



ARBORICULTURAL DEVELOPMENT IMPACT ASSESSMENT REPORT

2 Cavill Avenue, Ashfield NSW

REVISION A
11th of May 2021

Prepared for
Shayher Group

Prepared by

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Executive Summary

This Arboricultural Development Impact Assessment Report has been commissioned by Shayher Group to report on three trees within the site of 2 Cavill Avenue, Ashfield NSW. The subject trees are located within the existing garden adjacent to the boundaries of this site. This site is currently commercial properties with existing commercial building present. The site is proposed for redevelopment including the demolition of existing buildings and building of new commercial buildings, entry roads, pedestrian links and associated landscape works. In the vicinity of the existing trees there is a pedestrian podium and entry stairs proposed. This report has been commissioned to outline the health, condition and stability of these trees as well as their viability for retention. The scope of this report includes three trees within the garden area at the corner of Cavill Avenue and Liverpool Road, Ashfield.

The subject trees are preserved by Inner City Council Development Control Plans.

The subject trees are in good health and condition with no visible structural defects.

Based on assessment of the revised construction detail which has no paved podium within the Tree Protection Zones (TPZ) of these trees and all paved areas within the TPZ to be on suspended slabs with no excavation within the TPZ, the TPZ are encroached by the proposed basement level earthworks by a minor encroachment as defined by *AS4970-2009 Protection of Trees on Development Sites*. These trees will remain viable to be retained and protected in accordance with 8.0 under the proposed development.

The proposed building façade will encroach within the crown of the tree by approximately between 10%-30% of the volume of the canopy on this side of the tree. This may be exacerbated by the requirement for construction scaffold and hoardings. This canopy encroachment will require canopy reduction pruning on the building side of the tree. This canopy reduction pruning will leave the crown of these subject trees unbalanced and with a poor form. The scaffold design is to minimise the impact on the canopy. Once the scaffold design is complete a Pruning Specification is to be produced by the Site Arborist to ensure that the canopy reduction pruning is strictly in accordance with *AS4373-2007 Pruning of Amenity Trees* to minimise the extent of canopy reduction and minimise epicormic growth.

Recommendations for tree retention or removal are summarised as follows:

Tree no.	Species	Recommendations	Comments
23.	<i>Platanus x hybrida</i>	Retain	Retain and protect in accordance with 8.0.
24.	<i>Platanus x hybrida</i>	Retain	Retain and protect in accordance with 8.0.
25.	<i>Platanus x hybrida</i>	Retain	Retain and protect in accordance with 8.0.

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1.0 Scope of Works

This Arboricultural Development Impact Assessment Report has been commissioned by Shayher Group to report on three trees within the site of 2 Cavill Avenue, Ashfield NSW . It has been commissioned to outline the health, condition and stability of these trees as well as their viability for retention. The scope of this report includes three trees within the garden area at the corner of Cavill Avenue and Liverpool Road, Ashfield.

On the 16th of April 2021 , Glenn Bird of Birds Tree Consultancy attended site and inspected the subject trees from the ground. There was no aerial inspection carried out. A Visual Tree Assessment was undertaken in accordance with Visual Tree Assessment (VTA) guidelines (Mattheck and Breloer, 1994). Tree heights were measured using a Nikon Forestry 550 Heightmeter.

2.0 Site Analysis

2.1 Site

The subject site is 2 Cavill Avenue, Ashfield NSW . The subject trees are located within the existing garden adjacent to the boundaries of this site. This site is currently commercial properties with exiting commercial building present. The site is proposed for redevelopment including the demolition of existing buildings and building of new commercial buildings, entry roads, pedestrian links and associated landscape works. In the vicinity of the existing trees there is a pedestrian podium and entry stairs proposed.

2.2 Documentation

This Development Impact Assessment Report has been compiled based on the following documentation provided:

1. PTW Architects DA 101 Revision C Dated 29/04/2021

2.3 Topography

The subject trees are located in an existing garden bed and the area is relatively flat. There is a boundary masonry wall. Refer to detailed survey for detailed levels.

2.4 Identification

Trees are as identified in the attached inspection forms in Appendix C and shown in Tree location Plan A01 in Appendix D. The subject trees have previously been assessed and Tree Numbering has been retained from this previous report.

2.5 Soils

Soil material and horizons were not tested for this report.

3.0 Existing Trees

The following trees were inspected from the ground and the following items identified. Please refer also to the attached inspection data in Appendix C.

3.1. Tree 23. *Platanus x hybrida*

This mature tree is approximately 13m tall with a canopy spread of 15m. It has a single trunk with a diameter at breast height (DBH) of 600mm. The canopy is unbalanced to the south due to crowding. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.2. Tree 24. *Platanus x hybrida*

This mature tree is approximately 24m tall with a canopy spread of 18m. It has a single trunk with a DBH of 760mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

3.3. Tree 25. *Platanus x hybrida*

This mature tree is approximately 22m tall with a canopy spread of 18m. It has a single trunk with a DBH of 670mm. This tree is in good health and condition with minimal deadwood and epicormic growth.

4.0 Landscape Significance of Trees

4.1 Landscape Significance

The significance of a tree within the landscape is a factor of the health and condition of the tree, vitality, the form of the tree, environmental, cultural, amenity and heritage value.

4.2 Methodology of Determining Landscape Significance

For the purpose of this report, the Significance of a Tree, Assessment Rating System (STARS) as developed by the Institute of Australian Consulting Arborists (IACA) has been implemented. Please refer to Appendix A for greater detail of this assessment system. This system defines Landscape Significance for individual trees as High, Medium or Low Significance.

4.3 Landscape Significance of Subject Trees

Based on our assessment of the subject trees and implementation of the IACA Significance of a Tree, Assessment Rating System, the Landscape Significance of the Subject Trees was determined as shown in Table 1.

Tree no.	Species	Landscape Significance
23.	<i>Platanus x hybrida</i>	High
24.	<i>Platanus x hybrida</i>	High
25.	<i>Platanus x hybrida</i>	High

Table 1 - Landscape Significance

5.0 Subject Tree Retention Value

5.1 Tree Retention Value Methodology

For the purpose of this report, the Tree Retention Values have been assessed by incorporating Landscape Significance Values as determined in 4.0 with the Useful Life Expectancy of the subject trees and assessing the retention values based on the Tree Retention Value Priority Matrix as developed by the Institute of Australian Consulting Arborists (IACA). Please refer to Appendix B for greater detail of this Tree Retention Value Priority Matrix. This matrix defines Landscape Significance for individual trees as High, Medium or Low Retention Value as well as Priority for Removal.

5.2 Retention Value of Subject Trees

Based on our assessment of the subject trees and implementation of the IACA Tree Retention Value Priority Matrix, the Retention Values of the Subject Trees were determined as shown in Table 2.

Tree no.	Species	Retention Value
123.	<i>Platanus x hybrida</i>	High
124.	<i>Platanus x hybrida</i>	high
125.	<i>Platanus x hybrida</i>	High

Table 2 – Tree Retention Value

6.0 Impact of Development

6.1 Tree Protection Zone

Tree Protection Zones (TPZs) have been defined for the subject trees in order to define the encroachment of the proposed development in accordance with AS4970-2009. The TPZs required have been taken as a circular area with a radius 12 x the diameter at breast height of the tree. This requirement is in line with Australian Standard AS 4970-2009 Protection of Trees on Development Sites. This standard defines a maximum of 10% encroachment to be minimal encroachment. Any encroachment over 10% requires the site arborist to give consideration as to the viability of the tree due to the proposed development.

6.2 Structural Root Zone

Structural Root Zone (SRZs) are defined by AS4970-2009 as the area of root development required for the structural stability of the tree. The SRZ is required to be assessed only when an encroachment greater than 10% is considered.

Tree no.	Species	TPZ Radius (m)	Encroachment (%)	SRZ Radius (m)
23.	<i>Platanus x hybrida</i>	7.2	5%	2.76
24.	<i>Platanus x hybrida</i>	9.12	10%	3.01
25.	<i>Platanus x hybrida</i>	8.04	7%	2.93

6.3 Development Impact

6.3.1. Tree 23. *Platanus x hybrida*

The Tree Protection Zone (TPZ) of this tree in accordance with AS 4970-2009 Protection of Trees on Development Sites will be encroached by the proposed excavation for the basement level by 5% which is less than the minor encroachment as defined by AS 4970-2009. All proposed pavement within the TPZ is to be on a suspended slab with no excavation within the TPZ and therefore there will be no additional impact on the root system within the TPZ. The proposed building façade will encroach within the crown of the tree by approximately 2m which will require canopy reduction pruning of between 10%-20% of the volume of the canopy on this side of the tree.

6.3.2. Tree 24. *Platanus x hybrida*

The Tree Protection Zone (TPZ) of this tree in accordance with AS 4970-2009 Protection of Trees on Development Sites will be encroached by the proposed excavation for the basement level by 10% which is equal to the minor encroachment as defined by AS 4970-2009. All proposed pavement within the TPZ is to be on a suspended slab with no excavation within the TPZ and therefore there will be no additional impact on the root system within the TPZ. The proposed building façade will encroach within the crown of the tree by approximately 3.5m which will require canopy reduction pruning of between 20%-30% of the volume of the canopy on this side of the tree.

6.3.3. Tree 25. *Platanus x hybrida*

The Tree Protection Zone (TPZ) of this tree in accordance with AS 4970-2009 Protection of Trees on Development Sites will be encroached by the proposed excavation for the basement level by 7% which is less than the minor encroachment as defined by AS 4970-2009. All proposed pavement within the TPZ is to be on a suspended slab with no excavation within the TPZ and therefore there will be no additional impact on the root system within the TPZ. The proposed building façade will encroach within the crown of the tree by approximately 3m which will require canopy reduction pruning of between 10%-20% of the volume of the canopy on this side of the tree.

7.0 Recommendations

The subject trees are preserved by Inner City Council Development Control Plans.

The subject trees are in good health and condition with no visible structural defects.

Based on assessment of the revised construction detail which has no paved podium within the Tree Protection Zones (TPZ) of these trees and all paved areas within the TPZ to be on suspended slabs with no excavation within the TPZ, the TPZ are encroached by the proposed basement level earthworks by a minor encroachment as defined by *AS4970-2009 Protection of Trees on Development Sites*. These trees will remain viable to be retained and protected in accordance with 8.0 under the proposed development.

The proposed building façade will encroach within the crown of the tree by approximately between 10%-30% of the volume of the canopy on this side of the tree. This may be exacerbated by the requirement for construction scaffold and hoardings. This canopy encroachment will require canopy reduction pruning on the building side of the tree. This canopy reduction pruning will leave the crown of these subject trees unbalanced and with a poor form. The scaffold design is to minimise the impact on the canopy. Once the scaffold design is complete a Pruning Specification is to be produced by the Site Arborist to ensure that the canopy reduction pruning is strictly in accordance with *AS4373-2007 Pruning of Amenity Trees* to minimise the extent of canopy reduction and minimise epicormic growth.

Recommendations for tree retention or removal are summarised as follows:

Tree no.	Species	Recommendations	Comments
23.	<i>Platanus x hybrida</i>	Retain	Retain and protect in accordance with 8.0.
24.	<i>Platanus x hybrida</i>	Retain	Retain and protect in accordance with 8.0.
25.	<i>Platanus x hybrida</i>	Retain	Retain and protect in accordance with 8.0.

8.0 Pre-Construction Tree Protection Measures

8.1 General

All tree protection works shall be carried out before excavation, grading and site works commence. Tree protection works shall be inspected and approved by a Consulting Arborist meeting AQF Level 5 prior to construction works commencing.

Storage of materials, mixing of materials, vehicle parking, disposal of liquids, machinery repairs and refueling, site office and sheds, and the lighting of fires, stockpiling of soil, rubble or any debris shall not be carried out within the TPZ of existing trees. No backfilling shall occur within the TPZ of existing trees. Trees shall not be removed or lopped unless specific instruction is given in writing by the Superintendent.

8.2 Identification

All trees to be protected shall be clearly identified and all TPZs surveyed.

8.3 Site Arborist

Prior to all site works commencing, a Site Arborist is to be appointed with the responsibility of implementing all Tree Protection Measures in this report as well as compliance with AS4970-2009 Protection of Trees on Development Sites. The Site Arborist is to hold qualifications equivalent of AQF Level 5.

8.4 Protective Fence

Fencing is to be erected around existing trees to be retained. In addition to this protective fencing within the site, Protective Fencing is to be installed to the full extent of the TPZs within the site. This fencing is to be erected prior to any materials being brought on site or before any site, civil works or construction works commence. The fence shall enclose a sufficient area so as to prevent damage to the TPZ as defined on Appendix D Tree Protection Plan and as defined in 5.1 above. Fence to comprise 1800mm high chain wire mesh fixed to 50mm diameter Galvanised steel posts. Panels should be securely fixed top and bottom to avoid separation. No storage of building materials, tools, paint, fuel or contaminants and the like shall occur within the fenced area.

8.5 Mulching

Install mulch to the extent of all tree protection fencing. Use a leaf mulch conforming to AS 4454 which is free of deleterious and extraneous matter such as soil, weeds, sticks and stones and consisting of a minimum of 90% recycled content compliant with AS 4454 (1999) and AS 4419 (1998). All trees marked as to be removed on the proposed development are to be chipped and reused for this purpose. Place mulch evenly and to a depth of 100mm.

8.6 Signage

Prior to works commencing, tree protection signage is to be attached to each tree protection zone, displayed in a prominent position and the sign repeated at 10 metres intervals or closer where the fence changes direction. Each sign shall contain in a clearly legible form, the following information:

Tree protection zone.

- This fence has been installed to prevent damage to the trees and their growing environment both above and below ground and access is restricted.
- No Access within Tree Protection Zone
- The name, address, and telephone number of the developer.

The name and telephone number of the Site Arborist.

8.7 Trunk and Branch Protection

Where a tree is to be retained and a Tree Protection Zone cannot be adequately established due to restricted access, the trunk and branches in the lower crown will be protected by wrapping 2 layers of hessian or carpet underfelt around the trunk and branches for a minimum of 2 m or as lower branches permit, then metal strapping secures 38x50 x2000 mm timber battens together around the trunk (do not nail or screw to the trunk or branches). The number of battens to be used is as required to encircle the trunk and the battens are to extend to the base of the tree (AS4970 2009 Protection of trees on development sites, Figure 3 Examples of Trunk, Branch and ground protection).

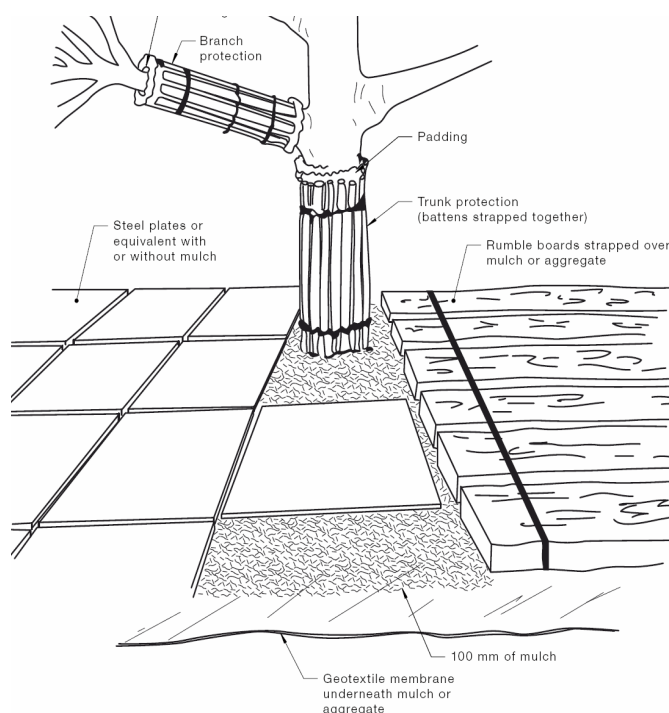


Figure 1 - Trunk Protection

9.0 Site Management Issues

9.1 Soil Compaction

Plant and pedestrian traffic during the construction period will cause significant soil compaction. This will be exacerbated by increased water expected on these soils as result of adjacent construction and weather. Compaction of the soil within the TPZ will reduce the voids between soil peds or particles therefore will reduce the gaseous exchange capacity of the root system which will slow critical metabolic processes. No pedestrian or plant access is permissible to the TPZ.

9.2 Site Access

Sufficient access is required to enable efficient construction. It is essential to delineate access zones or corridors which will provide suitable access without damaging the existing trees to be retained or causing compaction to the root zone.

9.3 Excavation within Tree Protection Area

No excavation is to be carried out within the TPZs of retained trees without the permission and supervision of the Site Arborist (AQF5)

9.4 Possible Contamination / Storage of Materials

The construction site will require the use of many chemicals and materials that are possible contaminants which if not managed will pose a risk to the existing trees. These possible contaminants include fuels, herbicides, solvents and the like. A site-specific Environmental Management Plan shall be provided, and this specific risk identified and addressed.

10.0 Tree Protection Measures During Construction

10.1 Maintenance of Pre-Construction Tree Protection Measures

The Pre-Construction Tree Protection Measures identified in 5.0 above are to be maintained in good and serviceable condition throughout the construction period.

10.2 Possible Contaminants

Do not store or otherwise place bulk materials and harmful materials under or near trees. Do not place spoil from excavations within the TPZs. Prevent wind-blown materials such as cement from harming trees. All possible contaminants are to be stored in a designated and appropriate area with secure chemical spill measures such as a bund in place.

10.3 Physical Damage

Prevent damage to tree. Do not attach stays, guys and the like to trees. No personnel, plant, machinery or materials are to be allowed within the tree protection fencing.

10.4 Compaction

No filling or compaction shall occur over tree roots zones within tree protection fenced areas. Where construction occurs close to or the TPZ of trees to be retained it shall be necessary to install protection to avoid compaction of the ground surface. This protection is to be planks supported clear of the ground fixed to scaffolding.

10.5 Trenching

No Trenching should be necessary within the TPZs or within tree protection fencing. No further trenching is to be carried out without the approval of the Site Arborist. Should any further trenching be required within the TPZs identified, this work is to be carried out by hand and under the supervision of a qualified Arborist.

10.6 Irrigation/Watering

Contractor is to ensure that soil moisture levels are adequately maintained. Apply water at an appropriate rate suitable for the species during periods of little or no rainfall.

10.7 Site Sheds / Amenities/ Storage

Site sheds, site amenities, ablutions and site storage shall be in the area clear of all TPZ. Chemicals and potential contaminants are to be stored appropriately and this

storage area is to be enclosed by a chemical spill bund to prevent the potential run off of contaminants in the event of a spillage or accident.

11.0 Environmental / Heritage/ Legislative Considerations

None of the subject trees are identified as threatened species or elements of endangered ecological communities within the NSW Biodiversity Conservation Act 2016.

12.0 References

Mattheck, C. Breloer, K. 1993, The Body Language of Trees: A Handbook for Failure Analysis, 12th Impression 2010 The Stationery Office.
AS4970-2009 Protection of Trees on Development Sites: Standards Australia

13.0 Disclaimer

This Appraisal has been prepared for the exclusive use of the Client and Birds Tree Consultancy.

Birds Tree Consultancy accepts no responsibility for its use by other persons. The Client acknowledges that this Appraisal, and any opinions, advice or recommendations expressed or given in it, are based on the information supplied by the Client and on the data inspections, measurements and analysis carried out or obtained Birds Tree Consultancy and referred to in the Appraisal. The Client should rely on the Appraisal, and on its contents, only to that extent.

Every effort has been made in this report to include, assess and address all defects, structural weaknesses, instabilities and the like of the subject trees. All inspections were made from ground level using only visual means and no intrusive or destructive means of inspection were used. For many structural defects such as decay and inclusions, internal inspection is required by means of Resistograph or similar. No such investigation has been made in this case. Trees are living organisms and are subject to failure through a variety of causes not able to be identified by means of this inspection and report.

IACA Significance of a Tree, Assessment Rating System (STARS) © (IACA 2010) ©

In the development of this document IACA acknowledges the contribution and original concept of the Footprint Green Tree Significance & Retention Value Matrix, developed by Footprint Green Pty Ltd in June 2001.

The landscape significance of a tree is an essential criterion to establish the importance that a particular tree may have on a site. However, rating the significance of a tree becomes subjective and difficult to ascertain in a consistent and repetitive fashion due to assessor bias. It is therefore necessary to have a rating system utilising structured qualitative criteria to assist in determining the retention value for a tree. To assist this process all definitions for terms used in the *Tree Significance - Assessment Criteria* and *Tree Retention Value - Priority Matrix*, are taken from the IACA Dictionary for Managing Trees in Urban Environments 2009.

This rating system will assist in the planning processes for proposed works, above and below ground where trees are to be retained on or adjacent a development site. The system uses a scale of *High*, *Medium* and *Low* significance in the landscape. Once the landscape significance of an individual tree has been defined, the retention value can be determined.

Tree Significance - Assessment Criteria



1. High Significance in landscape

- The tree is in good condition and good vigour;
- The tree has a form typical for the species;
- The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age;
- The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register;
- The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity;
- The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values;
- The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa *in situ* - tree is appropriate to the site conditions.

2. Medium Significance in landscape

- The tree is in fair-good condition and good or low vigour;
- The tree has form typical or atypical of the species;
- The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area
- The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street,
- The tree provides a fair contribution to the visual character and amenity of the local area,
- The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa *in situ*.

3. Low Significance in landscape

- The tree is in fair-poor condition and good or low vigour;
- The tree has form atypical of the species;
- The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings,
- The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area,
- The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen,
- The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa *in situ* - tree is inappropriate to the site conditions,
- The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms,
- The tree has a wound or defect that has potential to become structurally unsound.

Environmental Pest / Noxious Weed Species

- The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties,
- The tree is a declared noxious weed by legislation.


Hazardous/Irreversible Decline

- The tree is structurally unsound and/or unstable and is considered potentially dangerous,
- The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

The tree is to have a minimum of three (3) criteria in a category to be classified in that group.

Note: The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety e.g. hedge.

Appendix B Tree Retention Values

		Significance				
		1. High	2. Medium	3. Low		
		Significance in Landscape	Significance in Landscape	Significance in Landscape	Environmental Pest / Noxious Weed Species	Hazardous / Irreversible Decline
Estimated Life Expectancy	1. Long >40 years					
	2. Medium 15-40 Years					
	3. Short <1-15 Years					
	Dead					
<p><u>Legend for Matrix Assessment</u></p> <div style="text-align: right;">  </div>						
		Priority for Retention (High) - These trees are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970 <i>Protection of trees on development sites</i> . Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone.				
		Consider for Retention (Medium) - These trees may be retained and protected. These are considered less critical; however their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.				
		Consider for Removal (Low) - These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.				
		Priority for Removal - These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.				

REFERENCES

Australia ICOMOS Inc. 1999, *The Burra Charter – The Australian ICOMOS Charter for Places of Cultural Significance*, International Council of Monuments and Sites, www.icomos.org/australia

Draper BD and Richards PA 2009, *Dictionary for Managing Trees in Urban Environments*, Institute of Australian Consulting Arboriculturists (IACA), CSIRO Publishing, Collingwood, Victoria, Australia.

Footprint Green Pty Ltd 2001, *Footprint Green Tree Significance & Retention Value Matrix*, Avalon, NSW Australia, www.footprintgreen.com.au

Appendix C - Tree Inspection Data

Birds Tree Consultancy

Consulting Arborist • Project Management • Horticultural Consultancy • Landscape Management

Inspection Data 16-Apr-21
2-6 Cavill Ave Ashfield

Tree no.	Species	Height (m)	Spread(m)	DBH (mm)	TPZ Radius (m)	Dia at base	SRZ Radius (m)	Maturity	Trunk (single, twin, multiple @)	Trunk lean	Form/Crown shape	Branching Habit	Crown Distribution	Distortion Due	Stability
23	Platanus x hybrida	13	15	600	7.2	650	2.76	Mature	Single	NIL	Normal	Normal	S	Crowding	Stable
24	Platanus x hybrida	24	18	760	9.12	800	3.01	Mature	Single	NIL	Normal	Normal	Balanced		Stable
25	Platanus x hybrida	22	18	670	8.04	750	2.93	Mature	Single	NIL	Normal	Normal	Balanced		Stable

Tree no.	Species	Branching Structure	Pruning History	Defects	Damage	Overall Health & Vigour	Canopy Density	Foliage	Deadwood	Epicormic Growth	Pest Infestation	Disease	Life expectancy	Env. & Landcape significance	Retention Value
23	Platanus x hybrida	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High
24	Platanus x hybrida	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	high	high
25	Platanus x hybrida	Stable	No evidence	Nil	Nil	Good	Normal	Normal	<5%	<5%	No evidence	No evidence	15-40y	High	High

Appendix D – Tree Location Plan



Legend

- Tree to be Retained and Protected
- Tree to be Removed
- Tree Not Viable to be Retained due to Proposed Development
- Tree Protection Zone (TPZ) in accordance with AS4970-2009
- ⊗ Structural Root Zone (SRZ) in accordance with AS4970-2009

Birds Tree Consultancy

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Project: 2-6 Cavill Ave Ashfield

Client: Shayer Group

DWG: A01 REV A

Plan: Tree Location Plan 01

Date: 11 May 2021 Scale : 1:200 @ A3