

Palmerston North City Council

Notable Tree Survey March and April 2011

Address	166 Cambridge Avenue, Ashurst	
Tree name	Italian Cypress (<i>Cupressus sempervirens</i>)	
Location of the tree on the site	Front fence. There are two trees. One is well shaped and spire-like and is the subject of this assessment. The other is short and poorly formed – see photos.	
Owner's name		
Date of Inspection	1 April 2011	Inspected by John Wakeling

Dimensions

Height m: 16	Girth @ 1.4m: multi to 3m	Spread m: 6
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Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very Good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21
Vigour & Vitality	Poor	Some	Good	Very Good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (years)	10+	20+	40+	80+	100+	15
Stature (m)	3-8m	9 - 14m	15 - 20m	21 - 26	27+	15
Subtotal						102

Amenity Evaluation

Points	3	9	15	21	27	Score
Public Accessibility	Private	Visible from Road	Front Yard	Semi Public	Public (free access)	21
Visibility	No view	Visible from local road	Visible from collector rd	Visible from principal rd	Visible from arterial rd	21
Proximity	Forest	Parkland	Group of 10+	Group of 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Effect on Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal						87

Notable Evaluation

Recognition Points	3	9	15	21	27	Score
Stature						
Feature	Local	District	Regional	National	International	
Form	Local	District	Regional	National	International	
Historic						
Age 100+	Local	District	Regional	National	International	
Association	Local	District	Regional	National	International	
Commemoration	Local	District	Regional	National	International	
Remnant	Local	District	Regional	National	International	
Relict	Local	District	Regional	National	International	
Scientific						
Source	Local	District	Regional	National	International	
Rarity	Local	District	Regional	National	International	
Endangered	Local	District	Regional	National	International	
Subtotal						0

Total Points

189

Inspection Report

Requested for/by	Routine	Storm Damage	Owner	Developer	DP Review	
Pruning History						
Built Environment	Small tight dev'pment	Standard suburban	Large house and grounds	Other (describe)		
Garden environment	Solo tree	Few trees	Many trees	Mainly exotic/native		
Local Environment	Few trees	Some trees	Well treed neighbourhood			
Age Class	young	Semi mature	Mature	Post mature		
Special value	Horticultural	Landscape	Specimen	Historical	Botanical	
Structural Character	Single leader	Double leader	Multi-stemmed	Included bark unions	Typical	Atypical
Form	Refer to STEM scoresheet					
Crown Shape	Typical	Atypical	Wide/spreading/low crown	Influenced by wind	Affected by other trees	
Foliage Health	Good	Poor, if so, explain				
Limb Structure	Typical sound	or Atypical, if so, explain				
Trunk character	There is only a very short trunk before it develops into a multi stem crown, well anchored					
Root Zone	Garden	Natural	Lawn/paddock	U/g services apparent?	Hard surface, if so, explain	
Comments	I consider that only the best tree be included in the register this time. The larger and better specimen is suitable to be retained on the register, but not the smaller tree. It is unusual to see the variations between the two trees becoming more exaggerated as the years go by. They were fairly similar when I first inspected them.					

Maintenance Required

Category	Priority	Recommended Action	Timing (from April 2011)	Actioned	Completed
Amenity	-				
Health	-				
Safety	-				
Overhanging b'dry	-	Trim the crown back from the footpath	Within the next 3 years		

Standard procedures	Deadwood – crown lift – reduced crown width – thin crown – height reduction (not rec'nded for notable trees) - other
Special Measures and recommendations	Mulch base – irrigate – improve drainage – underplant – cable brace - other
Timeline	Now - 5 years - 5 yearly - As required

Changes noticed in last five years	Die-back/health – developments nearby – section subdivided and new house built – no effect on either tree. The difference between the two trees has increased over the last 8 years or so.
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Photographs.



Figure 1. the two trees



Figure 2. the wounds in the trunk have not changed in 8 years.; healing well.



Figure 3. trunk of the protected tree.

Palmerston North City Council

Notable Tree Survey March and April 2011

Address	283 Cambridge Ave, Ashurst	
Tree name	Lime (<i>Tilia platyphyllos</i>)	
Location of the tree on the site	Front garden, close to the house	
Owner's name		
Date of Inspection	1 April 2011	Inspected by John Wakeling

Dimensions

Height m: 15	Girth @ 1.4m: 3.18	Spread m: 13
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Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very Good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very Good	Excellent	27
Function	Minor	Useful	Important	Significant	Major	9
Age (years)	10+	20+	40+	80+	100+	15
Stature (m)	3-8m	9 - 14m	15 - 20m	21 - 26	27+	15
Subtotal						102

Amenity Evaluation

Points	3	9	15	21	27	Score
Public Accessibility	Private	Visible from Road	Front Yard	Semi Public	Public (free access)	15
Visibility	No view	Visible from local road	Visible from collector rd	Visible from principal rd	Visible from arterial rd	21
Proximity	Forest	Parkland	Group of 10+	Group of 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Effect on Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal						81

Notable Evaluation

Recognition Points	3	9	15	21	27	Score
Stature						
Feature	Local	District	Regional	National	International	
Form	Local	District	Regional	National	International	
Historic						
Age 100+	Local	District	Regional	National	International	
Association	Local	District	Regional	National	International	
Commemoration	Local	District	Regional	National	International	
Remnant	Local	District	Regional	National	International	
Relict	Local	District	Regional	National	International	
Scientific						
Source	Local	District	Regional	National	International	3
Rarity	Local	District	Regional	National	International	
Endangered	Local	District	Regional	National	International	
Subtotal						3

Total Points

186

Inspection Report

Requested for/by	Routine	Storm Damage	Owner	Developer	DP Review	
Pruning History	Stem suckers removed from lower trunk					
Built Environment	Small tight dev'pment	Standard suburban	Large house and grounds	Other (describe)		
Garden environment	Solo tree	Few trees	Many trees	Mainly exotic/native		
Local Environment	Few trees	Some trees	Well treed neighbourhood			
Age Class	young	Semi mature	Mature	Post mature		
Special value	Horticultural	Landscape	Specimen	Historical	Botanical	
Structural Character	Single leader	Double leader	Multi-stemmed	Included bark unions	Typical	Atypical
Form	Refer to STEM scoresheet					
Crown Shape	Typical	Atypical	Wide/spreading/low crown	Influenced by wind	Affected by other trees	
Foliage Health	Good	Poor, if so, explain				
Limb Structure	Typical sound	or Atypical, if so, explain				
Trunk character	Strong, stout, good buttresses to root collar.					
Root Zone	Garden	Natural	Lawn/paddock	U/g services apparent?	Hard surface, if so, explain	
Comments						

Maintenance Required

Category	Priority	Recommended Action	Timing (from April 2011)	Actioned	Completed
Amenity	Routine	Thin crown, lift over house	5 years		
Health	-				
Safety	-				
Overhanging b'dry	-				

Standard procedures	Deadwood – crown lift – reduced crown width – thin crown – height reduction (not rec'nded for notable trees) - other
Special Measures and recommendations	Mulch base – irrigate – improve drainage – underplant – cable brace - other
Timeline	Now - 5 years - 5 yearly - As required

Changes noticed in last five years	The tree is continuing to grow well.
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Photographs.



Figure 1 The tree from Cambridge Ave.



Figure 2. The tree and house



Figure 3. the trunk well shaped branch forks.

Palmerston North City Council.

Notable Tree Survey March 2011

Address	98 church Street
Tree Name	Oak (<i>Quercus robur</i>)
Location of Tree(s) on Site	Front yard
Owners' Name	
Date of Inspection	8 March 2011

Dimensions		
Height: 16	Girth @ 1.4m: 3.10	Spread: 16

Condition Evaluation						
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very rare	9
Vigour and Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (years)	10+	20+	40+	80+	100+	27
Stature (m)	3 - 8	9 to 14	15 to 20	21 to 26	27+	15
Subtotal Points						96

Amenity Evaluation						
Points	3	9	15	21	27	Score
Public Accessibility	Private	Visible from Road	Front Yard	Semi Public	Public (free access)	15
Visibility (from 1km)	No view	Visible from Local Rd	Visible from Collector Rd	Visible from Principal Rd	Visible from Arterial Rd	21
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Effect on Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						81

Notable Evaluation						
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
Feature	Local	District	Regional	National	International	
Form	Local	District	Regional	National	International	
Historic						
Age 100+	Local	District	Regional	National	International	3
Association	Local	District	Regional	National	International	
Commemoration	Local	District	Regional	National	International	
Remnant	Local	District	Regional	National	International	
Relict	Local	District	Regional	National	International	
Scientific						
Source	Local	District	Regional	National	International	
Rarity	Local	District	Regional	National	International	
Endangered	Local	District	Regional	National	International	
Subtotal Points						3

Total Points 180

The Standard Tree Assessment Method (STEM) [Author: Ron Flook] Modified PNCC

Palmerston North City Council, Notable Tree Survey 2011

NEW TREE PROPOSED BY: Mr. Reilly

COMMENTS/REASON FOR PROPOSAL: February 2011

ASSESSORS' NOTES: I Met Mr. Reilly on site. He was able to tell me some of the history of the house and tree. The tree predates the house, which was built in 1910.

Damage (old and recent) : probably some when the new house went in next door (96 Church Street).

Threats: no obvious threats

Potential development nearby?:the neighbouring property has been subdivided and developed.

Suggested care and maintenance:

Routine: deadwood removal is recommended every five years or so, this tree is inclined to have a low crown, so some crown lifting may be required over the footpath. The wide spreading crown will need to be reduced some time in the next 15 years this is not necessary at present – Mr. Reilly stated he liked the privacy. reduce crown width.

Special measures and recommendations: the root growth environment is ideal for healthy tree growth. No changes needed.

Palmerston North City Council, Notable Tree Survey 2011



Figure 1 98 Church Street



Figure 2

Palmerston North City Council, Notable Tree Survey 2011



Figure 3. Stable Crown

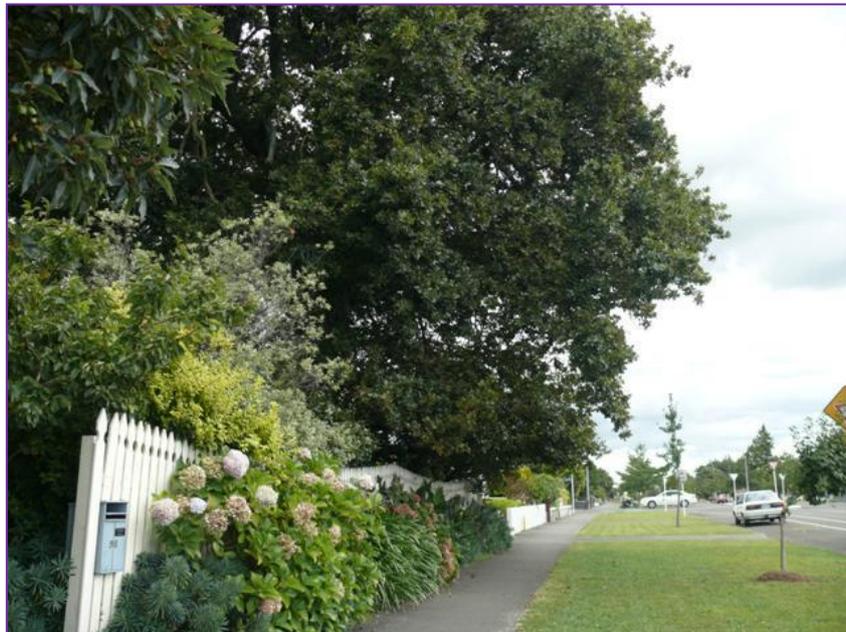


Figure 4 Overhanging canopy

Palmerston North City Council

Notable Tree Survey March and April 2011

hAddress	313 Church Street	
Tree name	Rata (<i>Metrosideros robusta</i>)	
Location of the tree on the site	Alongside the office carpark; separated from the public car park by chain link fence.	
Owner's name		
Date of Inspection	29 March 2011	Inspected by John Wakeling

Dimensions

Height m: 10	Girth @ 1.4m: at least 8 stems of 500mm	Spread m: 11
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Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very Good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very Good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (years)	10+	20+	40+	80+	100+	15
Stature (m)	3-8m	9 - 14m	15 - 20m	21 - 26	27+	9
Subtotal						90

Amenity Evaluation

Points	3	9	15	21	27	Score
Public Accessibility	Private	Visible from Road	Front Yard	Semi Public	Public (free access)	21
Visibility	No view	Visible from local road	Visible from collector rd	Visible from principal rd	Visible from arterial rd	21
Proximity	Forest	Parkland	Group of 10+	Group of 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Effect on Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal						87

Notable Evaluation

Recognition Points	3	9	15	21	27	Score
Stature						
Feature	Local	District	Regional	National	International	
Form	Local	District	Regional	National	International	
Historic						
Age 100+	Local	District	Regional	National	International	
Association	Local	District	Regional	National	International	
Commemoration	Local	District	Regional	National	International	
Remnant	Local	District	Regional	National	International	
Relict	Local	District	Regional	National	International	
Scientific						
Source	Local	District	Regional	National	International	
Rarity	Local	District	Regional	National	International	
Endangered	Local	District	Regional	National	International	
Subtotal						0

Total Points

177

Inspection Report

Requested for/by	Routine	Storm Damage	Owner	Developer	DP Review
Pruning History	Some crown lifting but no major work has ever been necessary				
Built Environment	Small tight dev'pment	Standard suburban	Large house and grounds	Office and carparking	
Garden environment	Solo tree	Few trees	Many trees	Mainly exotic/native	
Local Environment	Few trees	Some trees		Well treed neighbourhood	
Age Class	young	Semi mature	Mature	Post mature	
Special value	Horticultural	Landscape	Specimen	Historical	Botanical
Structural Character	Single leader	Double leader	Multi-stemmed	Included bark unions	Typical Atypical
Form	Refer to STEM scoresheet				
Crown Shape	Typical	Atypical	Wide/spreading/low crown	Influenced by wind	Affected by other trees
Foliage Health	Good	Poor, if so, explain			
Limb Structure	Typical or sound	Atypical, if so, explain			
Trunk character	Typical multi stems – all appear to be stable at present – in a few years, the outer limbs will begin to slowly bend earthwards – attention to pruning procedures will be important.				
Root Zone	Garden	Natural	Lawn/paddock	U/g services apparent?	Hard surface, if so, explain – carparking right up to the base. The roots have subverted the integrity of the tarseal
Comments	<p>The tree is accompanied by trees on the other side of the fence, making a little group divided by th fence. This group could become an interesting feature as the trees mature and their shapes develop. It will require cross boundary cooperation.</p> <p>It would be good to see a better treatment of the root growth zone, with a shrub bed and mulch.</p>				

Maintenance Required

Category	Priority	Recommended Action	Timing (from April 2011)	Actioned	Completed
Amenity	routine	Lift lower parts of the crown as required	No more than 5 yearly		
Health	Recommended	Remove carparks to the left and right of the base of the tree and install a slightly raised, mulched bed with native shrubs under.	asap		
Safety					
Overhanging b'dry	Work towards integrating the management of group of trees, so that overhanging is not an issue.				

Standard procedures	Deadwood – crown lift – reduced crown width – thin crown – height reduction (not rec'nded for notable trees) - other
Special Measures and recommendations	Mulch base – irrigate – improve drainage – underplant – cable brace - other
Timeline	Now - 5 years - 5 yearly - As required

Changes noticed in last five years

Die-back/health – developments nearby – excavations nearby

Photographs.



Figure 1. the car parks either side of the will eventually have a n adverse effect on the health of the tree



Figure 2. the Rata and golden totara are growing well together at present – time and comparative growth rates will determine the success or otherwise of their juxtaposition.

Palmerston North City Council

Notable Tree Survey March and April 2011

Address	512 Church Street	
Tree name	Norfolk Island Pine (<i>Araucaria heterophylla</i>)	
Location of the tree on the site	Front garden	
Owner's name		
Date of STEM Assessment	11 May 2011	Inspected by John Wakeling

Dimensions

Height m: 17	Girth @ 1.4m: 1.7	Spread m: 8
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Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very Good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very Good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (years)	10+	20+	40+	80+	100+	15
Stature (m)	3-8m	9 - 14m	15 - 20m	21 - 26	27+	15
Subtotal						90

Amenity Evaluation

Points	3	9	15	21	27	Score
Public Accessibility	Private	Visible from Road	Front Yard	Semi Public	Public (free access)	15
Visibility	No view	Visible from local road	Visible from collector rd	Visible from principal rd	Visible from arterial rd	15
Proximity	Forest	Parkland	Group of 10+	Group of 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Effect on Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal						75

Notable Evaluation

Recognition Points	3	9	15	21	27	Score
Stature						
Feature	Local	District	Regional	National	International	
Form	Local	District	Regional	National	International	
Historic						
Age 100+	Local	District	Regional	National	International	
Association	Local	District	Regional	National	International	
Commemoration	Local	District	Regional	National	International	
Remnant	Local	District	Regional	National	International	
Relict	Local	District	Regional	National	International	
Scientific						
Source	Local	District	Regional	National	International	
Rarity	Local	District	Regional	National	International	
Endangered	Local	District	Regional	National	International	
Subtotal						0

Total Points

165

Inspection Report

Requested for/by	Routine	Storm Damage	Owner	Developer	DP Review	
Pruning History	Only crown lifting to about 3m					
Built Environment	Small tight dev'pment	Standard suburban	Large house and grounds	Other (describe)		
Garden environment	Solo tree	Few trees	Many trees	Mainly exotic/native		
Local Environment	Few trees	Some trees (Street Trees)		Well treed neighbourhood		
Age Class	young	Semi mature	Mature much potential for more growth	Post mature		
Special value	Horticultural	Landscape	Specimen	Historical	Botanical	
Structural Character	Single leader	Double leader	Multi-stemmed	Included bark unions	Typical	Atypical
Form	Refer to STEM score sheet					
Crown Shape	Typical	Atypical	Wide/spreading/low crown	Influenced by wind	Affected by other trees	
Foliage Health	Good	Poor, if so, explain				
Limb Structure	Typical or sound	Atypical, if so, explain				
Trunk character	typical					
Root Zone	Garden	Natural	Lawn (level beneath the crown raised by root activity)	U/g services apparent?	Hard surface, if so, explain	
Comments						

Maintenance Required

Category	Priority	Recommended Action	Timing (from April 2011)	Actioned	Completed
Amenity		No special action needed, raise the crown as and when the lower branches drop too low to the ground	5 yearly		
Health					
Safety					
Overhanging b'dry					

Standard procedures

Deadwood – crown lift – reduced crown width – thin crown – height reduction (not rec'd for notable trees) - other

Special Measures and recommendations

Mulch base – irrigate – improve drainage – underplant – cable brace - other

Timeline

Now - 5 years - 5 yearly - As required

Photographs.



Figure 1, The house and tree on a grey day



Figure 2, raised ground levels over the roots



Figure 3, Raised soil levels



Figure 4, the tree and its environment

Palmerston North City Council

Notable Tree Survey March and April 2011

Address	318 College Street	
Tree name	Oak (<i>Quercus robur</i>)	
Location of the tree on the site	Front garden	
Owner's name		
Date of STEM Assessment	29 March 2011	Inspected by John Wakeling

Dimensions

Height m: 25	Girth @ 1.4m: 3.97	Spread m: 17
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Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very Good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very Good	Excellent	27
Function	Minor	Useful	Important	Significant	Major	9
Age (years)	10+	20+	40+	80+	100+	27
Stature (m)	3-8m	9 - 14m	15 - 20m	21 - 26	27+	21
Subtotal						120

Amenity Evaluation

Points	3	9	15	21	27	Score
Public Accessibility	Private	Visible from Road	Front Yard	Semi Public	Public (free access)	15
Visibility	No view	Visible from local road	Visible from collector rd	Visible from principal rd	Visible from arterial rd	15
Proximity	Forest	Parkland	Group of 10+	Group of 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	21
Effect on Climate	Minor	Moderate	Important	Significant	Major	21
Subtotal						93

Notable Evaluation

Recognition Points	3	9	15	21	27	Score
Stature						
Feature	Local	District	Regional	National	International	
Form	Local	District	Regional	National	International	
Historic						
Age 100+	Local	District	Regional	National	International	3
Association	Local	District	Regional	National	International	
Commemoration	Local	District	Regional	National	International	
Remnant	Local	District	Regional	National	International	
Relict	Local	District	Regional	National	International	
Scientific						
Source	Local	District	Regional	National	International	
Rarity	Local	District	Regional	National	International	
Endangered	Local	District	Regional	National	International	
Subtotal						3

Total Points

216

Inspection Report

Requested for/by	Routine	Storm Damage	Owner	Developer	DP Review
Pruning History	Some old pruning and crown lifting				
Built Environment	Small tight dev'pment	Standard suburban	Large house and grounds	Other (describe)	
Garden environment	Solo tree	Few trees	Many trees	Mainly exotic/native	
Local Environment	Few trees	Some trees	Well treed neighbourhood		
Age Class	young	Semi mature	Mature	Post mature	
Special value	Horticultural	Landscape	Specimen	Historical	Botanical
Structural Character	Single leader	Double leader	Multi-stemmed	Included bark unions	Typical Atypical
Form	Refer to STEM score sheet				
Crown Shape	Typical	Atypical	Wide/spreading/low crown	Influenced by wind. Heavily weighted to leeward	Affected by other trees
Foliage Health	Good	Poor, if so, explain			
Limb Structure	Typical or sound	Atypical, if so, explain			
Trunk character	Well buttressed, cylindrical				
Root Zone	Garden	Natural	Lawn/paddock	U/g services apparent?	Hard surfaces - footpath on other side of the fence
Comments	A huge specimen, in good health. The leeward side is somewhat over-weighted				

Maintenance Required

Category	Priority	Recommended Action	Timing (from April 2011)	Actioned	Completed
Amenity	Routine,	Crown lifting	As required		
Health	-				
Safety	occasional	Reduce the canopy on the leeward	Every 10 years or so		
Overhanging b'dry	-				

Standard procedures

Deadwood – crown lift – reduced crown width – thin crown – height reduction (not rec'nded for notable trees) - other

Special Measures and recommendations

Mulch base – irrigate – improve drainage – underplant – cable brace - other

Timeline

Now - 5 years - 5 yearly - As required

Changes noticed in last five years	No changes to health of the tree
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Photographs.



Figure 1. note wind-pruned shape



Figure 2, the trunk and the garden conditions



Figure 3, the tree and the garden