2010

Badham Street & Anthill Street Carpark Upgrade

Prepared for

LAND DEVELOPMENT AGENCY

By

JEA

with

BROWN CONSULTING

JEA

Urban Planning + Landscape Architecture

Unit 5/97 Northbourne Avenue Turner ACT 2612
P: 02 6262 6363 F: 02 6262 6343
E: jea@jea.com.au W: www.jea.com.au

Table of Contents

1. Introduction....3
2. Site Description....3
ASSESSMENT INVENTORY....3
3. Tree number....3
4. Species....3
5. Trunk....3
6. Height....3
7. Crown....4
8. Classification Status....4
9. Expected Longevity....4
10. Cultural Significance....4
11. Visual / Aesthetic....4
12. Botanic Significance....5
13. Ecological....5
15 Tree Surgery....5
16 Tree Damaging Activity (TDA) Application....5
17 Assessment....5
18 Summary....6
19 Notes / Disclaimer....6

TREE ASSESSMENT REPORT

1. Introduction

This tree assessment report has been prepared in response to a brief issued by Brown Consulting (ACT) Pty Ltd. The aim of this report is to provide detailed information on the location and status of trees in the carpark and surrounds of Dickson library, located on the corners of Anthill Street and Badham Street in Dickson, ACT. The information will aid in the development of the site by identifying and assessing classification of trees, and or covered by the Tree Protection (Interim Scheme) Act 2005.

2. Site Description

The site is located south of Anthill Street and east of Badham Street in Dickson Canberra. The site is a carpark which surrounds the Dickson Library therefore the ground is generally level. Trees in the carpark are formally arranged in rows and are of the same species. Trees on the verges are mixed Street Tree plantings. The site is proposed to be upgraded.

ASSESSMENT INVENTORY

3. Tree number

Individual trees or groups of trees are given a unique number shown on attached plan J10-879 Plan 1 of 1 issue A.

4. Species

Identification of trees on site as follows:

Ca	Celtis australis	European Hackberry
Cd	Cedrus deodora	Himalayan Cedar
Em	Eucalyptus mannifera	Brittle Gum
Ms	Malus Species	Flowering Apple
Pc	Pinus canariensis	Canary Island Pine
Pch	Pistacia chinensis	Chinese Pistachio
Pa	Platanus acerfolia	London Plane Tree
Po	Platanus occidentalis	Sycamore Tree
Por	Platanus orientalis	Oriental Plane
Pp	Prunus persica	Winter Peach
Pu	Pyrus ussuriensis	Manchurian Pear

5. Trunk

Measured 1 metre above FSL. Trees with trunk circumference of 1500mm are potentially regulated trees under Tree Protection Legislation. – TDA application required. Multiple trunk trees with a circumference of 1500mm are potentially regulated trees under the Tree Protection Legislation. – TDA application required.

6. Height

In metres. (Any tree greater than 12m is potentially a regulated tree under the Tree Protection Legislation. – TDA application if removal I required)

7. Crown

Shown in meters it is the maximum crown width of the tree. Trees with crown diameter/spread of 12m or greater are potentially regulated trees under the Tree Protection Legislation. – TDA application if removal required.

8. Classification Status

E Exceptional value tree that must be retained with no disturbance. Mature specimen, grand appearance and stature. May have unusual character, or be a rare species well balanced. Little to no epicormic shoots.

H High value tree that must be retained with minimal disturbance. Mature specimen, good appearance and structure. Little to no epicormic shoots.

M Medium value tree where retention is desirable but may be considered for removal if all other design options are exhausted. Mature specimen. Some evidence of limb fall. Epicormics may be common. Dieback common.

P Poor quality tree which may be removed. Significant dieback common. Decay/ hollows common. May have a short life expectancy.

D Dead non-significant tree withlow landscape impact. Trees surveyed however no detailed assessment has been undertaken.

9. Expected Longevity

S Short (less than 10 years)
M Medium (10-25 years)
L Long (greater than 25 years)

10. Cultural Significance

Cultural/Social/Commemorative

CSC 1	Significant public figure or important historical event
CSC 2	Highly valued by the community or a cultural group
CSC 3	Aboriginal listed place

11. Visual / Aesthetic

VA1	A tree or group of trees that occurs in a prominent location or context
VA2	A tree that is outstanding for its height, trunk circumference or canopy spread
VA3	A tree or group of trees which is of outstanding aesthetic or visual significance, and so provides a significant contribution to the landscape, including remnant native trees, important landmarks and plantings constituting formal or unusual patterns, or exhibits curious growth forms or physical features

12. Botanic Significance

BS1 A tree that is of horticultural or genetic value and could be an important source of propagation stock, including specimens that are particularly resistant to disease or climatic extremes.

BS2 A tree that is an outstanding example of its species, including its age, size or habit

BS3 A tree or group which demonstrates a likelihood of providing information which will contribute significantly to a wider understanding of natural or cultural history by virtue of its use as a research site.

BS4 A tree or group which provides habitat for native fauna

13. Ecological

E1 An example of a rare or threatened species or one endemic to the territory or local region.

E2 An indigenous native eucalypt in the urban area with a trunk circumference of 2.5m or more

E3 A tree or group of trees that make a significant contribution to the integrity of an ecological community, including its role as a seed source or specialised habitat

E4 A remnant specimen tree or group of trees reduced in range or abundance, which indicates the former extent of the species, particularly range limits.

E5 A tree or group of trees which is a significant habitat element for rare or threatened wildlife species.

15 Tree Surgery

Recommended short term management action that would be appropriate in the event of changed conditions.
Such action may include:

LP Remove deadwood and light prune to improve form if necessary

HP General tree surgery and pruning to remove dead and/or diseased wood, to shape, balance or reduce the crown, to eliminate low growing limbs or other inferior or damaged growth, for management of top heavy or lopsided canopy or corrective work following physical damage or vandalism.

FP Formative pruning

All pruning to be in accordance with AS 4373 – 'Pruning of Amenity Trees'

16 Tree Damaging Activity (TDA) Application

Under the Tree Protection (Interim Scheme) Act 2005, a tree is a regulated tree and is protected if it is growing on urban leased land and it has:

- A height of 12 metres or more
- Trunk circumference of 1500mm at 1000mm from FSL
- Two or more trunks total greater than 1500mm at 1000mm FSL
- Crown width of 12m or more

17 Assessment

Refer to attached spreadsheet with Tree Data information and Tree Management Plan J10/876 L401_A.

18 Summary

There are 11 Exceptional and High value trees amongst the surveyed area that are to be protected and not disturbed. The majority of trees in the carpark are medium and poor value Platanus orientalis, many needing some surgery and maintenance. Trees numbered T1,T2 and T3 are 1m from the building and T10 is 0.5m from the building which may be of some concern.

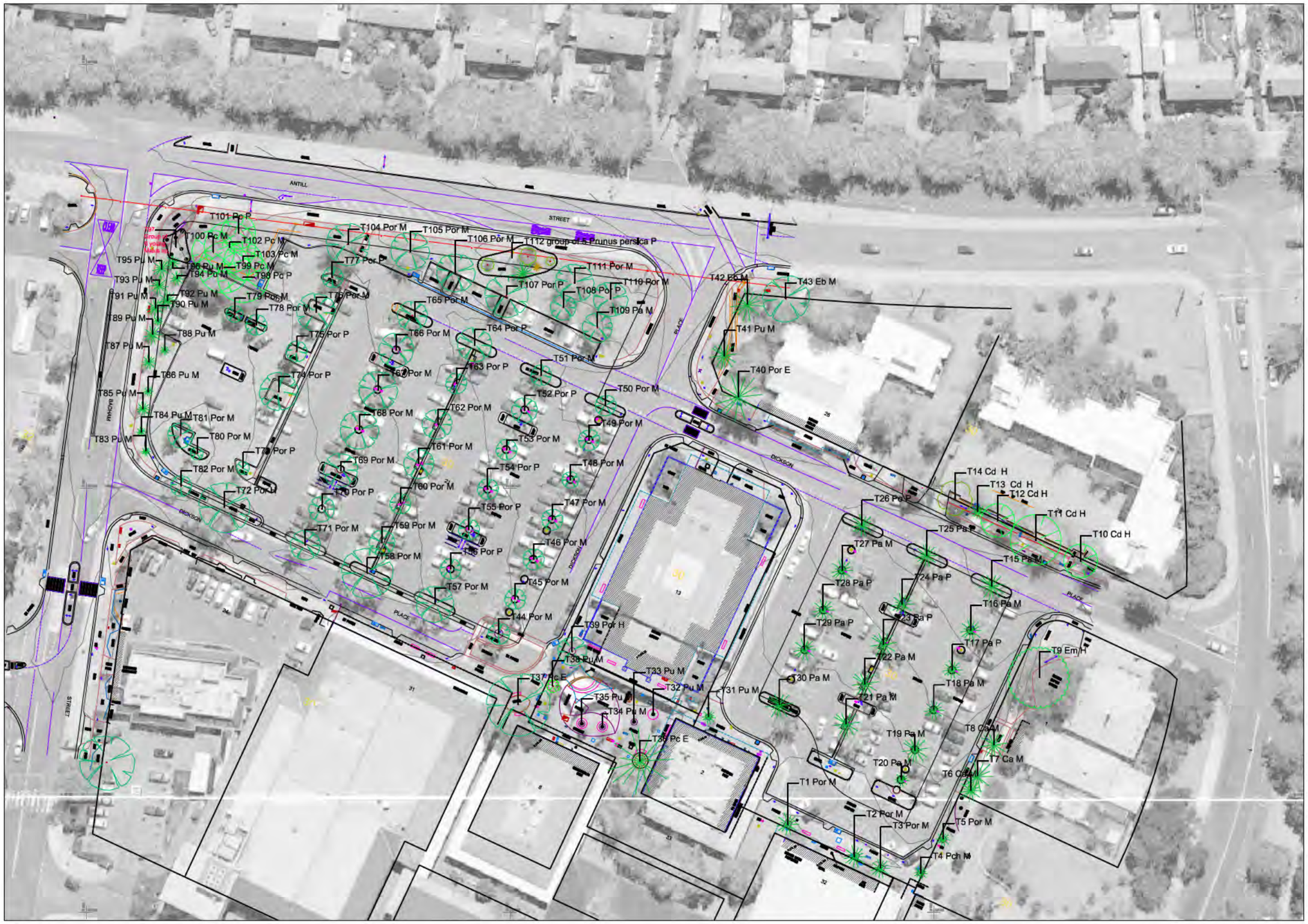
No significant habitat was observed.

19 Notes / Disclaimer

This report is to be utilised in its entirety only. Any written or verbal submission, report or presentation that includes statements taken from the findings, discussions, conclusions made in this report, may only be used where the whole of the original report (or copy) is referenced in, and directly attached to that submission, report or presentation.

Information contained in this report covers only those trees, which were examined, and reflects the condition of those trees at the time of inspection on Friday the 19th November 2010. The inspection was limited to visual examination, without dissection, excavation, probing or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the near future.

The findings of this report may not necessarily agree with reports prepared by others, including the Government Conservator of Trees.



LEGEND

Existing Tree

T1 Eb M

Existing tree with identifiers

T1 Tree Identification Number
Eb Tree Species Code
M Classification of Surveyed Trees

CLASSIFICATION OF SURVEYED TREES

E Exceptional value tree that must be retained with no disturbance. Mature specimen, grand appearance and stature. May have unusual character, or be a rare species well balanced. Little to no epicormic shoots.

H High value tree that must be retained with minimal disturbance. Mature specimen, good appearance and structure. Little to no epicormic shoots.

M Medium value tree where retention is desirable but may be considered for removal if all other design options are exhausted. Mature specimen. Some evidence of limb fall. Epicormics may be common. Dieback common

P Poor quality tree which may be removed. Significant dieback common. Decay/hollows common. Included bark forks common. May have a short life expectancy.

D Dead non-significant tree with low landscape impact. Trees surveyed but detailed assessment not undertaken.

KEY TO SPECIES

Ca	Celtis australis	Pch	Pistacia chinensis
Cd	Cedrus deodora	Pa	Platanus acerfolia
Em	Eucalyptus mannifera	Po	Platanus occidentalis
Ms	Malus Species	Por	Platanus orientalis
Pc	Pinus canariensis	Pp	Prunus persica
		Pu	Pyrus ussuriensis

SCALE = 1:500@A1

0 10m 20m 50m 100m

Issue	Date	Amendment
A	DEC 08	FOR APPROVAL

Notes

Development Team

Land Development Agency

Consultants

JEA Urban Planning + Landscape Architecture

BROWN CONSULTING

Project

CARPARK UPGRADE
BAMHAM STREET & ANTHILL STREET
DICKSON, ACT

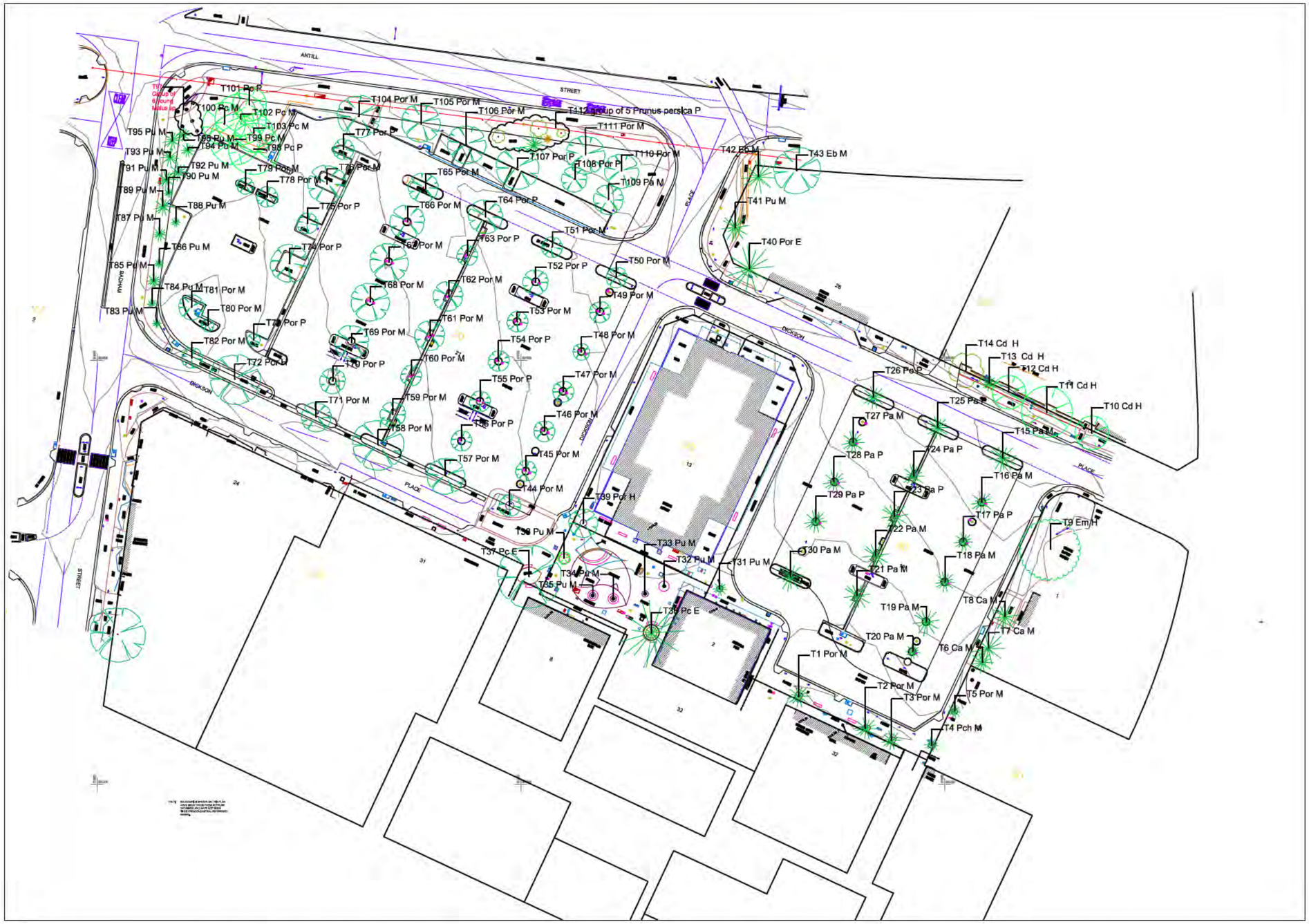
Drawing Title

Tree Assessment Plan

Sheet 1 of 1

Scale	1:500@A1
Drawn	GC
Checked	GC
Job No	J10-879
Drawing Number	TMP1
Plan No.	1 Issue A

N



LEGEND

Existing Tree

T1 Eb M
Existing tree with identifiers

T1 Tree Identification Number
Eb Tree Species Code
M Classification of Surveyed Trees

CLASSIFICATION OF SURVEYED TREES

E Exceptional value tree that must be retained with no disturbance. Mature specimen, grand appearance and stature. May have unusual character, or be a rare species well balanced. Little to no epicormic shoots.

H High value tree that must be retained with minimal disturbance. Mature specimen, good appearance and structure. Little to no epicormic shoots.

M Medium value tree where retention is desirable but may be considered for removal if all other design options are exhausted. Mature specimen. Some evidence of limb fall. Epicormics may be common. Dieback common

P Poor quality tree which may be removed. Significant dieback common. Decay/hollows common. Included bark forks common. May have a short life expectancy.

D Dead non-significant tree with low landscape impact. Trees surveyed but detailed assessment not undertaken.

KEY TO SPECIES

Ca	Celtis australis	Pch	Pistacia chinensis
Cd	Cedrus deodora	Pa	Platanus acerfolia
Em	Eucalyptus mannifera	Po	Platanus occidentalis
Ms	Malus Species	Por	Platanus orientalis
Pc	Pinus canariensis	Pp	Prunus persica
		Pu	Pyrus ussuriensis

SCALE = 1:500@A1

0 10m 20m 50m 100m

Issue	Date	Amendment
A	DEC 08	FOR APPROVAL

Notes

Development Team

Land Development Agency

Consultants

JEA Urban Planning + Landscape Architecture

BROWN

Project

CARPARK UPGRADE
BAMHAM STREET & ANTHILL STREET
DICKSON, ACT

Drawing Title

Tree Assessment Plan

Sheet 1 of 1

Scale	1:500@A1
Drawn	GC
Checked	GC
Job No	J10-879
Drawing Number	TMP1
Plan No.	1 Issue A

N

TREE ASSESSMENT

Dickson Shopping Centre Carpark **DATE: 19/11/2010**

Tree No.	Species	Av Ht (m)	Trunk circ	No. of trunks	Health	Tree surg	Crown diam	Exp longev.	find	TDA	Comments.
1	Platanus orientalis	8	600	1	G		5	M	M	N	1 m from building.
2	Platanus orientalis	14	650	1	G		5	M	M	Y	1 m from building.
3	Platanus orientalis	8	600	1	G		5	M	M	N	1 m from building.
4	Platanus orientalis	10	1150	1	P	LP	5	S	M	N	Poor form.
5	Platanus acerifolia	8	400	1	G		2	M	M	N	
6	Celtis australis	8	900	1	F		5	M	M	N	
7	Celtis australis	8	900	1	F		5	M	M	N	
8	Celtis australis	8	900	1	F		5	M	M	N	
9	Eucalyptus mannifera	17	2000	1	G		16	M	H	Y	Minor dead wood.
10	Cedrus deodara	15	1300	1	G		12	L	H	Y	0.5 m from building.
11	Cedrus deodara	15	160	1	G		12	L	H	Y	
12	Cedrus deodara	14	1300	1	G		12	L	H	Y	
13	Cedrus deodara	14	1300	1	G		10	L	H	Y	
14	Cedrus deodara	15	1600	1	G		11	L	H	Y	
15	Platanus acerifolia	8	900	1	F		9	M	M	N	Poor form.
16	Platanus acerifolia	8	800	1	F		6	M	M	N	
17	Platanus acerifolia	7	600	1	P		5	S	D	N	
18	Platanus acerifolia	6	600	1	P		4	S	D	N	
19	Platanus acerifolia	10	850	1	F		8	M	M	N	
20	Platanus acerifolia	5	500	1	F		3	M	M	N	
21	Platanus acerifolia	11	850	1	G		9	M	M	N	
22	Platanus acerifolia	8	800	1	F		7	M	M	N	
23	Platanus acerifolia	6	800	1	P		6	S	D	N	Dead leader.
24	Platanus acerifolia	7	800	1	P		6	S	D	N	Dead leader.
25	Platanus acerifolia	8	800	1	P		8	S	D	N	Dieback.
26	Platanus occidentalis	5	850	1	P		3	S	D	N	
27	Platanus acerifolia	9	750	1	F		6	M	M	N	
28	Platanus acerifolia	6	600	1	P		5	S	D	N	Dieback.
29	Platanus acerifolia	7	600	1	P		7	S	D	N	Dieback.
30	Platanus acerifolia	9	900	1	F		9	M	M	N	
31	Pyrus ussuriensis	4	300	1	G		3	M	M	N	
32	Pyrus ussuriensis	4	300	1	G		3	M	M	N	
33	Pyrus ussuriensis	4	300	1	G		3	M	M	N	
34	Pyrus ussuriensis	4	300	1	G		3	M	M	N	
35	Pyrus ussuriensis	4	300	1	G		3	M	M	N	

36	Platanus acerifolia	18	2200	1	E		16	L	E	Y	In raised bed.
37	Platanus acerifolia	19	2500	1	E		17	L	E	Y	In raised bed.
38	Pyrus ussuriensis	5	350	1	G		4	M	M	N	
39	Platanus orientalis	13	900	1	G		8	L	H	Y	
40	Platanus orientalis	17	1600	1	E		13	L	E	Y	
41	Platanus orientalis	9	900	1	P		5	S	M	N	
42	Platanus orientalis	8	700	1	F		7	M	M	N	
43	Platanus orientalis	8	750	1	P		6	S	M	N	Dieback.
44	Platanus orientalis	8	750	1	P		6	S	M	N	
45	Platanus orientalis	8	700	1	P		4	S	M	N	
46	Platanus orientalis	8	700	1	P		6	S	M	N	
47	Platanus orientalis	9	750	1	P		6	S	M	N	
48	Platanus orientalis	9	800	1	F		7	M	M	N	
49	Platanus orientalis	8	900	1	P		7	S	D	N	Dead main leader.
50	Platanus orientalis	9	800	1	F		7	S	M	N	Dieback.
51	Platanus orientalis	8	800	1	P		7	S	D	N	Severe dieback.
52	Platanus orientalis	6	800	1	P		8	S	D	N	Severe dieback.
53	Platanus orientalis	8	900	1	P		6	S	D	N	Severe dieback.
54	Platanus orientalis	11	850	1	F		9	M	M	N	
55	Platanus orientalis	11	1150	1	G		12	M	M	Y	
56	Platanus orientalis	8	800	1	P		7	S	M	N	
57	Platanus orientalis	6	800	1	P		7	S	M	N	
58	Platanus orientalis	7	650	1	P		7	S	M	N	
59	Platanus orientalis	7	750	1	P		7	S	M	N	
60	Platanus orientalis	7	750	1	P		3	S	D	N	Dead main leader.
61	Platanus orientalis	6	850	1	P		6	S	D	N	Dead main leader.
62	Platanus orientalis	9	850	1	P		7	S	M	N	
63	Platanus orientalis	9	900	1	P		7	S	M	N	
64	Platanus orientalis	10	950	1	P		8	S	M	N	
65	Platanus orientalis	10	950	1	P		8	S	M	N	
66	Platanus orientalis	11	950	1	F		8	M	M	N	
67	Platanus orientalis	7	1300	1	P		5	S	D	N	Many epicormics.
68	Platanus orientalis	10	1100	1	F		6	M	M	N	
69	Platanus orientalis	16	1800	1	G		16	L	H	Y	Attractive buttress roots.
70	Platanus orientalis	6	300	1	P		2	S	D	N	
71	Platanus orientalis	11	1300	1	P		10	S	D	N	Epicormics and dieback.
72	Platanus orientalis	9	1000	1	P		5	S	D	N	

73	Platanus orientalis	11	1000	1	F		7	M	M	N	
74	Platanus orientalis	7	900	1	P		4	S	D	N	
75	Platanus orientalis	4	350	1	F		2	S	M	N	
76	Platanus orientalis	4	350	1	F		2	S	M	N	
77	Platanus orientalis	4	350	1	F		2	S	M	N	
78	Platanus orientalis	8	600	1	G		4	M	M	N	
79	Platanus orientalis	6	450	1	F		5	M	M	N	
80	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
81	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
82	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
83	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
84	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
85	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
86	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
87	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
88	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
89	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
90	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
91	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
92	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
93	Pyrus ussuriensis	3	200	1	G		2	M	M	N	Young trees.
94	Malus sp.	2	100	1	F		2	S	M	N	Small young trees.
95	Pinus canariensis	15	1700	1	P		11	S	D	Y	Very poor condition and leaning.
96	Pinus canariensis	15	1700	1	F		10	M	M	Y	
97	Pinus canariensis	18	1700	1	F		11	M	M	Y	Double leader at 10 m.
98	Pinus canariensis	17	2800	2	P		13	S	D	Y	Trunk rot and leaning.
99	Pinus canariensis	16	1300	1	F		9	M	M	Y	Near power lines.
100	Pinus canariensis	16	1400	1	F		9	M	M	Y	
101	Platanus orientalis	14	1500	1	G		11	M	M	Y	Near power lines, unbalanced.
102	Platanus orientalis	8	1200	1	F		8	M	M	N	Near power lines, unbalanced.
103	Platanus orientalis	11	1400	1	F		8	M	M	N	
104	Platanus orientalis	14	1300	1	P		7	S	D	Y	Severe dieback.
105	Platanus orientalis	11	1200	1	P		6	S	D	Y	Severe dieback.
106	Platanus acerifolia	11	900	1	F		8	S	M	N	
107	Platanus orientalis	12	1200	1	F		9	S	M	Y	
108	Platanus orientalis	14	1500	1	F		10	M	M	Y	
109	Prunus persica	2						S	D	N	Four trees, almost dead.