	**1: 1000**	**22/04/16**	**aiatr2.01**	**0.1**	**9**	**17**

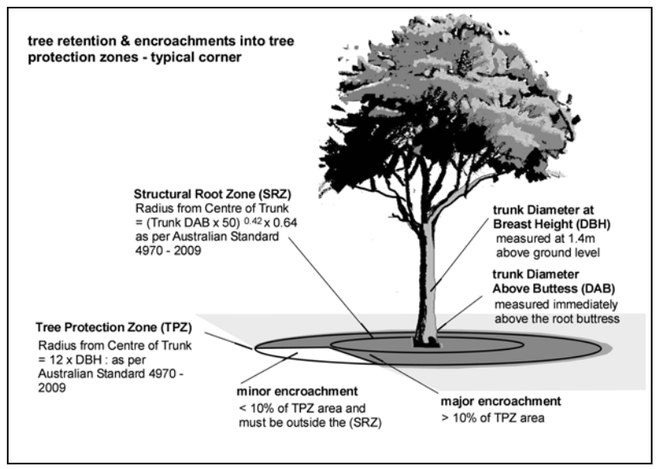
project
arboricultural impact assessment - parramatta public school & arthur phillip high school

drawing title
proposed development - tree retention & removal

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







Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
1	*Eucalyptus paniculata*	220	250	2	Moderate L/scape Sig.	2.64	21.90	1.85	1.85	The proposed vehicle access is within 1.1m (south) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
2	*Prunus persica*	180	320	3	Low L/scape Sig.	2.16	14.66	1.51	2.05	The proposed vehicle access is within 1.3m (south) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
3	*Araucaria bidwillii*	600	650	1	High L/scape Sig.	7.20	162.93	5.04	2.76	The proposed vehicle access spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
4	*Eucalyptus amplifolia*	400	410	3	Moderate L/scape Sig.	4.80	72.41	3.36	2.28	The proposed vehicle access is within 2.2m (west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
5	*Eucalyptus amplifolia*	350	430	4	Moderate L/scape Sig.	4.20	55.44	2.94	2.32	The proposed vehicle access is within 2.1m (west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
6	*Eucalyptus tereticornis*	580	720	2	High L/scape Sig.	6.96	152.25	4.87	2.88	The proposed vehicle access is within 1.9m (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
7	*Eucalyptus amplifolia*	230	270	3	Moderate L/scape Sig.	2.76	23.94	1.93	1.91	The proposed vehicle access is within 1.8m (west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
8	*Eucalyptus tereticornis*	1*630, 1*180	1040	2	High L/scape Sig.	7.86	194.29	5.50	3.36	The proposed vehicle access is within 1.9m (west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
9	*Eucalyptus amplifolia*	610	600	1	High L/scape Sig.	7.32	168.40	5.12	2.67	The proposed vehicle access is within 1.6m (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
10	*Eucalyptus tereticornis*	530	610	2	High L/scape Sig.	6.36	127.13	4.45	2.69	The proposed vehicle access is within 1.8m (west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
11	*Jacaranda mimosifolia*	1*70, 1*50, 1*140, 1*110	620	1	Moderate L/scape Sig.	2.37	17.70	1.66	2.71	The proposed vehicle access is within 1.5m (east), 0.9m (south) and 1.3m (west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
12	*Flindersia australis*	280	320	1	Moderate L/scape Sig.	3.36	35.48	2.35	2.05	The proposed landscape terrace is within 0.9m (north) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site

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

drawing title: **impact of proposed development on individual trees**

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
13	*Jacaranda mimosifolia*	1*170, 1*200	290	1	Moderate L/scape Sig.	3.15	31.18	2.20	1.97	The proposed external terrace is within 0.9m (north) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
14	*Eucalyptus nicholii*	260	300	2	Low L/scape Sig.	3.12	30.59	2.18	2.00	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
15	*Syagrus romanzoffianum*	300	300	2	Moderate L/scape Sig.	3.60	40.73	2.52	2.00	The proposed external terrace spatially conflicts with the location of the tree. The proposed building footprint is within 1.0m (north) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
16	*Corymbia maculata*	440	540	1	High L/scape Sig.	5.28	87.62	3.70	2.55	The proposed external terrace spatially conflicts with the location of the tree. The proposed building footprint is within 0.7m (north) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
17	*Lophostemon confertus*	230	330	1	Moderate L/scape Sig.	2.76	23.94	1.93	2.08	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
18	*Corymbia citriodora*	540	630	1	High L/scape Sig.	6.48	131.97	4.54	2.73	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
19	*Harpullia pendula*	140	180	1	Moderate L/scape Sig.	2.00	12.57	1.40	1.61	The proposed external terrace is within 1.3m (north) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
20	*Corymbia maculata*	160	210	1	Low L/scape Sig.	2.28	16.34	1.60	1.72	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
21	*Syagrus romanzoffianum*	190	210	2	Low L/scape Sig.	2.28	16.34	1.60	1.72	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
22	*Eucalyptus paniculata*	240	280	1	Moderate L/scape Sig.	2.88	26.07	2.02	1.94	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
23	*Eucalyptus paniculata*	210	240	1	Moderate L/scape Sig.	2.52	19.96	1.76	1.82	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
24	*Grevillea robusta*	240	290	2	Moderate L/scape Sig.	2.88	26.07	2.02	1.97	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site

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25	*Eucalyptus paniculata*	150	170	1	Moderate L/scape Sig.	2.00	12.57	1.40	1.57	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
26	*Corymbia citriodora*	170	210	1	Moderate L/scape Sig.	2.04	13.08	1.43	1.72	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
27	*Eucalyptus sp.*	280	300	1	Moderate L/scape Sig.	3.36	35.48	2.35	2.00	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
28	*Cinnamomum camphora*	610	750	Unstable	Moderate L/scape Sig.	7.32	168.40	5.12	2.93	The proposed entrance stairs are within 3.6m (north east) of the tree. The proposed external terrace is within 4.3m (north west) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
29	*Grevillea robusta*	240	310	2	Low L/scape Sig.	2.88	26.07	2.02	2.02	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
30	*Eucalyptus microcorys*	420	480	1	Moderate L/scape Sig.	5.04	79.83	3.53	2.43	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
31	*Eucalyptus crebra*	1*210, 1*230, 1*140	320	1	Moderate L/scape Sig.	4.10	52.77	2.87	2.05	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
32	*Casuarina cunninghamiana*	320	420	2	Moderate L/scape Sig.	3.84	46.34	2.69	2.30	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
33	*Jacaranda mimosifolia*	1*220, 1*130	350	2	Moderate L/scape Sig.	3.07	29.55	2.15	2.13	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
34	*Grevillea robusta*	300	370	3	Moderate L/scape Sig.	3.60	40.73	2.52	2.18	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
35	*Eucalyptus paniculata*	150	180	1	Low L/scape Sig.	2.00	12.57	1.40	1.61	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
36	*Casuarina cunninghamiana*	1*290, 1*310	520	1	High L/scape Sig.	5.09	81.55	3.57	2.51	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
37	*Eucalyptus paniculata*	180	220	1	Low L/scape Sig.	2.16	14.66	1.51	1.75	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site

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

drawing title: **impact of proposed development on individual trees**

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
38	*Corymbia citriodora*	240	300	3	Moderate L/scape Sig.	2.88	26.07	2.02	2.00	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
39	*Angophora costata*	190	230	1	Moderate L/scape Sig.	2.28	16.34	1.60	1.79	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
40	*Angophora bakeri*	180	200	2	Low L/scape Sig.	2.16	14.66	1.51	1.68	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
41	*Schinus areira*	840	890	Unstable	Moderate L/scape Sig.	10.08	319.33	7.06	3.15	The proposed external terrace spatially conflicts with the location of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
42	*Jacaranda mimosifolia*	730	760	1	High L/scape Sig.	8.76	241.18	6.13	2.95	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
43	*Schinus areira*	1020	1550	4	High L/scape Sig.	12.24	470.86	8.57	3.98	The proposed driveway access / car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
44	*Eucalyptus sp.*	1*180, 1*200, 1*100, 1*330	620	1	Moderate L/scape Sig.	5.25	86.58	3.67	2.71	The proposed external terrace is within 2.4m (north) of the tree.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
45	*Lophostemon confertus*	620	790	1	High L/scape Sig.	7.44	173.97	5.21	3.00	The proposed external terrace is within 3.6m (north) of the tree.	Potentially affected by demolition works and proposed landscape works.	Retained with Specific Tree Protection Measures	On site
46	*Jacaranda mimosifolia*	680	750	3	High L/scape Sig.	8.16	209.27	5.71	2.93	The proposed levels of the constructed external area are to be raised by in excess of 1m,	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
47	*Prunus persica*	1*270, 1*170	530	Unstable	Low L/scape Sig.	3.83	46.07	2.68	2.53	The proposed sports courts are within the tree's Tree Protection Zone and external levels are to be raised.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
48	*Corymbia citriodora*	630	750	1	High L/scape Sig.	7.56	179.63	5.29	2.93	The tree is currently surrounded by a concrete slab and the existing sports court is within 2.8m (west) of the tree. Currently almost half of the radial root zone underneath the demountable buildings has an earthen surface. The proposed low landscape walls are within the tree's Tree Protection Zone. The proposed landscape terrace is to cover the existing earthen surface of the tree's root zone.	The raising the levels and covering the current earthen surface within the trees radial root zone is likely to affect the health of the tree. Removal of the existing concrete around the tree may affect the stability of the tree.	To be Removed	On site
49	*Quercus robur*	1*320, 1*570	680	1	High L/scape Sig.	7.84	193.38	5.49	2.81	The tree is currently surrounded by a concrete slab and the existing sports court is within 2.8m (west) of the tree. The proposed low landscape walls are within the tree's Tree Protection Zone.	Potentially affected by demolition works and proposed landscape works.	Retained with Specific Tree Protection Measures	On site
50	*Eucalyptus scoparia*	1*480, 1*220	480	3	Moderate L/scape Sig.	6.34	126.18	4.44	2.43	The proposed carpark driveway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
51	*Jacaranda mimosifolia*	290	340	2	Moderate L/scape Sig.	3.48	38.06	2.44	2.10	The tree is currently growing in the bitumen footpath.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
52	*Jacaranda mimosifolia*	140	170	2	Low L/scape Sig.	2.00	12.57	1.40	1.57	The tree is currently growing in the bitumen footpath.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
53	*Leptospermum petersonii*	1*110, 1*80	220	4	Low L/scape Sig.	2.00	12.57	1.40	1.75	The existing building is to be demolished within 1.6m (east) of the tree.	The tree is a poor specimen and demolition activity is to occur in close proximity to the tree and substantial pruning and damage to the tree is likely to occur.	To be Removed	On site
54	*Hymenosporum flavum*	90	120	3	Low L/scape Sig.	2.00	12.57	1.40	1.36	No proposed works within the tree's Tree Protection Zone.	No significant impact however, the tree is considered to be in poor condition.	To be Removed	On site
55	*Hakea sp.*	2*60, 3*100	330	3	Low L/scape Sig.	2.31	16.84	1.62	2.08	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
56	*Lophostemon confertus*	2*250, 1*400, 1*450	620	1	High L/scape Sig.	8.38	220.63	5.86	2.71	The existing bitumen car park is proposed to be removed within the tree's Tree Protection Zone. The proposed pedestrian path is within 5.9m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On site
57	*Lophostemon confertus*	550	620	1	High L/scape Sig.	6.60	136.90	4.62	2.71	The existing bitumen car park is proposed to be removed within the tree's Tree Protection Zone. The proposed pedestrian path is within 7.3m (south east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On site
58	*Lophostemon confertus*	690	760	1	High L/scape Sig.	8.28	215.47	5.80	2.95	The proposed bitumen car park is to be removed within the tree's Tree Protection Zone. The proposed pedestrian path is within 4.2m (south) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On site
59	*Lophostemon confertus*	390	480	1	Moderate L/scape Sig.	4.68	68.84	3.28	2.43	The existing bitumen car park is proposed to be removed within the tree's Tree Protection Zone. The proposed pedestrian path spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
60	*Lophostemon confertus*	1*300, 1*400, 1*380	690	2	High L/scape Sig.	7.54	178.49	5.28	2.83	The existing bitumen car park is proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site

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Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
61	*Jacaranda mimosifolia*	100	120	2	Low L/scape Sig.	2.00	12.57	1.40	1.36	The tree is currently growing in the bitumen footpath. The footpath is proposed to be paved.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
62	*Lophostemon confertus*	680	790	1	High L/scape Sig.	8.16	209.27	5.71	3.00	The existing bitumen car park is proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
63	*Lophostemon confertus*	660	650	2	High L/scape Sig.	7.92	197.14	5.54	2.76	The existing bitumen car park is proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
64	*Lophostemon confertus*	530	610	3	Moderate L/scape Sig.	6.36	127.13	4.45	2.69	The existing bitumen and paving is proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
65	*Ficus rubiginosa*	1*660, 1*720, 1*860	1600	1	High L/scape Sig.	15.00	707.14	10.50	4.03	The existing building is to be demolished within 11.6m (south) of the tree. The existing bitumen surface and existing minor landscape works are proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
66	*Eucalyptus microcorys*	780	1040	1	Very High L/scape Sig.	9.36	275.34	6.55	3.36	The existing building is to be demolished within 6.1m (west) and 6.4m (south) of the tree. The existing bitumen surface and existing minor landscape works are proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
67	*Ficus rubiginosa*	1*590, 1*640, 1*620, 1*500	1580	1	Very High L/scape Sig.	14.16	630.02	9.91	4.01	The existing building is to be demolished within 8.3m (south) of the tree. The existing bitumen surface and existing minor landscape works are proposed to be removed within the tree's Tree Protection Zone.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
68	*Ficus rubiginosa*	170	220	1	Low L/scape Sig.	2.04	13.08	1.43	1.75	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
69	*Ficus rubiginosa*	280	320	1	Low L/scape Sig.	3.36	35.48	2.35	2.05	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
70	*Eucalyptus scoparia*	240	270	1	Low L/scape Sig.	2.88	26.07	2.02	1.91	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
71	*Ficus rubiginosa*	230	290	1	Low L/scape Sig.	2.76	23.94	1.93	1.97	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
72	*Melaleuca quinquenervia*	1*190, 1*290, 1*130, 1*200	450	1	Moderate L/scape Sig.	5.05	80.15	3.53	2.37	The proposed entrance pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
73	*Flindersia australis*	220	260	1	Moderate L/scape Sig.	2.64	21.90	1.85	1.88	The tree is currently growing in the bitumen footpath. The footpath is proposed to be paved.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
74	*Melaleuca quinquenervia*	1*350, 1*310	450	1	Moderate L/scape Sig.	5.61	98.93	3.93	2.37	The existing building is to be demolished within 2.5m (south) of the tree. The proposed low retaining wall is within 1.9m (south) of the tree.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
75	*Melaleuca quinquenervia*	1*380, 2*200	490	1	Moderate L/scape Sig.	5.68	101.56	3.98	2.45	The existing building is to be demolished within 2.4m (south) of the tree. The proposed low retaining wall is within 1.9m (south) of the tree.	Potentially affected by landscape works.	Retained with Specific Tree Protection Measures	On site
76	*Callistemon viminalis*	1*150, 1*80	240	4	Low L/scape Sig.	2.04	13.08	1.43	1.82	The existing building is to be demolished within 2.4m (south) of the tree. The proposed low retaining wall is within 1.8m (south) of the tree.	No significant impact however, the tree is considered to be in poor condition.	To be Removed	On site
77	*Melaleuca quinquenervia*	290	380	4	Low L/scape Sig.	3.48	38.06	2.44	2.20	The existing building is to be demolished within 2.5m (south) of the tree. The proposed low retaining wall is within 1.9m (south) of the tree.	No significant impact however, the tree is considered to be in poor condition.	To be Removed	On site
78	*Melaleuca quinquenervia*	1*150, 1*400, 1*200	560	1	Moderate L/scape Sig.	5.66	100.70	3.96	2.59	The existing building is to be demolished within 2.3m (south) of the tree. The proposed low retaining wall is within 1.6m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
79	*Callistemon viminalis*	1*160, 1*110	.330	4	Low L/scape Sig.	2.33	17.06	1.63	0.11	The existing building is to be demolished within 2.4m (south) of the tree. The proposed low retaining wall is within 1.7m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
80	*Harpullia pendula*	210	260	1	Moderate L/scape Sig.	2.52	19.96	1.76	1.88	The tree is currently growing in the bitumen footpath. The footpath is proposed to be paved.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
81	*Jacaranda mimosifolia*	100	130	2	Low L/scape Sig.	2.00	12.57	1.40	1.40	The tree is currently growing in the bitumen footpath. The footpath is proposed to be paved.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
82	*Jacaranda mimosifolia*	150	190	2	Low L/scape Sig.	2.00	12.57	1.40	1.65	The tree is currently growing in the bitumen footpath. The footpath is proposed to be paved.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
83	*Melaleuca sp.*	330	380	2	Low L/scape Sig.	3.96	49.29	2.77	2.20	The proposed pedestrian path is within 3.9m (east) and 3.4m (north) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment

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prepared by: **melanie howden** | scale at A3: **nts** | date: **22/04/16** | dwg no.: **aiasi 2.01** | rev.: **0.1** | sheet: **13** of **17**

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

drawing title: **impact of proposed development on individual trees**

Tree No	Genus Species	DBH (mm)	DAB (mm)	SULE	Env./ L/scape Sig.	TPZ Radius (m)	Area of TPZ (m2)	Radius of 90% of TPZ area (7/10)	SRZ Radius (m)	Adjacent Works	Influence on Tree	Plan Status	On / off site
84	*Eucalyptus sp.*	310	450	1	Moderate L/scape Sig.	3.72	43.49	2.60	2.37	The proposed pedestrian path is within 3.4m (east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
85	*Eucalyptus sp.*	700	850	1	Very High L/scape Sig.	8.40	221.76	5.88	3.09	The proposed pedestrian path is within 6.7m (east) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
86	*Corymbia citriodora*	780	820	1	Very High L/scape Sig.	9.36	275.34	6.55	3.04	The proposed pedestrian path is within 6.1m (north) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
87	*Corymbia citriodora*	230	250	1	Moderate L/scape Sig.	2.76	23.94	1.93	1.85	The proposed pedestrian path is within 4.4m (north) of the tree.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	On adjacent allotment
88	*Melaleuca quinquenervia*	500	660	1	High L/scape Sig.	6.00	113.14	4.20	2.78	The existing footpath and road kerb are to be retained within the tree's Tree Protection Zone.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
89	*Melaleuca quinquenervia*	410	550	1	Moderate L/scape Sig.	4.92	76.08	3.44	2.57	The existing footpath and road kerb are to be retained within the tree's Tree Protection Zone.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
90	*Melaleuca quinquenervia*	360	440	1	Moderate L/scape Sig.	4.32	58.65	3.02	2.34	The existing footpath and road kerb are to be retained within the tree's Tree Protection Zone. The proposed paved pathway is within 1.2m (north) of the tree with existing levels to remain unchanged.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
91	*Flindersia australis*	170	210	1	Low L/scape Sig.	2.04	13.08	1.43	1.72	The proposed car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	Within road reserve
92	*Flindersia australis*	130	170	1	Low L/scape Sig.	2.00	12.57	1.40	1.57	The proposed car park spatially conflicts with the location of the tree.	Not applicable	To be Removed	Within road reserve
93	*Araucaria cunninghamii*	1140	1220	3	Very High L/scape Sig.	13.68	588.16	9.58	3.60	The proposed landscape works and changes to existing levels are within the tree's Tree Protection Zone.	Changes to soil levels are likely to involve fill and or excavation effecting a substantial portion of the tree's root system.	To be Removed	On site
94	*Fraxinus griffithii*	3*100, 1*60	340	2	Low L/scape Sig.	2.20	15.21	1.54	2.10	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
95	*Sapium sebiferum*	150	210	2	Low L/scape Sig.	2.00	12.57	1.40	1.72	The proposed pathway spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
96	*Jacaranda mimosifolia*	600	630	2	High L/scape Sig.	7.20	162.93	5.04	2.73	The proposed 4 storey building footprint is within 2.7m (south) of the tree. Currently a demountable building is elevated on piers within 2m (south) of the tree.	Excavation is likely to involve severance of significant tree roots resulting in the decline of the tree and/or rendering it unstable.	To be Removed	On site
97	*Jacaranda mimosifolia*	130	160	2	Low L/scape Sig.	2.00	12.57	1.40	1.53	The tree is currently growing in the bitumen footpath. The footpath is proposed to be paved.	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
98	*Jacaranda mimosifolia*	1*630, 1*660	1100	2	High L/scape Sig.	10.95	376.77	7.66	3.44	The proposed 4 storey building footprint is within 5.8m (south west) of the tree. The proposed school entrance requires existing levels to be lowered within 1.5m (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	On site
99	*Acmena sp.*	120	180	3	Low L/scape Sig.	2.00	12.57	1.40	1.61	The proposed 4 storey building footprint is within 5.6m (north west) of the tree and the proposed entrance is within 1.0m (south west) of the tree.	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	On site
100	*Grevillea whiteana var.*	2*100, 1*50	200	4	Low L/scape Sig.	2.00	12.57	1.40	1.68	The proposed 4 storey building footprint is within 4.4m (north west) of the tree	No significant impact however, retention of the tree conflicts with the landscape plan.	To be Removed	On site
101	*Grevillea whiteana var.*	180	200	4	Low L/scape Sig.	2.16	14.66	1.51	1.68	The proposed 4 storey building footprint is within 2.5m (west) of the tree	Construction activity is to occur in close proximity to the tree and substantial pruning and damage to the tree is likely to occur.	To be Removed	On site
102	*Platanus x acerifolia hybrida*	160	180	1	Low L/scape Sig.	2.00	12.57	1.40	1.61	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
103	*Grevillea whiteana var.*	1*60, 1*80	200	4	Low L/scape Sig.	2.00	12.57	1.40	1.68	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
104	*Grevillea whiteana var.*	180	200	4	Low L/scape Sig.	2.16	14.66	1.51	1.68	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
105	*Grevillea whiteana var.*	180	200	4	Low L/scape Sig.	2.16	14.66	1.51	1.68	The proposed building footprint spatially conflicts with the location of the tree.	Not applicable	To be Removed	On site
106	*Platanus x acerifolia hybrida*	120	180	1	Low L/scape Sig.	2.00	12.57	1.40	1.61	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
107	*Platanus x acerifolia hybrida*	100	180	1	Low L/scape Sig.	2.00	12.57	1.40	1.61	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve
108	*Jacaranda mimosifolia*	1*120, 1*150	220	2	Low L/scape Sig.	2.31	16.70	1.61	1.75	No proposed works within the tree's Tree Protection Zone	No significant impact with appropriate Tree Protection Measures.	Retained with General Tree Protection Measures	Within road reserve

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prepared by	scale at A3	date	dwg no.	rev.	sheet	of
melanie howden	**nts**	**22/04/16**	**aiasi 2.01**	**0.1**	**14**	**17**

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

drawing title
impact of proposed development on individual trees

tree legend

999 trees to be retained

999 trees to be removed

tree protection fencing prior to & during demolition

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

drawing title
tree protection plan - prior to & during demolition

tree legend

999 — trees to be retained

tree protection fencing prior to & during construction

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)

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melanie howden	**1: 1000**	**22/04/16**	**aiatp2.02**	**0.1**	**16**	**17**

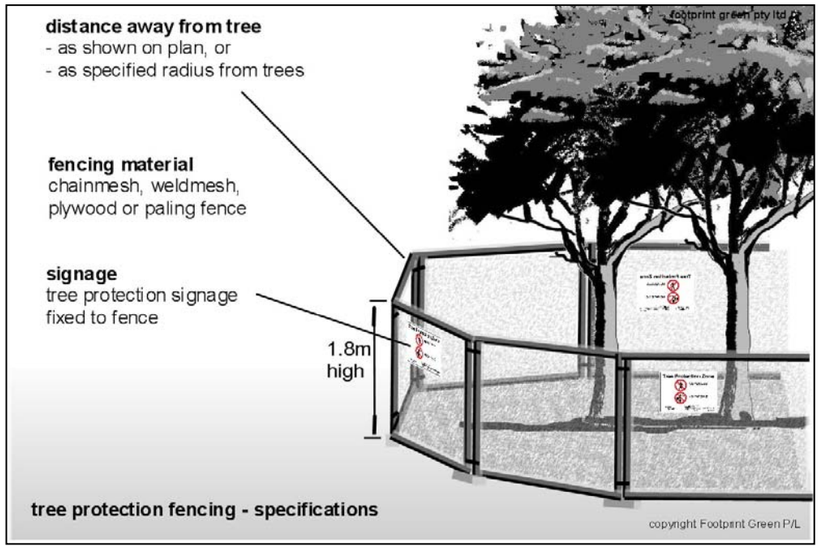
project
arboricultural impact assessment - parramatta public school & arthur phillip high school

drawing title
tree protection plan - prior to & during construction

tree protection measures

specific tree protection measures prior to or during demolition

Prior to demolition, tree protection fencing shall be erected as shown on the Tree Protection Plan Prior to & During Demolition (refer sheet 15) in accordance with the specification below.



Prior to demolition, Tree Protection Signage is to be incorporated on the secure protective fencing at a maximum of 8m intervals in accordance with the specification below.

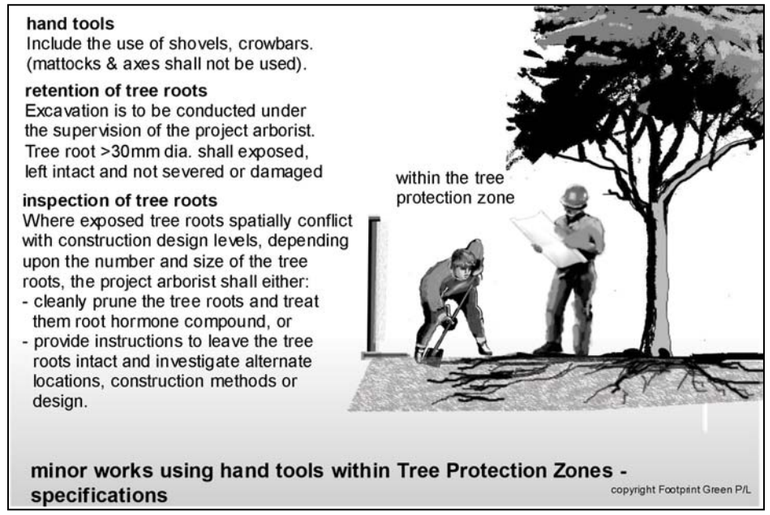
All demolition or earthworks within the Tree Protection Fencing shall be carried out under the direction of a qualified and experienced Project Arboriculturalist.

specific tree protection measures prior to or during construction

Prior to earthworks or construction, tree protection fencing shall be realigned as shown on the Tree Protection Plan Prior to & During Construction (refer sheet 16).

The area within the tree protection fencing shall be mulched with organic mulch and a temporary drip irrigation system be installed.

All earthworks or construction works within the tree protection fencing areas shall be carried out under the direction of a qualified and experienced Project Arboriculturalist..



general tree protection measures prior to or during construction

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.

All access within the tree protection fencing for temporary and permanent works must be carried out under the instructions of an experienced and qualified project arborist.

Tree Protection 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.

Specific excavation for services that require critical fall (eg. sewer, stormwater) may be undertaken within the tree protection zones only under the direct supervision of the project arborist.

Any tree damage that occurs to trees or tree roots during site works is to be treated by an experienced and qualified arborist.

Should branch pruning be required, all pruning works including the removal of deadwood are to be undertaken in accordance with Australian Standard AS 4373-2007 Pruning of Amenity Trees and the work is to be undertaken by an experienced and qualified arborist.

tree report summary

conclusion

This report has been prepared to assess the condition and significance of a number of trees on the properties known as Arthur Phillip High School and Parramatta Public School 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 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 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 10**8** 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).

Details of the 14 Trees to be Retained on the Site (number of trees)

Condition	Environmental / Landscape Significance					
	Noxious	Env. Pest (Exempt from DCP)	Low L/scape Sig.	Moderate L/scape Sig.	High L/scape Sig.	Very High L/scape Sig.
SULE - 1				2	7	2
SULE - 2					2	
SULE - 3				1		
SULE - 4						
Unstable						

Details of the 72 Trees to be Removed on the Site (number of trees)

Condition	Environmental / Landscape Significance					
	Noxious	Env. Pest (Exempt from DCP)	Low L/scape Sig.	Moderate L/scape Sig.	High L/scape Sig.	Very High L/scape Sig.
SULE - 1			7	17	7	
SULE - 2			6	5	5	
SULE - 3			4	5	1	1
SULE - 4			9	1	1	
Unstable			1	2		

Provided that the specific and general tree protection measures (refer opposite this sheet) are implemented and works are undertaken 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.

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

drawing title: **tree protection measures & report summary**