

ARBORICULTURAL REPORT



Campbell Street and Campbell Road

WestConnex New M5

Prepared for CDS-JV

CDS-JV Doc number: M5N-ES-RPT-LRW-0004-04

Date 14 February 2017



[Redacted text block]

To: [Redacted]
[Redacted]
[Redacted]
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Re – Arborist Inspection and Impact Assessment

I refer to your request to undertake a site inspection for CPB Dragados Samsung Joint Venture (CDS-JV) to prepare an Arboricultural Impact Assessment for proposed road widening and surface works at Campbell Street, St. Peters. The proposed works are part of the WestConnex New M5 Development Project.

If you require any further information in relation to this report, please contact us on [Redacted]

Yours sincerely

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1. Introduction

The WestConnex scheme is a NSW Government initiative to connect Sydney's west and south-west with the Sydney Airport and Port Botany precinct. It is being delivered by the Sydney Motorway Corporation (SMC), formerly the WestConnex Delivery Authority (WDA). Part of that project is the WestConnex Stage 2, referred to as the New M5.

The project will run from the existing M5 East corridor at Beverly Hills via a tunnel to St Peters, providing improved access to the airport, South Sydney and Port Botany precincts. The Project will substantially improve the east - west corridor access between the Sydney CBD, Port Botany and Sydney Airport precincts and the South West growth areas. The project will deliver approximately nine (9) kilometres of two-lane twin tunnels with capacity to operate three lanes in the future, motorway to motorway connections to the King Georges Road Interchange Upgrade at Beverly Hills, and a new interchange at St Peters. Infrastructure Approval was granted for the project on 20 April 2016. Major works are expected to commence in mid-2016 and the New M5 tunnel is scheduled to open to traffic in late 2019.

The CPB Contractors Dragados Samsung Joint Venture (CDS-JV) has been awarded the design and construction of the New M5.

CPB Dragados Samsung Joint Venture (CDS-JV) has commissioned Australian Tree Consultants Pty Ltd (ATC) to prepare an Arboricultural Impact Assessment Report for proposed road widening and surface works at Campbell Street and Campbell Road, St. Peters. The scopes of work being:

- Surface works along Campbell Street and Campbell Road, including road widening, and footpath construction.

The proposed works are part of the WestConnex New M5 Development Project.

The purpose of this report is to:

- Identify trees that are likely to be affected by the scope of works.
- Assess the current overall health and condition of the subject trees.
- Evaluate the significance of the subject trees and assess their suitability for retention.

The Report has been developed to mirror the same requirements of the reports previously approved Department of Planning and Environment (DPE) and addresses the requirements of Condition B63 in accordance with **Table 1**.

Table 1: Condition of Approval B63 Compliance Table

Condition	Requirement	Addressed in:
B63	The SSI must be designed to retain as many trees as possible and provide a net increase in the number of replacement trees. The Proponent must commission an independent experienced and suitably qualified arborist, to prepare a comprehensive Tree Report(s) prior to removing any trees on the periphery and/or outside the construction footprint as identified in the figures in Section 6 of the document referred to in condition A2(b), including any tree(s) removed along Euston Road. The Tree Report may be prepared for the entire SSI or separate reports may be prepared for individual areas where trees are required to be removed. The report(s) must identify the impacts of the SSI on trees and vegetation within and adjacent to the construction footprint. The report(s) must include:	This Report
B63(a)	a visual tree assessment with inputs from the design, landscape architect, construction team;	Section 4a: Site Observation Section 4c: Documents Meetings and Plans Referenced
B63(b)	consideration of all options to amend the SSI where a tree has been identified for removal, including realignment, relocation of services, redesign of or relocation of ancillary components (such as substations, fencing etc.) and reduction of standard offsets to underground services.	Section 4c: Documents Meetings and Plans Referenced
B63(c)	Measures to avoid the removal of trees or minimise damage to existing trees and is to ensure the health and stability of those trees to be protected. This includes details of any proposed canopy or root pruning, excavation works, site controls on waste disposal, vehicular access, and storage of materials and protection of public utilities.	Section 6: Recommendations
	In the event that trees are to be removed, then replacement trees are to be planted within, or in close proximity to, the SSI boundary, including along Euston Road where feasible and reasonable The location of the trees must be determined in consultation with the relevant council(s). The replacement trees are to have a minimum pot size of 75 litres. A copy of the report(s) must be submitted to the Secretary for approval prior to the removal, damage and/or pruning of any trees, including those affected by site establishment works. All recommendations of the report must be implemented by the Proponent, unless otherwise agreed by the Secretary.	Consistent with earlier approved Tree Reports replanting will be detailed in the Urban Design and Landscape Plan in consultation with relevant councils.

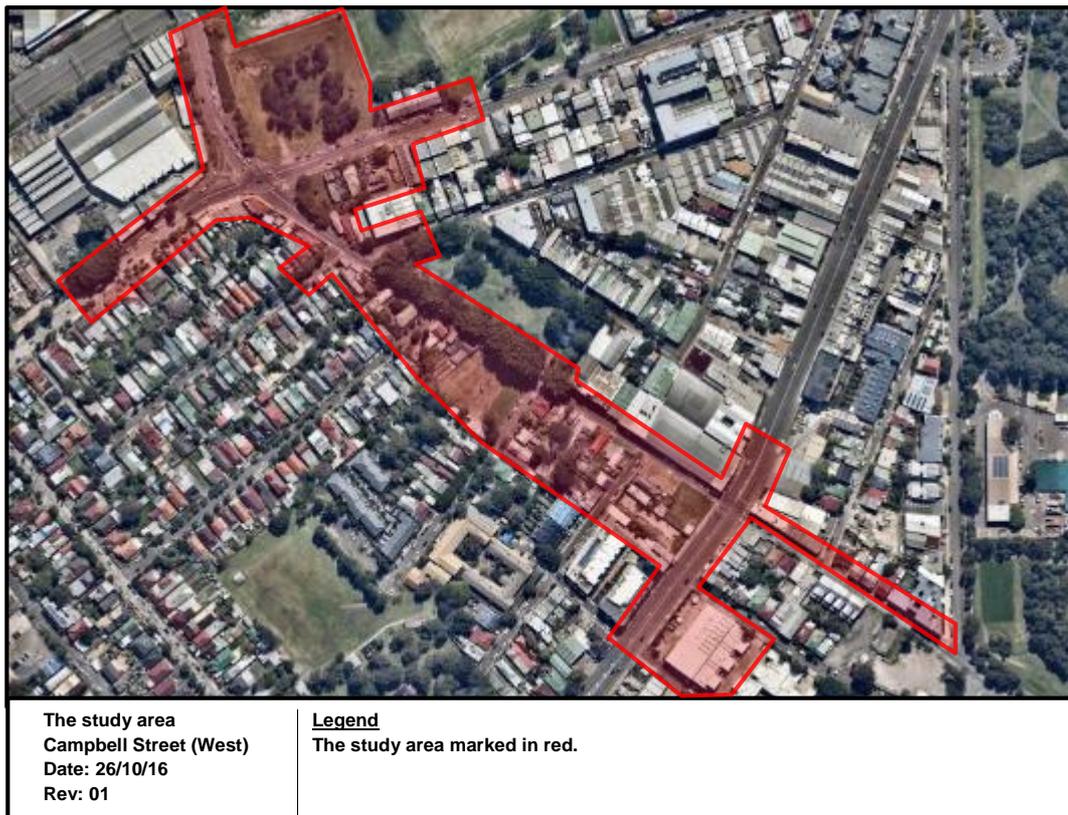
2. Study Area

The study area comprises of two sections:

- Approximately 6ha of land situated along and surrounding Campbell Street and Campbell Road, St. Peters. The eastern extent of the study area is bound by Barwon Park Road. The western extent of the study area is bound by the rail corridor running beneath Bedwin Road Bridge. This is presented in Map 1.
- In April and May 2016 ATC carried out an arboricultural assessment of trees along Campbell Street and Campbell Road, east of the Princes Highway, refer Tree Removals and Plantings (document number M5N-ES-RPT-PWD-0002 revision 03, dated 6 July 2016, section Site 3: St Peters Interchange including Canal Road (C8) Campbell Road Compound (C9) & Burrows Road Compound (C10 & C11). This Tree Report was approved by DPE on 8 July 2016. 26 trees (grouped as 14) were not able to be assessed at that time due to restricted access. CDS-JV has since gained access to the properties and as a result the 14 trees have been assessed and included in this report. These are presented in Map 2.

Any future works that may affect trees beyond the study area will be addressed in a tree report prepared and approved before any such works.

Map 1: The study area



Map 2: Area housing additional 14 trees not previously assessed.



3. Scope of Works

Campbell Street and Campbell Road will be upgraded permanently to a four (4) and six (6) lane carriageway with access and egress to the surrounding road network.

Works include:

- Demolition and clearing.
- Earthworks.
- Drainage and utility works.
- Provision of local parking.
- Shared cycle and pedestrian paths.
- Road construction.
- Ancillary works.

The southern boundary of the works extend into current residential properties acquired by Roads and Maritime Services and up to boundaries of properties to be retained. The northern boundary of the works will extend to the existing northern extent of the Campbell Street and Campbell Road corridor. The width of the upgrade cannot be lessened without compromising safety design considerations and for this reason the design width cannot be decreased. The location of the road widening is provided in **Map 3** and is represented by the full width of the Project Deed boundary.

Map 3: Project deed boundary



4. Methodology

a. Site observations

The subject trees were inspected 22nd September – 25th October 2016, and 9th – 13th January 2017 by staff from Australian Tree Consultants Pty Ltd. A total of 106 Trees adjacent to the boundary of the project footprint have been surveyed by a surveyor from CDS-JV. These trees have been identified in **Appendix 1** and presented as a map in **Appendix 3**. Trees where the boundary is clearly defined by an object, e.g. boundary fence, may not have been surveyed where the object provides a clear point to determine the edge of the works and accordingly calculate any encroachment of works into the tree protection zone. Boundary objects provide an accurate means to determine encroachment of works during the tree survey by the arborist.

284 trees (grouped as 267 trees) were identified within the study area shown in **Map 1**. (Note: Tree tag numbers allocated for this site are from 137 – 376. The 26 trees (grouped as 14) assessed following obtaining access to properties are allocated numbers from 377 – 393). Trees of the same species, with similar dimensions, growing in close proximity to each other, have been documented as a group and presented under a single way point.

The locations of trees from No 189 – 275 were estimated as access to this site was not possible (refer to Section 5: Tree Survey- Cnr May St and Campbell Road). Trees No 189 – 275 have been recommended for retention as they are all outside of the zone of construction and will not be impacted by the development.

Details on species; measurements of height, canopy spread, diameter at breast height (DBH), Tree Protection Zones (TPZ) and Structural Root Zones (SRZ); and an assessment of the health and structure of the subject trees is contained in **Appendix A**.

Trees located outside of the specified study area have not been included in this report. If trees located outside of the study area are likely to be impacted, additional arboricultural assessment will be required.

b. Visual Tree Inspection

The subject trees were assessed in accordance with a stage one Visual Tree Assessment (VTA) as formulated by Mattheck & Breloer (1994), and practices consistent with modern arboriculture.

The following limitations apply to this methodology:

- Trees were inspected from ground level, without the use of any invasive or diagnostic tools and testing.
- Trees within adjacent properties or restricted areas were not subject to a complete visual inspection (i.e. defects and abnormalities may be present but not recorded).

- No aerial inspections or root mapping was undertaken.
- Tree heights, canopy spread and diameter at breast height (DBH) was estimated, unless otherwise stated.
- Tree identification was based on broad taxonomical features present and visible from ground level at the time of inspection.

c. Documents, meetings and plans referenced

A tree assessment input meeting was held on the 7th September 2016 with staff from ATC and the following attendees;

- CDS-JV Project Engineer, Local Road Works
- CDS-JV Engineering Design Manager
- Hassell Studio Principal Urban Landscape Designer
- Hassell Studio Urban Landscape Designer
- CDS-JV – Environment Manager - East

CDS-JV GIS was used to discuss the study area in relation to the road design. Options to amend the SSI for this area were discussed. In particular it was noted that the road corridor has been designed to be as narrow as possible while conforming to relevant design standards and there is no further option to reduce the footprint. Pruning, non-destructive digging techniques and changes to design were considered so as to maximize opportunities to retain as many trees as possible. The construction of the road, underground stormwater retention and drainage, intersection upgrades and pedestrian & shared pathways have been designed to minimize the number of trees being removed whilst delivering on key aspects of the project (road safety, stormwater and flood management and pedestrian access).

It was stated that measures should be undertaken to mitigate impacts to trees adjacent to the construction footprint. In particular, two groups of highly significant Ficus trees located adjacent to the construction footprint:

- **Trees 142-153, 302-305:** Re-design is recommended for drainage, pedestrian and shared paths adjacent to the subject trees. The design will need to accommodate increased offset from the subject trees, in order to retain the trees. It may be possible to achieve this by incorporating enclosed drainage, and moving the green strip/corridor/pathways next to the trees and moving the pathways further away. This would involve re-ordering the elements of the design so the most tree sensitive elements are the closest to the tree and the elements that are likely to cause the highest impact are further away.

Also taken into account during the assessment from the meeting on the 22nd September 2016 is that the final urban design and landscape plan will address the planting of trees, where feasible and reasonable, within the SSI boundary.

The conclusions and recommendations of this report are based on the Australian Standard, AS 4970-2009, *Protection of Trees on Development Sites*.

5. Tree Locations



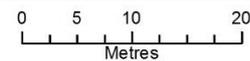
Tree Survey - Bedwin Road



Legend

- Surface Road Design
- ▭ Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



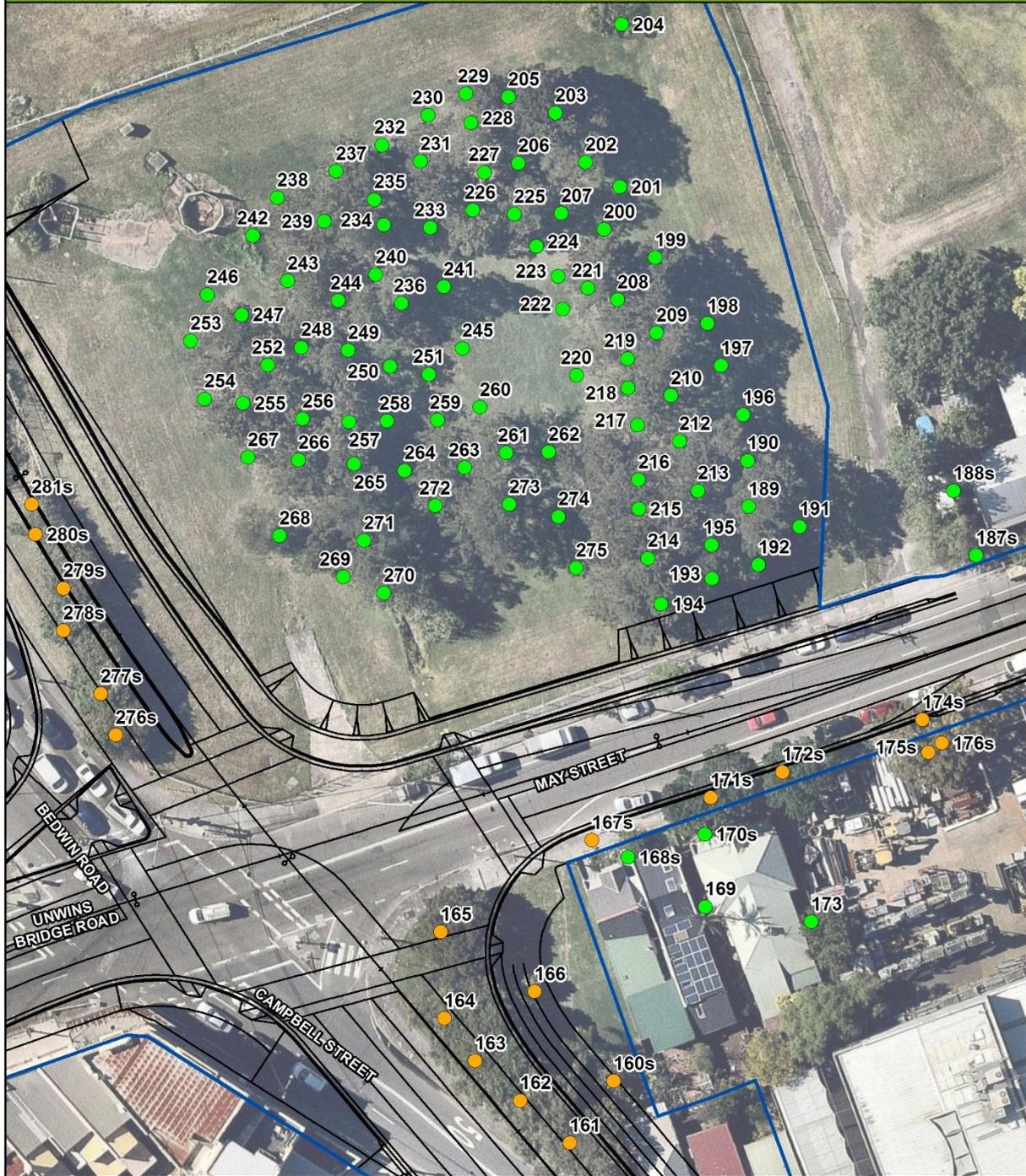
Datum/Projection:
 GDA 1994 MGA Zone 56



Prepared by: Date: 16/1/2017

* Trees present in maps that have not been assessed may have been removed prior to the tree survey, or may not qualify. If any additional trees are likely to be impacted, further assessment will be required.

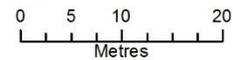
Tree Survey - Cnr May Street and Campbell Street



Legend

- Surface Road Design
- Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



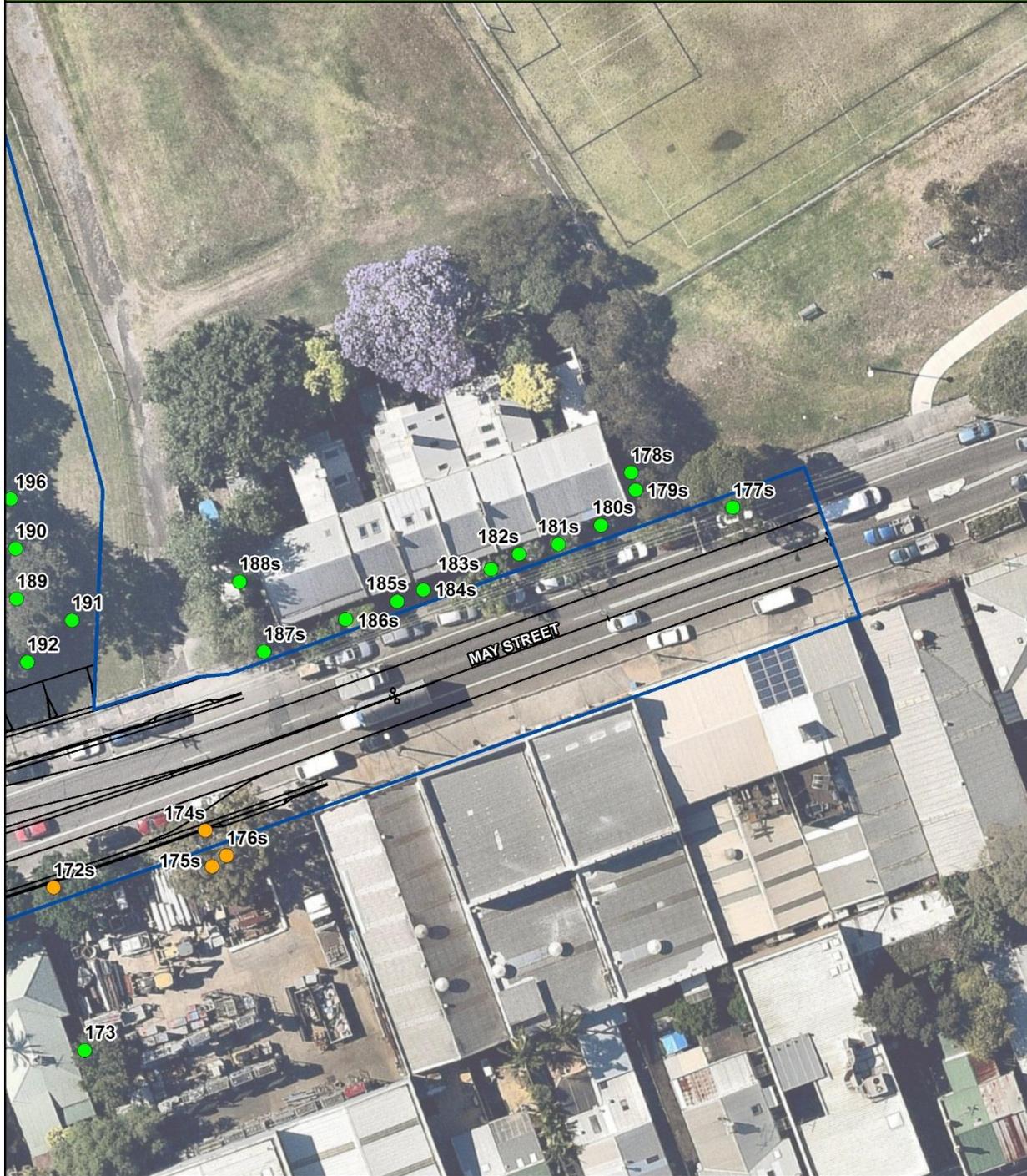
Datum/Projection:
 GDA 1994 MGA Zone 56



Prepared by: Date: 16/1/2017

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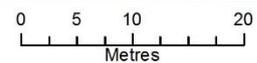
Tree Survey - May Street



Legend

- Surface Road Design
- ▭ Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment. Trees not surveyed were picked up using GPS.



Datum/Projection:
 GDA 1994 MGA Zone 56



Prepared by: Date: 16/1/2017

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Tree Survey - Unwins Bridge Road



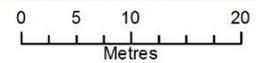
Legend

- Surface Road Design
- ▭ Project Deed Boundary

Proposed Outcome

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



Datum/Projection:
 GDA 1994 MGA Zone 56



Prepared by: Date: 16/1/2017

Tree Survey - Brown Street



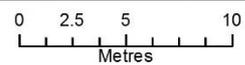
Legend

- Surface Road Design
- ▭ Project Deed Boundary

Proposed Outcome

- Retain
- Redesign
- Remove

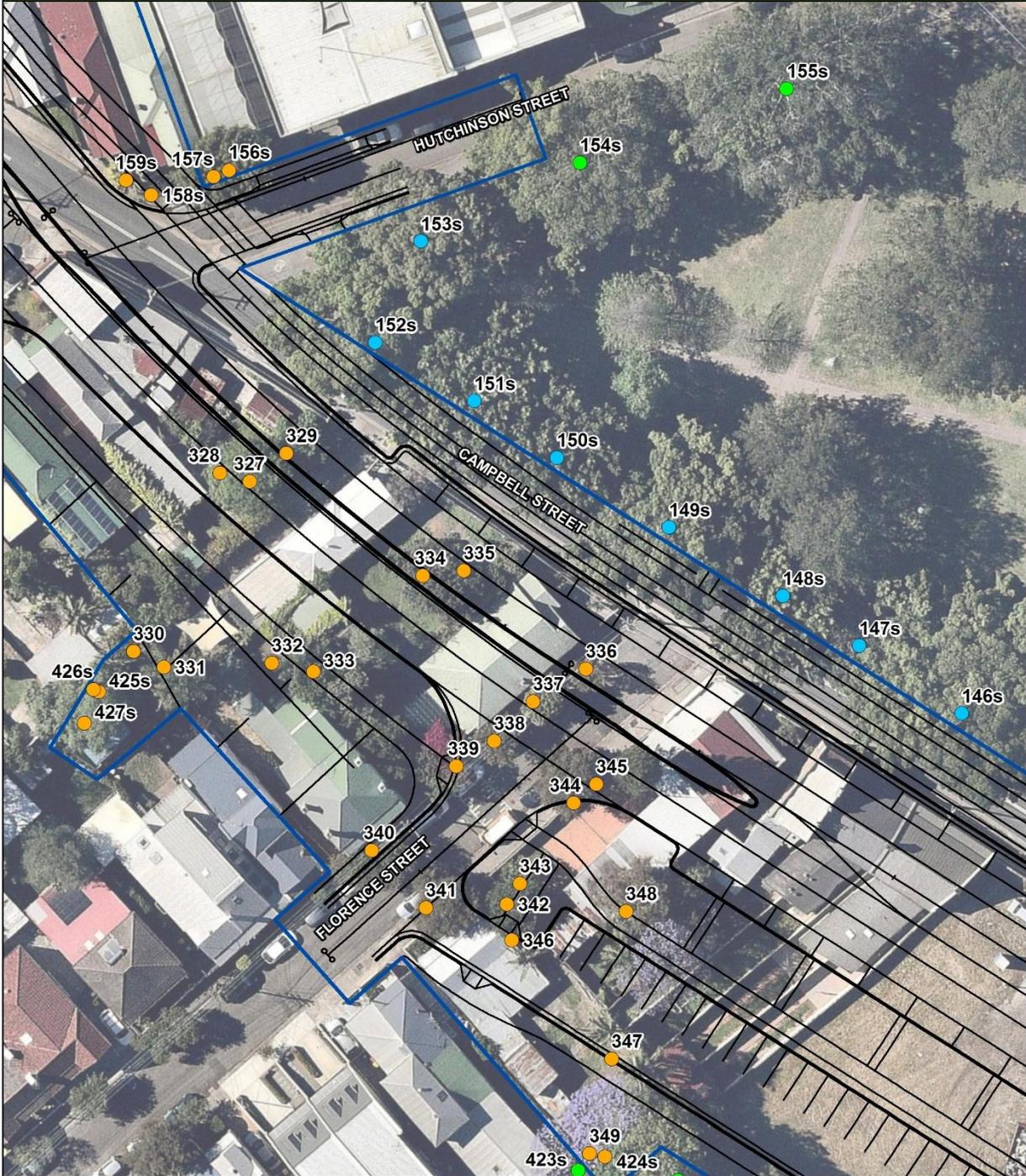
Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



Datum/Projection:
 GDA 1994 MGA Zone 56

Prepared by: Date: 16/11/2017

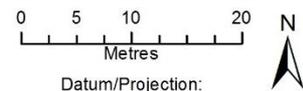
Tree Survey - Campbell Street (Hutchinson Street - Florence Street)



Legend

- Surface Road Design
- ▭ Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove

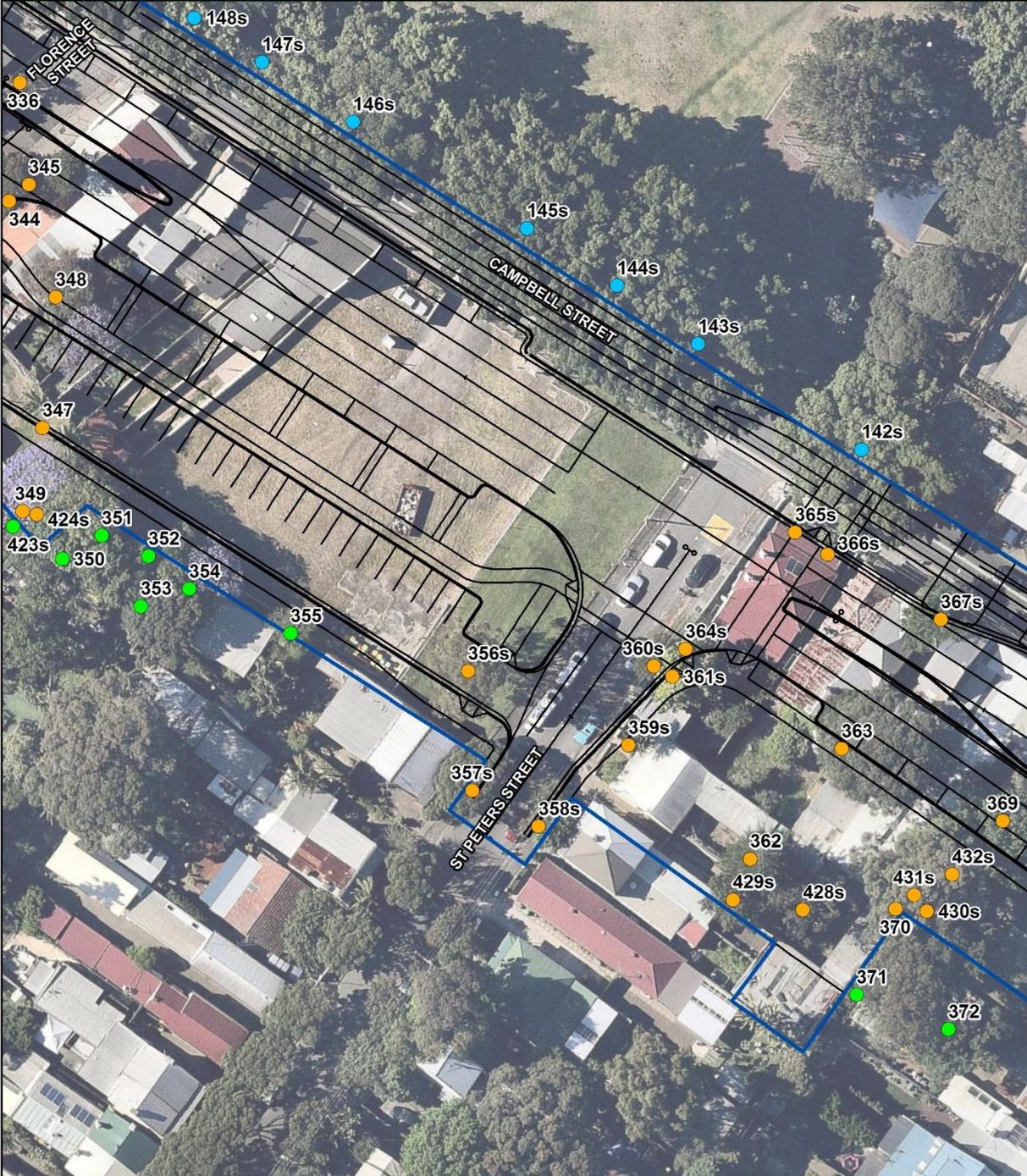
Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



Datum/Projection:
 GDA 1994 MGA Zone 56

Prepared by: Date: 16/1/2017

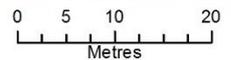
Tree Survey - Campbell Street (Florence Street - St Peters Street)



Legend

- Surface Road Design
- ▭ Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.

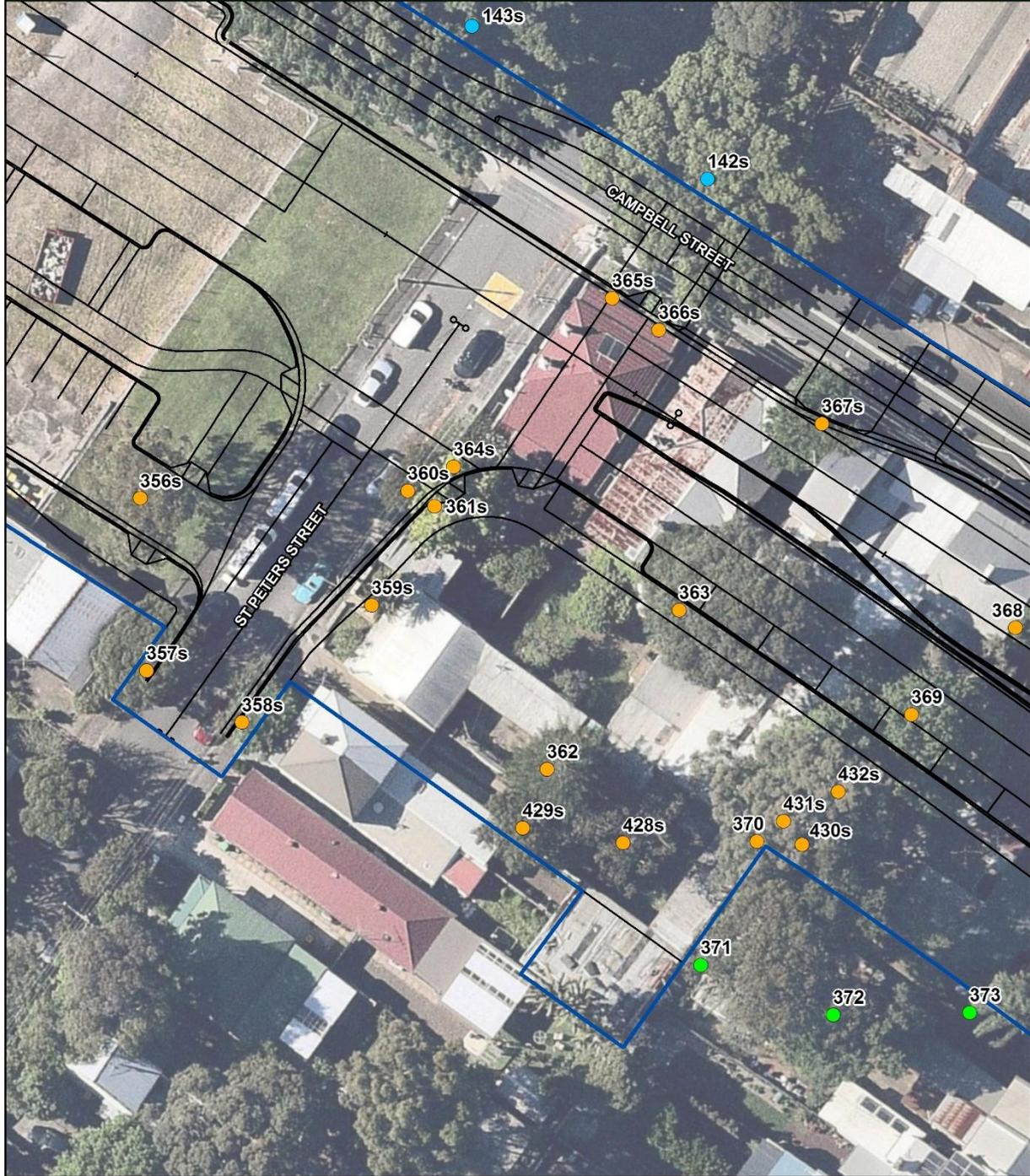


Datum/Projection:
 GDA 1994 MGA Zone 56



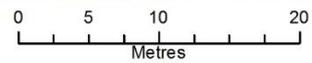
Prepared by: Date: 16/1/2017

Tree Survey - Campbell Street (St Peters Street - Church Street)



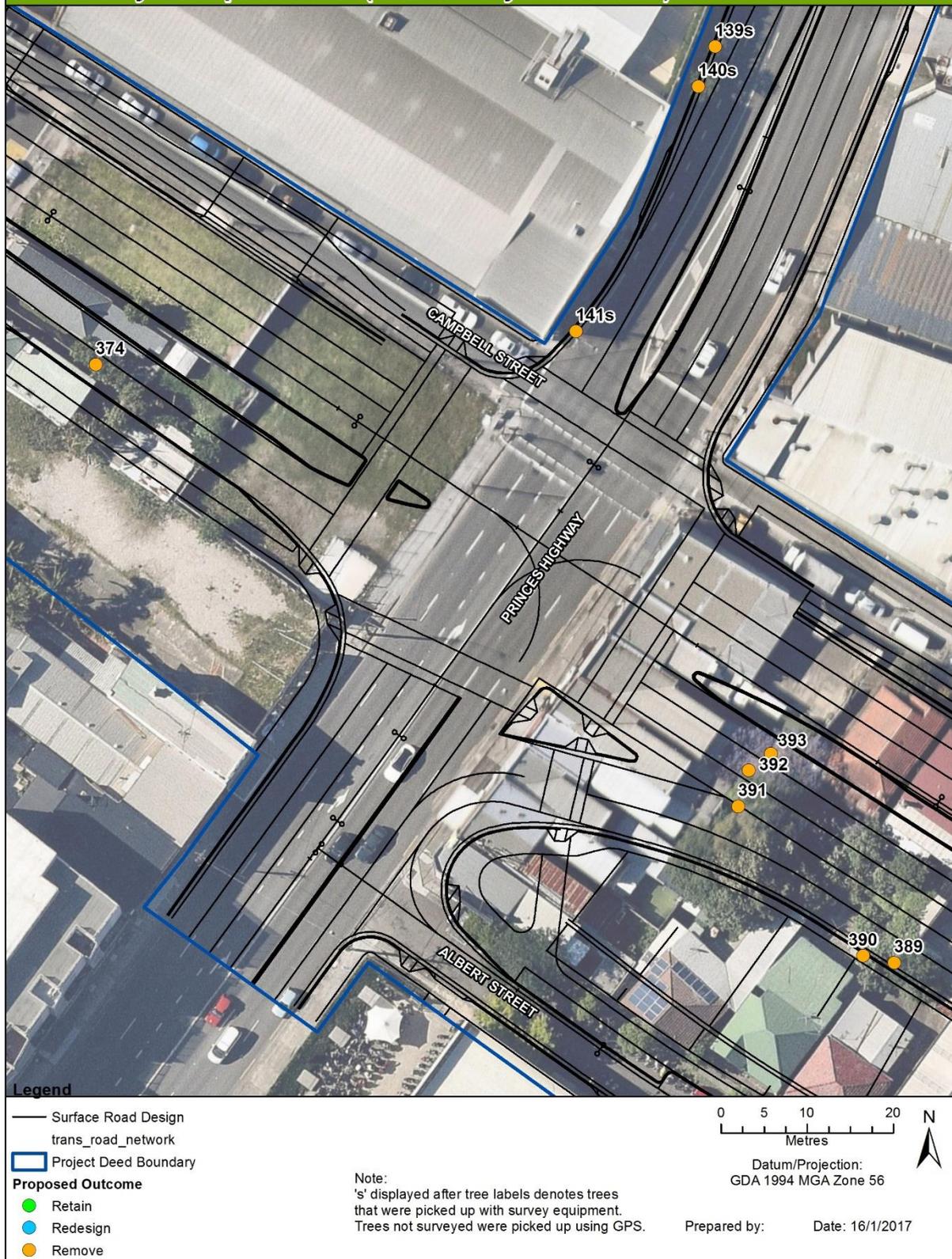
Legend

- Surface Road Design
- Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove



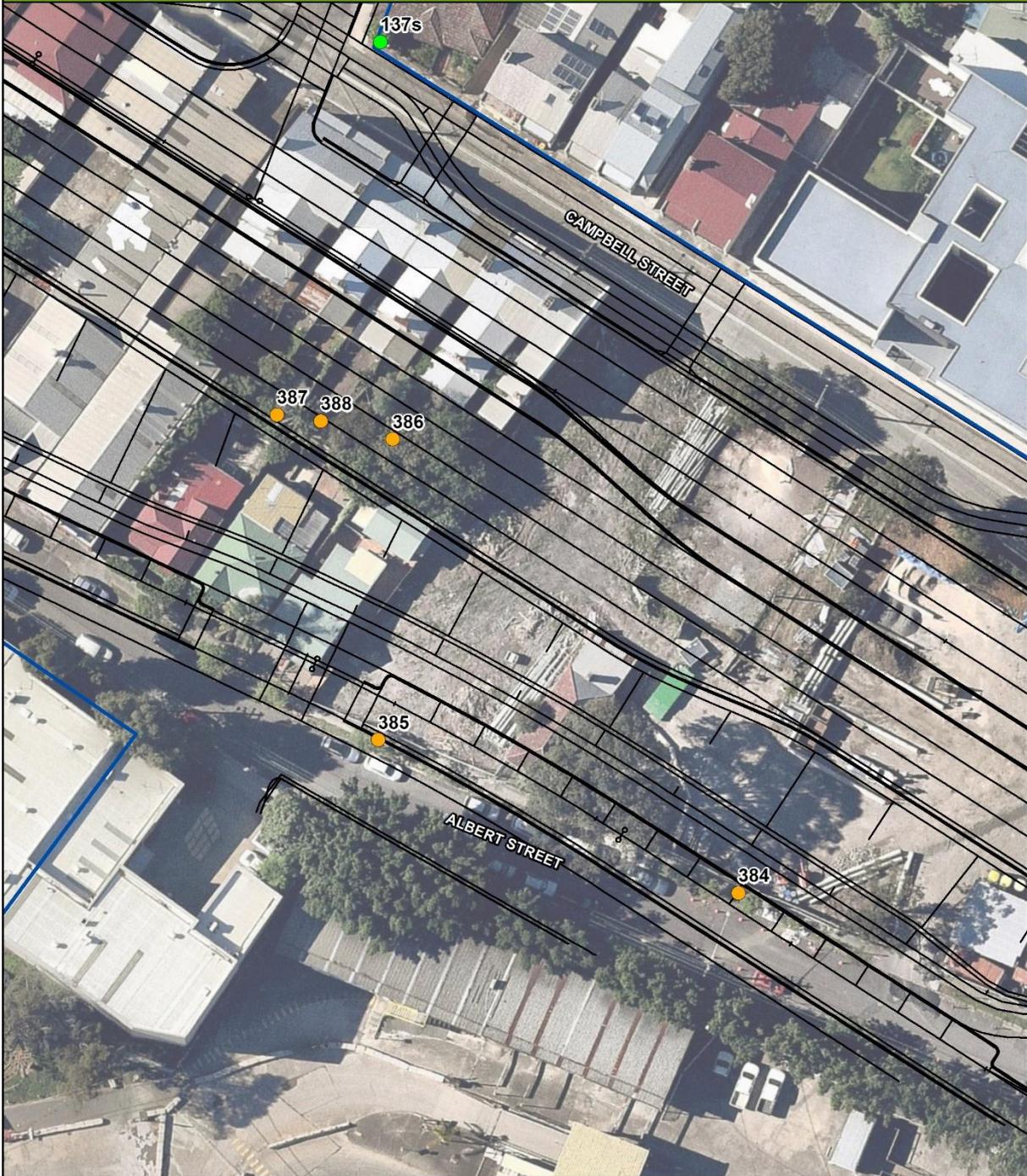
Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS. Prepared by: Date: 16/1/2017

Tree Survey - Campbell Street (Princes Hwy Intersection)



*Map shows trees not surveyed in the previous report M5N-ES-RPT-PWD-0002 revision 03, dated 6 July 2016, section Site 3: St Peters Interchange including Canal Road (C8) Campbell Road Compound (C9) & Burrows Road Compound (C10 & C11). This Tree Report was approved by DPE on 8 July 2016. Trees present in maps that have not been assessed may have been removed prior to the tree survey, or may not qualify.

Tree Survey - Campbell Street (Princes Hwy - Barwon Park Road)



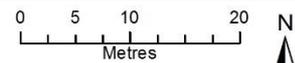
Legend

- Surface Road Design
- ▭ Project Deed Boundary

Proposed Outcome

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.

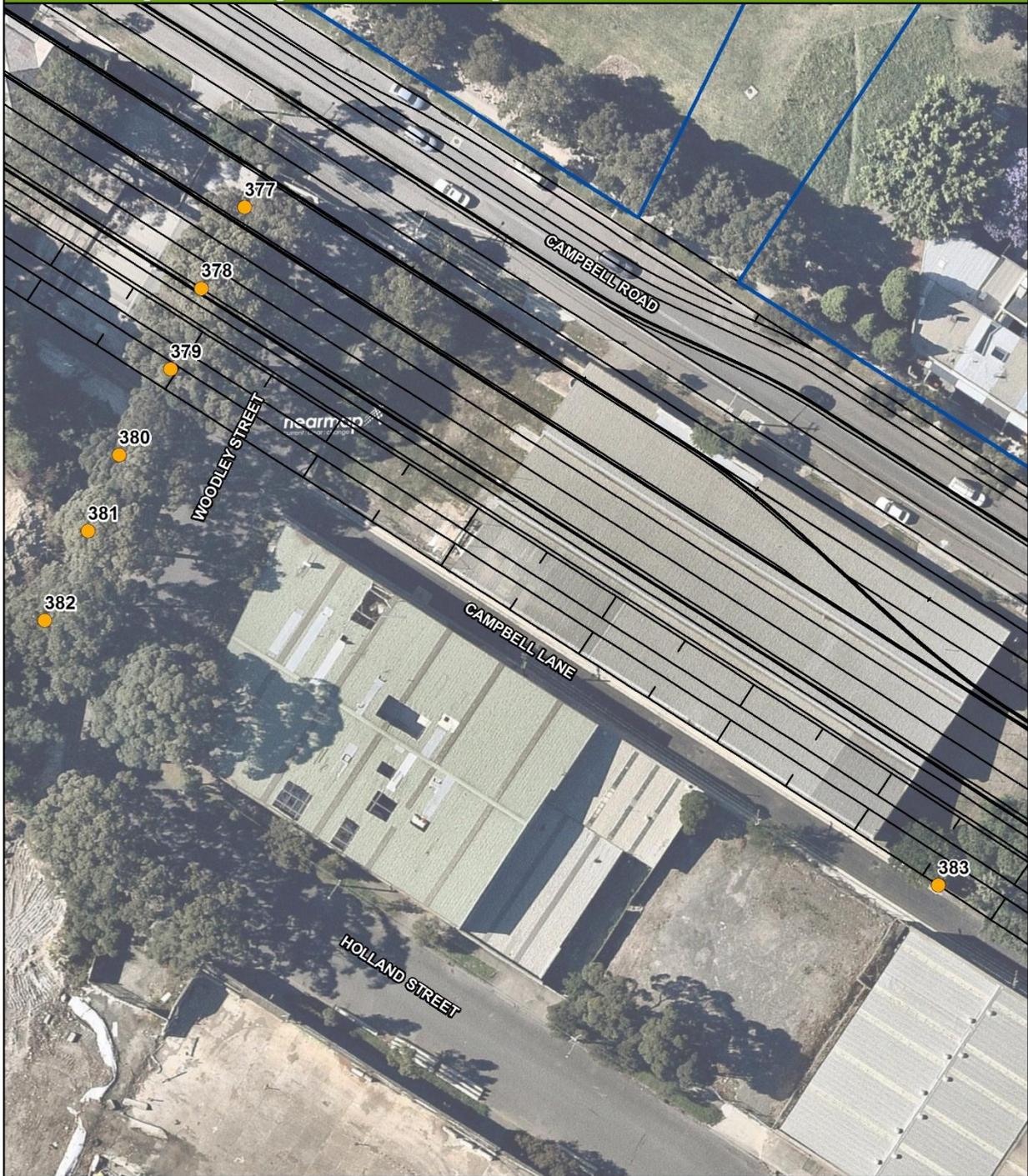


Datum/Projection:
 GDA 1994 MGA Zone 56

Prepared by: Date: 16/1/2017

*Map shows trees not surveyed in the previous report M5N-ES-RPT-PWD-0002 revision 03, dated 6 July 2016, section Site 3: St Peters Interchange including Canal Road (C8) Campbell Road Compound (C9) & Burrows Road Compound (C10 & C11). This Tree Report was approved by DPE on 8 July 2016

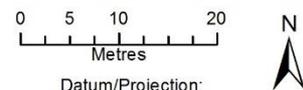
Tree Survey - Woodley Street and Campbell Lane



Legend

- Surface Road Design
- ▭ Project Deed Boundary
- Proposed Outcome**
- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



Datum/Projection:
 GDA 1994 MGA Zone 56

Prepared by: Date: 16/1/2017

*Trees 377 - 382 are approved for removal under previous assessment, refer Tree Removals and Plantings M5N-ES-RPT-PWD-0002 revision 03, dated 6 July 2016, section Site 3: St Peters Interchange including Canal Road (C8) Campbell Road Compound (C9) & Burrows Road Compound (C10 & C11); Tree number 144. This Tree Report was approved by DPE on 8 July 2016

6. Impact Assessment & Results

This impact assessment has been undertaken in accordance with the Australian Standard, AS 4970-2009, Protection of Trees on Development Sites. It includes an assessment of retention value, tree location, encroachment into TPZ, cause of encroachment, proposed outcome and reasons for proposed outcome. Results are contained in Table 2.

a. Retention value

Tree Retention Value takes into account the significance of each of the subject trees and an assessment of their health and suitability for retention within the development site (refer Appendix B).

b. Tree location

The location of a tree is one of the primary contributing factors to the level of impact likely to be sustained by the proposed construction activities.

- Trees inside the footprint - Trees located within the construction footprint cannot be retained without design modification. In order to retain significant trees, design modification or the use of tree sensitive (alternative) construction methods may be recommended.
- Trees outside the footprint - Trees located outside of the construction footprint, which are not likely to be significantly impacted by the proposed works can be successfully retained. These trees will require tree protection and ongoing monitoring throughout the entirety of the project.
- Trees adjacent to footprint - Trees located adjacent to the construction footprint or proposed construction activities may be impacted. These impacts will be determined by the level of encroachment that is likely to occur within the TPZ.

Trees located within areas not yet finalised/approved for construction will require further assessment. If the final level of encroachment cannot be determined based on information provided to the arborist at the time of inspection, further assessment will be required.

c. Encroachment into TPZ

Encroachment includes, but is not limited to: excavation, compacted fill, machine trenching, ground penetration, soil disturbance.

- **None** - The tree is located outside of the proposed footprint and is unlikely to be affected by construction activities.
- **Minor Encroachment** - If the proposed encroachment is less than 10% (total area) of the TPZ, and outside of the SRZ, detailed root investigations should not be required. The area lost to this encroachment should be compensated for elsewhere, and be contiguous with the TPZ.
- **Major Encroachment** - If the proposed encroachment is greater than 10% of the TPZ or within the SRZ, the project arborist must demonstrate that the

tree(s) remain viable. This may require root investigation by non-destructive methods. The area lost to this encroachment should be compensated for elsewhere, and be contiguous with the TPZ.

When determining the potential impacts of encroachment into the TPZ consideration will need to be made to the location and distribution of the roots, including above or below ground restrictions affecting root growth. Location and distribution of roots may be determined through Non-Destructive Excavation (NDE) methods such as; hydro-vacuum excavation (sucker truck), air spade and manual excavation (hand tools). Root investigation is used to determine the extent and location of roots within the zone of conflict. Root investigation does not guarantee the retention of the tree.

d. Cause of encroachment

This determines which particular part of the proposed construction activities will cause the impact to the tree.

e. Proposed outcome

The proposed outcome is the recommended solution for conflicts between trees and the proposed works.

- **Remove** - Tree is recommended for complete removal. Trees may be recommended for removal regardless of their location. Removal may be recommended based on the species, health, structure, location or risk associated with the tree.
- **Transplant** - Tree is recommended for transplant (relocation) within the site.
- **Retain** - Tree can be successfully retained. Trees suitable for retention will require tree protection and ongoing monitoring.
- **Re-design** - Design modification or the use of tree sensitive (alternative) construction methods should be considered to allow the retention of the tree.

f. Reason for proposed outcome

Provides a brief explanation for why the proposed outcome was recommended.

Table 2: Impact Assessment Results

Campbell Street and Campbell Road - St. Peters								
No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
137	<i>Camellia japonica</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
138	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for road and footpath construction and tie into existing Princes Highway.
139	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for road and footpath construction and tie into existing Princes Highway.
140	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for road and footpath construction and tie into existing Princes Highway.
141	<i>Fraxinus raywood</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for road and footpath construction and tie into existing Princes Highway.

Campbell Street and Campbell Road - St. Peters

No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
142	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
143	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
144	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
145	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
146	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.

Campbell Street and Campbell Road - St. Peters

No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
147	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
148	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
149	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
150	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
151	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
152	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
153	<i>Corymbia maculata</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
154	<i>Brachychiton acerifolius</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
155	<i>Ficus microcarpa</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
156	<i>Acmena smithii</i>	High	Adjacent to footprint	Major	>20%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major) and intrusive works. Non-destructive digging not possible due to required construction. Removal required to allow for shared path construction and Hutchinson Street tie in. Significant stormwater upgrades are planned to eliminate local flooding in this area. The stormwater upgrades have major encroachment into the TPZ. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
157	<i>Acmena smithii</i>	High	Adjacent to footprint	Major	>30%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major) and intrusive works. Non-destructive digging not possible due to required construction. Removal required to allow for shared path construction and Hutchinson Street tie in. Significant stormwater upgrades are planned to eliminate local flooding in this area. The stormwater upgrades have major encroachment into the TPZ. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.
158	<i>Plumeria species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for shared path construction and Hutchinson Street tie in.
159	<i>Washingtonia robusta</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given value of tree and extent of encroachment (100%). Non-destructive digging not possible due to required construction. Removal required to allow for shared path construction and Hutchinson Street tie in.
160	<i>Banksia integrifolia</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
161	<i>Callistemon viminalis</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.
162	<i>Callistemon viminalis</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.
163	<i>Callistemon viminalis</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.
164	<i>Callistemon viminalis</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.
165	<i>Melaleuca quinquenervia</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
166	<i>Araucaria cunninghamii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new east bound lanes, shared pathways and intersection widening at May Street.
167	<i>Ceiba speciosa</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new east bound lanes, shared pathways and road tie ins to May Street.
168	<i>Plumeria species</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and Tree Protection.
169	<i>Archontophoenix alexandrae</i>	Medium	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
170	<i>Archontophoenix alexandrae</i>	Medium	Adjacent to footprint	Minor	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
171	<i>Fraxinus raywood</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new curbing, pathways and road tie ins to May Street.
172	<i>Fraxinus raywood</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. . Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new curbing, pathways and road tie ins to May Street.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
173	<i>Lagerstroemia indica</i>	Medium	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
174	<i>Fraxinus raywood</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new curbing, pathways and road tie ins to May Street.
175	<i>Eucalyptus microcorys</i>	High	Adjacent to footprint	Major	>40%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new curbing, pathways and road tie ins to May Street. Significant stormwater upgrades are planned to eliminate local flooding in this area. The stormwater upgrades have major encroachment into the TPZ. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.
176	<i>Eucalyptus microcorys</i>	High	Adjacent to footprint	Major	>40%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new curbing, pathways and road tie ins to May Street. Significant stormwater upgrades are planned to eliminate local flooding in this area. The stormwater upgrades have major encroachment into the TPZ. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
177	<i>Lophostemon confertus</i>	Medium	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
178	<i>Acacia species</i>	Medium	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
179	<i>Robinia species</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
180	<i>Magnolia grandiflora</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
181	<i>Robinia species</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
182	<i>Bougainvillea species</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
183	<i>Dracena draco</i>	High	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
184	<i>Robinia species</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
185	<i>Magnolia grandiflora</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
186	<i>Cyathea australis</i>	High	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
187	<i>Robinia species</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
188	<i>Salix matsudana</i>	Medium	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
189	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
190	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
191	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
192	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
193	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
194	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
195	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
196	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
197	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
198	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
199	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
200	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
201	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
202	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
203	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
204	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
205	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
206	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
207	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
208	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
209	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
210	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
212	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
213	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
214	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
215	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
216	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
217	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
218	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
219	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
220	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
221	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
222	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
223	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
224	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
225	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
226	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
227	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
228	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
229	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
230	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
231	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
232	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
233	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
234	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
235	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
236	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
237	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
238	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
239	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
240	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
241	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
242	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
243	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
244	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
245	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
246	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
247	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
248	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
249	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
250	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
251	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
252	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
253	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
254	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
255	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
256	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
257	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
258	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
259	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
260	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
261	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
262	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
263	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
264	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
265	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
266	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
267	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
268	<i>Casuarina glauca</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
269	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
270	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
271	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
272	<i>Casuarina cunninghamiana</i>	Medium	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
273	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
274	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
275	<i>Casuarina cunninghamiana</i>	High	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
276	<i>Nerium oleander</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
277	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
278	<i>Nerium oleander</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
279	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.

Campbell Street and Campbell Road - St. Peters

No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
280	<i>Nerium oleander</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
281	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
282	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
283	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.
284	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Bedwin Road corridor (eastbound and westbound) pathways and new intersection with Unwins Bridge Road and May Street.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
285	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
286	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
287	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
288	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
289	<i>Mixed weeds</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
290	<i>Acacia species</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
291	<i>Acacia species</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
292	<i>Eucalyptus microcorys</i>	High	Adjacent to footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.
293	<i>Eucalyptus microcorys</i>	High	Adjacent to footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.
294	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
295	<i>Populus nigra</i>	Low	Adjacent to footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters. This tree is located in privately owned property. Consent must be gained from the owner prior to removing the tree. Pruning or trimming within the deed boundary may be undertaken under the advice of a consulting arborist.
296	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
297	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
298 a	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new elevated Bedwin Road corridor (eastbound and westbound) pathways and batters.
298 b	<i>Eucalyptus cinerea</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road northbound corridor and footpaths.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
299	<i>Pyrus calleryana</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road northbound corridor and footpaths.
300	<i>Pyrus calleryana</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road northbound corridor and footpaths.
301	<i>Pyrus calleryana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road northbound corridor and footpaths.
302	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
303	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
304	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
				Major	>10%			
305	<i>Ficus microcarpa</i>	High	Adjacent to footprint	Major	>10%	Construction	Redesign	Highly significant tree, can be retained using tree sensitive design modifications. No work that may damage this tree is to be undertaken in the TPZ until the redesign is complete and this report updated and approved by Department of Planning and Environment.
306	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor, footpaths and tie ins to existing Unwins Bridge Road.
307	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor, footpaths and tie ins to existing Unwins Bridge Road.
308	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor, footpaths and tie ins to existing Unwins Bridge Road.
309	<i>Plumeria species</i>	Medium	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
310	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor, footpaths and tie ins to existing Unwins Bridge Road.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
311	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.
312	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.
313	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.
314	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.
315	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.
316	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.
317	<i>Fraxinus griffithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Unwins Bridge Road southbound corridor and footpath.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
318	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound) corridor and upgraded intersection at Brown Street.
319	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound) corridor and upgraded intersection at Brown Street.
320	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound) corridor and Brown Street tie ins.
321	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Brown Street surfacing, footpaths and tie ins to Campbell Road.
322	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Brown Street surfacing, footpaths and tie ins to Campbell Road.
323	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Minor	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
324	<i>Melaleuca armillaris</i>	High	Adjacent to footprint	Minor	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
325	<i>Robinia species</i>	Low	Inside footprint	Minor	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
326	<i>Callistemon viminalis</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Brown Street surfacing, footpaths and tie ins to Campbell Road.
327	<i>Celtis australis</i>	Low – Invasive Weed	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound and eastbound) corridors.
328	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound and eastbound) corridors.
329	<i>Celtis australis</i>	Low – Invasive Weed	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound and eastbound) corridors.
330	<i>Syagrus romanzoffiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new underground stormwater retention infrastructure.
331	<i>Syagrus romanzoffiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new underground stormwater retention infrastructure.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
332	<i>Syagrus romanzoffiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new underground stormwater retention infrastructure.
333	<i>Viburnum species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new underground stormwater retention infrastructure.
334	<i>Acmena smithii</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound and eastbound) corridors and median.
335	<i>Murraya paniculata</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (eastbound) corridor and median.
336	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound and eastbound) corridors and median.
337	<i>Tristaniopsis laurina</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound) corridor.
338	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new Campbell Road (westbound) corridor and upgraded intersection with Florence Street.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
339	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road and Florence Street intersection.
340	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road and Florence Street intersection and Florence Street tie ins.
341	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access.
342	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access.
343	<i>Citrus species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access.
344	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access.
345	<i>Araucaria columnaris</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
				Major	100%			
346	<i>Archontophoenix cunninghamiana</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access, and construction of new underground stormwater retention infrastructure.
347	<i>Archontophoenix cunninghamiana</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access, and construction of new underground stormwater retention infrastructure.
348	<i>Eucalyptus scoparia</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility and footpath access, and construction of new underground stormwater retention infrastructure.
349	<i>Cinnamomum camphora</i>	Low – Invasive Weed	Inside footprint	Major	>10%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of Campbell Road car park facility footpath access, and construction of new underground stormwater retention infrastructure. This weed species is incompatible with the landscape design for the project.
350	<i>Celtis australis</i>	Low – Invasive Weed	Adjacent to footprint	Minor	<10%	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal. Any works within the TPZ are to be planned with a consulting arborist.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
351	<i>Pinus radiata</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
352	<i>Cinnamomum camphora</i>	Low – Invasive Weed	Adjacent to footprint	Major	>10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
353	<i>Acmena smithii</i>	Medium	Adjacent to footprint	Minor	<10%	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal. Any works within the TPZ are to be planned with a consulting arborist.
354	<i>Jacaranda mimosifolia</i>	Medium	Adjacent to footprint	Major	>10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
355	<i>Celtis australis</i>	Low – Invasive Weed	Adjacent to footprint	Major	>10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
356	<i>Eucalyptus tereticornis</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of Campbell Road car park facility, and construction of new underground stormwater retention infrastructure.
357	<i>Melaleuca armillaris</i>	Medium	Inside footprint	Major	>10%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of upgraded Campbell Road and St Peters Street intersection and tie in works.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
358	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	>10%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of upgraded Campbell Road and St Peters Street intersection and tie in works.
359	<i>Roystonea regia</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road and St Peters Street intersection.
360	<i>Callistemon viminalis</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road and St Peters Street intersection.
361	<i>Schefflera species</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road and St Peters Street intersection.
362	<i>Araucaria heterophylla</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new underground stormwater retention infrastructure.
363	<i>Eucalyptus robusta</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) corridor.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
364	<i>Plumeria species</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road and St Peters Street intersection.
365	<i>Magnolia soulangiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (eastbound) corridor and pathways.
366	<i>Magnolia soulangiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (eastbound) corridor and pathways.
367	<i>Morus species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (eastbound) corridor and pathways.
368	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (eastbound) corridor.
369	<i>Liquidambar styraciflua</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) corridor and pathways.
370	<i>Eucalyptus species</i>	High	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of new underground stormwater retention infrastructure.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
371	<i>Casuarina glauca</i>	Medium	Adjacent to footprint	Minor	<10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
372	<i>Syagrus romanzoffiana</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
373	<i>Syagrus romanzoffiana</i>	Low	Adjacent to footprint	Major	>10%	Construction	Retain	Limited works will be required within the tree protection zone. A consulting arborist is to provide advice when planning works within the TPZ, such as noise walls, to mitigate impact to this tree.
374	<i>Archontophoenix cunninghamiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) pathways, and construction of new underground stormwater retention infrastructure.
375	<i>Callistemon viminalis</i>	Low	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
376	<i>Elaeocarpus reticulatus</i>	Medium	Outside footprint	None	-	-	Retain	No significant impacts to the subject tree are foreseeable under the current proposal.
377	<i>Eucalyptus microcorys</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
378	<i>Eucalyptus microcorys</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.
379	<i>Eucalyptus microcorys</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.
380	<i>Eucalyptus microcorys</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.
381	<i>Eucalyptus microcorys</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.
382	<i>Eucalyptus microcorys</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.
383	<i>Washingtonia filifera</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and median.
384	<i>Tristaniopsis Laurina</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and tunnel cut and cover works.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
385	<i>Tristaniopsis laurina</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and tunnel cut and cover works.
386	<i>Mixed weed species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and tunnel cut and cover works.
387	<i>Archontophoenix alexandrae</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and tunnel cut and cover works.
388	<i>Callistemon viminalis</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and tunnel cut and cover works.
389	<i>Pittosporum undulatum</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and Princes Highway intersection upgrade.
390	<i>Acacia species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and Princes Highway intersection upgrade.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
391	<i>Mixed weed species</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and Princes Highway intersection upgrade.
392	<i>Jacaranda mimosifolia</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and Princes Highway intersection upgrade.
393	<i>Syagrus romanzoffiana</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not viable given extent of encroachment (100%). Removal required to allow for construction of upgraded Campbell Road (westbound) and Princes Highway intersection upgrade.
423s	<i>Jacaranda mimosifolia</i>	Medium	Adjacent to footprint	Major	>10%	Construction	Retain	To be retained through implementation of non-destructive construction and / or Tree Protection.
424s	<i>Jacaranda mimosifolia</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of Campbell Road car park facility footpath access, and construction of new underground stormwater retention infrastructure.

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
425s	<i>Dyopsis lutescens</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure
426s	<i>Ligustrum</i> sp.	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure
427s	<i>Alnus</i> species	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure
428s	<i>Eucalyptus robusta</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure
429s	<i>Unknown species</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure

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No	Botanical name	Retention value	Tree Location	Encroachment into TPZ		Cause of encroachment	Proposed outcome	Reason for proposed outcome
430s	<i>Celtis australis</i>	Low	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure
431s	<i>Liquidambar styraciflua</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure
432s	<i>Liquidambar styraciflua</i>	Medium	Inside footprint	Major	100%	Construction	Remove	Cannot be retained under current proposal. Pruning and / or protection not recommended given value of tree and extent of encroachment (major). Non-destructive digging not possible due to required construction. Removal required to allow for construction of new underground stormwater retention infrastructure.

7. Recommendations

A total of 284 (grouped as 267) trees were inspected and assessed within the study area. Of these;

- 123 trees (grouped as 121 trees) trees are recommended for retention,
- 16 additional trees are recommended for redesign with the intent to retain these trees. Until the redesign is complete and this tree report updated and approved by Department of Planning and Environment no work that may damage the trees can be undertaken in the tree protection zone.
- 145 trees (grouped as 130) are recommended for removal. 7 of these trees recommended for removal are located outside the deed boundary in private property, consent of the owner must be grant before these trees are removed.

a. Tree protection

The following tree protection measures will be required for the 123 trees suitable for retention which are trees **137, 142-155, 168-170, 173, 177 - 275, 302-305. 323-325 350-355, 371-373, 375-376 and 423s.**

- Tree protection fencing must be established around the perimeter of the TPZ of potentially affected trees. If the protective fencing requires temporary removal, trunk, branch and ground protection must be installed and must comply with AS 4970-2009 - Protection of trees on development sites.
- Any additional construction activities within the TPZ of the subject trees must be assessed and approved by the project arborist, and must comply with AS 4970-2009 - Protection of trees on development sites.
- If any changes are made to Tree Protection Fencing it must be authorised by the site arborist prior to the fencing being removed.

Further information and guidelines on tree protection if required can be provided by Australian Tree Consultants.

b. Inspections

- The site arborist will be required on site to supervise all excavations within the TPZ.
- Scheduled inspections should be undertaken for all subject trees assessed for retention during the course of construction. Normally this is every two (2) weeks. Site diary for Arboricultural works must be kept at the onsite office for the duration of the project. All matters pertaining to tree management must be documented in this diary and signed of as each issue is resolved.

Trees outside of the study area that may be impacted during the works will require additional Arboricultural Assessment. Site arborist to organise as required.

c. Tree work

- All pruning and/or tree removal work is to be carried out by an arborist with a minimum AQF Level 3 qualification or equivalent in Arboriculture.

- All pruning must be in accordance with Australian Standard AS 4373-2007, *Pruning of Amenity Trees*.
- All pruning and/or tree removal work is to be carried out in accordance with the NSW WorkCover Code of Practice for the Amenity Tree Industry (1998).
- Reference should also be undertaken for any tree works to the SafeWork Australia Guide to Managing Risks of Tree Trimming and Removal Work – 2016.
- Permission must be granted from the relevant consent authority, prior to removing or pruning of any of the subject trees.
- Tree material to used for landscaping where practical or disposed of off site.

References

Australian Standard, AS 4373-2007, *Pruning of Amenity Trees*.

Australian Standard, AS 4970-2009, *Protection of Trees on Development Sites*.

Mattheck, C & Breloer, H (1994) '*Field Guide for Visual Tree Assessment*'
Arboricultural Journal, Vol 18 pp 1-23.

SafeWork Australia Guide to Managing Risks of Tree Trimming and Removal Work
– 2016.

WorkCover NSW. 1998. Code of Practice: *Amenity Tree Industry*

Appendix A: Tree Schedule

Campbell Street West - St. Peters										
No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
137	<i>Camellia japonica</i>	Yes	3	3	150	2	1.5	Fair	Fair	
138	<i>Pyrus calleryana</i>	Yes	4	3	200	2.4	2	Fair	Fair	
139	<i>Pyrus calleryana</i>	Yes	4	3	200	2.4	2	Fair	Fair	
140	<i>Pyrus calleryana</i>	Yes	4	3	200	2.4	2	Fair	Fair	
141	<i>Fraxinus raywood</i>	Yes	4	3	200	2.4	2	Fair	Fair	
142	<i>Ficus microcarpa</i>	Yes	20	22	1200	15	4	Good	Good	
143	<i>Ficus microcarpa</i>	Yes	20	21	1200	15	4	Good	Good	
144	<i>Ficus microcarpa</i>	Yes	22	22	1300	15	4	Good	Good	
145	<i>Ficus microcarpa</i>	Yes	22	22	1300	15	4	Good	Good	
146	<i>Ficus microcarpa</i>	Yes	18	20	1100	13.6	4	Good	Good	
147	<i>Ficus microcarpa</i>	Yes	12	12	450	5.4	2.5	Fair	Fair	
148	<i>Ficus microcarpa</i>	Yes	14	14	450	5.4	2.5	Good	Good	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
149	<i>Ficus microcarpa</i>	Yes	15	17	1000	12	3.5	Good	Good	
150	<i>Ficus microcarpa</i>	Yes	14	14	700	8.4	3	Good	Good	
151	<i>Ficus microcarpa</i>	Yes	15	16	700	8.4	3	Good	Good	
152	<i>Ficus microcarpa</i>	Yes	14	14	1200	15	4	Good	Good	
153	<i>Corymbia maculata</i>	Yes	16	12	600	7.2	2.5	Good	Good	
154	<i>Brachychiton acerifolius</i>	Yes	16	9	400	4.8	2.5	Good	Good	
155	<i>Ficus microcarpa</i>	Yes	16	18	1200	15	4	Good	Good	
156	<i>Acmena smithii</i>	Yes	12	8	300	3.6	2	Good	Good	
157	<i>Acmena smithii</i>	Yes	8	5	300	3.6	2	Good	Good	
158	<i>Plumeria species</i>	Yes	3	3	150	2	1.5	Fair	Fair	
159	<i>Washingtonia robusta</i>	Yes	3	3	300	3.6	2	Good	Good	
160	<i>Banksia integrifolia</i>	Yes	4	3	150	2	1.5	Good	Good	
161	<i>Callistemon viminalis</i>	No	7	8	500	6	2.5	Good	Good	

Campbell Street West - St. Peters

No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
162	<i>Callistemon viminalis</i>	No	8	8	600	7.2	2.5	Good	Good	
163	<i>Callistemon viminalis</i>	No	9	9	600	7.2	2.5	Good	Good	
164	<i>Callistemon viminalis</i>	No	5	8	500	6	2.5	Good	Good	
165	<i>Melaleuca quinquenervia</i>	No	8	8	500	6	2.5	Good	Good	
166	<i>Araucaria cunninghamii</i>	No	3	2	150	2	1.5	Good	Good	
167	<i>Ceiba speciosa</i>	Yes	4	2	200	2.4	2	Poor	Poor	Tree is dead
168	<i>Plumeria species</i>	Yes	3	3	150	2	1.5	Fair	Fair	
169	<i>Archontophoenix alexandrae</i>	No	10	2	300	3.6	2	Good	Good	
170	<i>Archontophoenix alexandrae</i>	Yes	8	2	250	3	2	Good	Good	Group of 2 trees
171	<i>Fraxinus raywood</i>	Yes	8	8	350	4.2	2	Good	Good	
172	<i>Fraxinus raywood</i>	Yes	8	8	350	4.2	2	Good	Good	
173	<i>Lagerstroemia indica</i>	No	6	4	200	2.4	2	Good	Good	
174	<i>Fraxinus raywood</i>	Yes	3	1	200	2.4	2	Fair	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
175	<i>Eucalyptus microcorys</i>	Yes	8	8	350	4.2	2	Good	Good	
176	<i>Eucalyptus microcorys</i>	Yes	8	8	350	4.2	2	Good	Good	
177	<i>Lophostemon confertus</i>	Yes	9	8	600	7.2	2.5	Good	Good	
178	<i>Acacia species</i>	Yes	4	4	200	2.4	2	Good	Fair	
179	<i>Robinia species</i>	Yes	3	3	200	2.4	2	Fair	Fair	
180	<i>Magnolia grandiflora</i>	Yes	3	1	150	2	1.5	Good	Good	
181	<i>Robinia species</i>	Yes	4	3	150	2	1.5	Fair	Fair	
182	<i>Bougainvillea species</i>	Yes	3	3	150	2	1.5	Fair	Fair	
183	<i>Dracaena draco</i>	Yes	4	1	300	3.6	2	Good	Good	
184	<i>Robinia species</i>	Yes	4	3	200	2.4	2	Fair	Fair	
185	<i>Magnolia grandiflora</i>	Yes	3	1	150	2	1.5	Good	Good	
186	<i>Cyathea australis</i>	Yes	3	3	150	2	1.5	Good	Good	
187	<i>Robinia species</i>	Yes	3	3	150	2	1.5	Fair	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
188	<i>Salix matsudana</i>	Yes	6	5	300	3.6	2	Fair	Fair	
189	<i>Casuarina glauca</i>	No	12	7	300	3.6	2	Good	Fair	
190	<i>Casuarina glauca</i>	No	12	7	250	3	2	Good	Fair	
191	<i>Casuarina cunninghamiana</i>	No	9	7	300	3.6	2	Good	Fair	
192	<i>Casuarina cunninghamiana</i>	No	9	7	300	3.6	2	Good	Fair	
193	<i>Casuarina glauca</i>	No	12	8	350	4.2	2	Good	Fair	
194	<i>Casuarina glauca</i>	No	11	9	350	4.2	2	Good	Fair	
195	<i>Casuarina cunninghamiana</i>	No	11	6	300	3.6	2	Good	Fair	
196	<i>Casuarina glauca</i>	No	10	7	300	3.6	2	Good	Fair	
197	<i>Casuarina cunninghamiana</i>	No	10	6	300	3.6	2	Good	Fair	
198	<i>Casuarina cunninghamiana</i>	No	12	8	350	4.2	2	Good	Fair	
199	<i>Casuarina cunninghamiana</i>	No	10	7	250	3	2	Good	Fair	
200	<i>Casuarina cunninghamiana</i>	No	9	7	250	3	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
201	<i>Casuarina cunninghamiana</i>	No	11	6	350	4.2	2	Good	Fair	
202	<i>Casuarina cunninghamiana</i>	No	9	6	250	3	2	Good	Fair	
203	<i>Casuarina cunninghamiana</i>	No	9	7	300	3.6	2	Good	Fair	
204	<i>Casuarina cunninghamiana</i>	No	9	6	300	3.6	2	Good	Fair	
205	<i>Casuarina cunninghamiana</i>	No	11	7	300	3.6	2	Good	Fair	
206	<i>Casuarina cunninghamiana</i>	No	12	7	350	4.2	2	Good	Fair	
207	<i>Casuarina glauca</i>	No	12	6	300	3.6	2	Good	Fair	
208	<i>Casuarina cunninghamiana</i>	No	11	6	350	4.2	2	Good	Fair	
209	<i>Casuarina cunninghamiana</i>	No	10	8	300	3.6	2	Good	Fair	
210	<i>Casuarina cunninghamiana</i>	No	11	8	300	3.6	2	Good	Fair	
212	<i>Casuarina glauca</i>	No	10	7	350	4.2	2	Good	Fair	
213	<i>Casuarina glauca</i>	No	9	6	250	3	2	Good	Fair	
214	<i>Casuarina cunninghamiana</i>	No	10	6	350	4.2	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
215	<i>Casuarina cunninghamiana</i>	No	11	7	300	23.6	2	Good	Fair	
216	<i>Casuarina cunninghamiana</i>	No	9	6	250	3	2	Good	Fair	
217	<i>Casuarina glauca</i>	No	10	6	300	3.6	2	Good	Fair	
218	<i>Casuarina cunninghamiana</i>	No	9	6	300	3.6	2	Good	Fair	
219	<i>Casuarina cunninghamiana</i>	No	10	6	250	3	2	Good	Fair	
220	<i>Casuarina cunninghamiana</i>	No	11	6	350	4.2	2	Good	Fair	
221	<i>Casuarina cunninghamiana</i>	No	9	7	300	3.6	2	Good	Fair	
222	<i>Casuarina cunninghamiana</i>	No	12	7	350	4.2	2	Good	Fair	
223	<i>Casuarina cunninghamiana</i>	No	12	6	350	4.2	2	Good	Fair	
224	<i>Casuarina cunninghamiana</i>	No	13	8	350	4.2	2	Good	Fair	
225	<i>Casuarina cunninghamiana</i>	No	10	6	350	4.2	2	Good	Fair	
226	<i>Casuarina glauca</i>	No	9	7	250	3	2	Good	Fair	
227	<i>Casuarina cunninghamiana</i>	No	10	6	300	3.6	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
228	<i>Casuarina cunninghamiana</i>	No	9	6	250	3	2	Good	Fair	
229	<i>Casuarina glauca</i>	No	9	7	300	3.6	2	Fair	Fair	
230	<i>Casuarina cunninghamiana</i>	No	11	7	350	4.2	2	Good	Fair	
231	<i>Casuarina cunninghamiana</i>	No	11	6	350	4.2	2	Good	Fair	
232	<i>Casuarina cunninghamiana</i>	No	10	5	350	4.2	2	Good	Fair	
233	<i>Casuarina cunninghamiana</i>	No	12	6	300	3.6	2	Good	Fair	
234	<i>Casuarina cunninghamiana</i>	No	12	8	300	3.6	2	Good	Fair	
235	<i>Casuarina cunninghamiana</i>	No	12	7	300	3.6	2	Good	Fair	
236	<i>Casuarina cunninghamiana</i>	No	11	6	350	4.2	2	Good	Fair	
237	<i>Casuarina cunninghamiana</i>	No	10	7	300	3.6	2	Good	Fair	
238	<i>Casuarina glauca</i>	No	9	5	300	3.6	2	Good	Fair	
239	<i>Casuarina cunninghamiana</i>	No	11	7	300	3.6	2	Good	Fair	
240	<i>Casuarina cunninghamiana</i>	No	9	5	300	3.6	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
241	<i>Casuarina cunninghamiana</i>	No	12	8	350	4.2	2	Good	Fair	
242	<i>Casuarina cunninghamiana</i>	No	9	5	300	3.6	2	Good	Fair	
243	<i>Casuarina glauca</i>	No	12	7	350	4.2	2	Good	Fair	
244	<i>Casuarina cunninghamiana</i>	No	12	6	300	3.6	2	Good	Fair	
245	<i>Casuarina cunninghamiana</i>	No	11	7	300	3.6	2	Good	Fair	
246	<i>Casuarina cunninghamiana</i>	No	11	6	300	3.6	2	Good	Fair	
247	<i>Casuarina cunninghamiana</i>	No	11	7	300	3.6	2	Good	Fair	
248	<i>Casuarina glauca</i>	No	9	6	300	3.6	2	Good	Fair	
249	<i>Casuarina cunninghamiana</i>	No	11	6	300	3.6	2	Good	Fair	
250	<i>Casuarina cunninghamiana</i>	No	12	7	300	3.6	2	Good	Fair	
251	<i>Casuarina cunninghamiana</i>	No	12	7	350	4.2	2	Good	Fair	
252	<i>Casuarina cunninghamiana</i>	No	11	7	300	3.6	2	Good	Fair	
253	<i>Casuarina cunninghamiana</i>	No	9	6	300	3.6	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
254	<i>Casuarina cunninghamiana</i>	No	12	7	300	3.6	2	Good	Fair	
255	<i>Casuarina glauca</i>	No	10	7	300	3.6	2	Good	Fair	
256	<i>Casuarina cunninghamiana</i>	No	9	6	300	3.6	2	Good	Fair	
257	<i>Casuarina glauca</i>	No	9	6	250	3	2	Good	Fair	
258	<i>Casuarina cunninghamiana</i>	No	10	7	300	3.6	2	Good	Fair	
259	<i>Casuarina cunninghamiana</i>	No	12	7	350	4.2	2	Good	Fair	
260	<i>Casuarina cunninghamiana</i>	No	11	8	350	4.2	2	Good	Fair	
261	<i>Casuarina cunninghamiana</i>	No	11	8	300	3.6	2	Good	Fair	
262	<i>Casuarina glauca</i>	No	12	7	300	3.6	2	Good	Fair	
263	<i>Casuarina cunninghamiana</i>	No	12	6	300	3.6	2	Good	Fair	
264	<i>Casuarina cunninghamiana</i>	No	11	7	300	3.6	2	Good	Fair	
265	<i>Casuarina glauca</i>	No	10	6	300	3.6	2	Good	Fair	
266	<i>Casuarina glauca</i>	No	12	6	300	3.6	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
267	<i>Casuarina cunninghamiana</i>	No	9	5	300	3.6	2	Good	Fair	
268	<i>Casuarina glauca</i>	No	10	6	250	3	2	Good	Fair	
269	<i>Casuarina cunninghamiana</i>	No	12	8	300	3.6	2	Good	Fair	
270	<i>Casuarina cunninghamiana</i>	No	10	5	300	3.6	2	Good	Fair	
271	<i>Casuarina cunninghamiana</i>	No	9	5	300	3.6	2	Good	Fair	
272	<i>Casuarina cunninghamiana</i>	No	11	5	300	3.6	2	Good	Fair	
273	<i>Casuarina cunninghamiana</i>	No	10	5	300	3.6	2	Good	Fair	
274	<i>Casuarina cunninghamiana</i>	No	11	6	350	4.2	2	Good	Fair	
275	<i>Casuarina cunninghamiana</i>	No	10	7	300	3.6	2	Good	Fair	
276	<i>Nerium oleander</i>	Yes	4	4	200	2.4	2	Fair	Fair	
277	<i>Pittosporum undulatum</i>	Yes	4	4	200	2.4	2	Fair	Fair	
278	<i>Nerium oleander</i>	Yes	4	4	200	2.4	2	Fair	Fair	
279	<i>Pittosporum undulatum</i>	Yes	4	4	200	2.4	2	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
280	<i>Nerium oleander</i>	Yes	4	4	200	2.4	2	Fair	Fair	
281	<i>Pittosporum undulatum</i>	Yes	4	4	200	2.4	2	Fair	Fair	
282	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Poor	Poor	
283	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Fair	Poor	
284	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Fair	Poor	
285	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Fair	Fair	
286	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Fair	Poor	
287	<i>Mixed weeds</i>	Yes	3	4	150	2.4	1.5	Fair	Poor	
288	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Fair	Poor	
289	<i>Mixed weeds</i>	Yes	3	4	150	2	1.5	Fair	Poor	
290	<i>Acacia species</i>	Yes	5	5	300	3.6	2	Fair	Fair	
291	<i>Acacia species</i>	Yes	5	5	300	3.6	2	Fair	Fair	
292	<i>Eucalyptus microcorys</i>	Yes	12	8	400	4.8	2.5	Good	Good	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
293	<i>Eucalyptus microcorys</i>	Yes	16	10	650	7.8	3	Good	Good	
294	<i>Pyrus calleryana</i>	Yes	4	3	150	2	1.5	Good	Fair	
295	<i>Populus nigra</i>	Yes	12	7	400	4.8	2.5	Poor	Poor	
296	<i>Pyrus calleryana</i>	Yes	3	3	150	2	1.5	Good	Good	
297	<i>Pyrus calleryana</i>	Yes	4	3	150	2	1.5	Good	Good	
298a	<i>Pyrus calleryana</i>	Yes	3	5	200	2.4	2	Fair	Poor	
298b	<i>Eucalyptus cinerea</i>	Yes	17	8	500	6	2.5	Good	Good	
299	<i>Pyrus calleryana</i>	Yes	5	3	250	3	2	Fair	Fair	
300	<i>Pyrus calleryana</i>	Yes	5	3	250	3	2	Good	Fair	
301	<i>Pyrus calleryana</i>	Yes	4	3	200	3	2	Fair	Fair	
302	<i>Ficus microcarpa</i>	Yes	17	19	1100	13.2	4	Good	Good	
303	<i>Ficus microcarpa</i>	Yes	18	18	1300	15	4	Good	Good	
304	<i>Ficus microcarpa</i>	Yes	18	18	1200	14.4	4	Good	Good	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
305	<i>Ficus microcarpa</i>	Yes	17	20	1300	15	4	Good	Good	Redesign
306	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Good	Fair	
307	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Good	Fair	
308	<i>Plumeria species</i>	Yes	3	3	150	2	1.5	Fair	Fair	
309	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Fair	Fair	
310	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Fair	Fair	
311	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Fair	Fair	
312	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Fair	Fair	
313	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Fair	Fair	
314	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Fair	Fair	
315	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Good	Fair	
316	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Good	Fair	
317	<i>Fraxinus griffithii</i>	Yes	3	3	150	2	1.5	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
318	<i>Tristaniopsis laurina</i>	Yes	9	5	300	3.6	2	Good	Good	
319	<i>Tristaniopsis laurina</i>	Yes	9	5	300	3.6	2	Good	Good	
320	<i>Tristaniopsis laurina</i>	Yes	9	5	300	3.6	2	Good	Good	
321	<i>Tristaniopsis laurina</i>	Yes	9	5	300	3.6	2	Good	Good	
322	<i>Tristaniopsis laurina</i>	Yes	9	5	350	4.2	2	Good	Good	
323	<i>Tristaniopsis laurina</i>	Yes	9	5	300	3.6	2	Good	Good	
324	<i>Melaleuca armillaris</i>	Yes	9	5	300	3.6	2	Good	Good	
325	<i>Robinia species</i>	Yes	4	4	200	2.4	2	Poor	Poor	
326	<i>Callistemon viminalis</i>	Yes	4	4	250	3	2	Fair	Fair	
327	<i>Celtis australis</i>	No	10	8	300	3.6	2	Fair	Good	
328	<i>Pittosporum undulatum</i>	No	7	5	250	3	2	Fair	Fair	
329	<i>Celtis australis</i>	No	8	6	250	3	2	Fair	Fair	
330	<i>Syagrus romanzoffiana</i>	No	12	3	350	4.2	2	Fair	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
331	<i>Syagrus romanzoffiana</i>	No	13	3	350	4.2	2	Fair	Fair	
332	<i>Syagrus romanzoffiana</i>	No	10	3	300	3.6	2	Fair	Fair	
333	<i>Viburnum species</i>	No	9	8	300	3.6	2	Good	Fair	
334	<i>Acmena smithii</i>	No	10	9	350	4.2	2	Good	Fair	
335	<i>Murraya paniculata</i>	No	4	4	150	2	1.5	Fair	Fair	
336	<i>Callistemon viminalis</i>	No	4	3	200	2.4	2	Good	Good	
337	<i>Tristaniopsis laurina</i>	No	4	3	200	2.4	2	Good	Good	
338	<i>Callistemon viminalis</i>	No	4	3	200	2.4	2	Fair	Fair	
339	<i>Callistemon viminalis</i>	No	4	3	200	2.4	2	Good	Fair	
340	<i>Callistemon viminalis</i>	No	3	3	200	2.4	2	Fair	Fair	
341	<i>Callistemon viminalis</i>	No	5	4	250	3	2	Good	Good	
342	<i>Pittosporum undulatum</i>	No	6	4	250	3	2	Fair	Fair	
343	<i>Citrus species</i>	No	3	3	150	2	1.5	Fair	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
344	<i>Callistemon viminalis</i>	No	5	4	350	4.2	2	Good	Good	
345	<i>Araucaria columnaris</i>	No	16	4	500	6	2.5	Good	Good	
346	<i>Archontophoenix cunninghamiana</i>	No	12	3	300	3.6	2	Good	Good	
347	<i>Archontophoenix cunninghamiana</i>	No	10	3	300	3.6	2	Fair	Good	Group of 5 trees
348	<i>Eucalyptus scoparia</i>	No	10	8	400	4.8	2.5	Fair	Fair	
349	<i>Cinnamomum camphora</i>	No	14	9	500	6	2.5	Fair	Fair	
350	<i>Celtis australis</i>	No	14	7	300	3.6	2	Good	Fair	
351	<i>Pinus radiata</i>	No	9	6	500	6	2.5	Poor	Fair	
352	<i>Cinnamomum camphora</i>	No	11	7	450	5.4	2.5	Fair	Fair	
353	<i>Acmena smithii</i>	No	12	9	400	4.8	2.5	Good	Fair	
354	<i>Jacaranda mimosifolia</i>	No	9	9	450	5.4	2.5	Fair	Good	
355	<i>Celtis australis</i>	No	5	4	250	3	2	Fair	Fair	
356	<i>Eucalyptus tereticornis</i>	Yes	19	12	650	7.2	3	Good	Good	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
357	<i>Melaleuca armillaris</i>	Yes	8	8	400	4.8	2.5	Good	Good	
358	<i>Callistemon viminalis</i>	Yes	5	5	300	3.6	2	Fair	Fair	
359	<i>Roystonea regia</i>	Yes	10	3	450	5.4	2.5	Good	Good	
360	<i>Callistemon viminalis</i>	Yes	4	5	300	3.6	2	Fair	Fair	
361	<i>Schefflera species</i>	Yes	12	9	500	6	2.5	Fair	Poor	
362	<i>Araucaria heterophylla</i>	No	16	8	600	7.2	2.5	Good	Good	
363	<i>Eucalyptus robusta</i>	No	15	13	550	6.6	2.5	Good	Good	
364	<i>Plumeria species</i>	Yes	3	4	200	2.4	2	Fair	Fair	
365	<i>Magnolia soulangiana</i>	Yes	3	2	150	2	1.5	Fair	Fair	
366	<i>Magnolia soulangiana</i>	Yes	3	2	150	2	1.5	Fair	Fair	
367	<i>Morus species</i>	Yes	10	9	400	4.8	2.5	Fair	Poor	
368	<i>Pittosporum undulatum</i>	No	7	5	350	4.2	2	Fair	Fair	
369	<i>Liquidambar styraciflua</i>	No	17	16	600	7.2	2.5	Fair	Fair	Group of two trees

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
370	<i>Eucalyptus species</i>	No	18	17	550	6.6	2.5	Good	Fair	
371	<i>Casuarina glauca</i>	No	18	18	600	7.2	2.5	Good	Fair	
372	<i>Syagrus romanzoffiana</i>	No	9	3	300	3.6	2	Fair	Fair	
373	<i>Syagrus romanzoffiana</i>	No	9	2	300	3.6	2	Fair	Fair	Group of two trees
374	<i>Archontophoenix cunninghamiana</i>	No	7	3	300	3.6	2	Good	Good	
375	<i>Callistemon viminalis</i>	No	5	5	300	3.6	2	Good	Fair	
376	<i>Elaeocarpus reticulatus</i>	No	5	5	200	2.4	2	Good	Good	
377	<i>Eucalyptus microcorys</i>	No	18	12	550	6.6	2.6	Good	Good	
378	<i>Eucalyptus microcorys</i>	No	18	12	600	7.2	2.7	Good	Good	
379	<i>Eucalyptus microcorys</i>	No	18	12	600	7.2	2.7	Good	Good	
380	<i>Eucalyptus microcorys</i>	No	18	12	600	7.2	2.7	Good	Good	
381	<i>Eucalyptus microcorys</i>	No	17	12	600	7.2	2.7	Good	Good	
382	<i>Eucalyptus microcorys</i>	No	18	12	600	7.2	2.7	Good	Good	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
383	<i>Washingtonia filifera</i>	No	12	3	300	3.6	2	Good	Good	
384	<i>Tristaniopsis laurina</i>	No	2	1	150	2	1.5	Good	Good	Group of four trees
385	<i>Tristaniopsis laurina</i>	No	3	2	150	2	1.5	Good	Good	Group of four trees
386	<i>Mixed weed species</i>	No	5	5	200	2.4	1.7	Fair	Poor	
387	<i>Archontophoenix alexandrae</i>	No	6	2	250	3	1.8	Good	Good	Group of two trees
388	<i>Callistemon viminalis</i>	No	5	5	250	3	1.8	Fair	Fair	
389	<i>Pittosporum undulatum</i>	No	4	2	200	2.4	1.7	Fair	Fair	Group of two trees
390	<i>Acacia species</i>	No	3	2	150	2	1.5	Fair	Poor	
391	<i>Mixed weed species</i>	No	5	6	200	2.4	1.7	Fair	Fair	
392	<i>Jacaranda mimosifolia</i>	No	7	9	400	4.8	2.3	Good	Fair	
393	<i>Syagrus romanzoffiana</i>	No	10	3	300	3.6	2	Fair	Fair	
423s	<i>Jacaranda mimosifolia</i>	Yes	12	5	300	3.6	2	Good	Fair	
424s	<i>Jacaranda mimosifolia</i>	Yes	13	6	450	5.4	2.5	Good	Fair	

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No.	Botanical name	Surveyed (yes/no)	Height (m)	Spread (m)	DBH (mm)	TPZ (m)	SRZ (m)	Health	Structure	Other notes
425s	Dyopsis lutescens	Yes	4	2	100	2	1.5	Good	Good	3x clumps
426s	Ligustrum sp.	Yes	7	4	250	3	2	Fair	Fair	
427s	Alnus species	Yes	9	7	350	4.2	2	Good	Fair	
428s	Eucalyptus robusta	Yes	11	7	450	5.4	2.5	Poor	Fair	
429s	Unknown species	Yes	8	6	350	4.2	2	Good	Fair	
430s	Celtis australis	Yes	9	9	350	4.2	2.1	Good	Fair	
431s	Liquidambar styraciflua	Yes	13	6	350	4.2	2.1	Good	Good	
432s	Liquidambar styraciflua	Yes	15	7	450	5.4	2.4	Good	Fair	

Appendix B: Tree retention assessment

Tree Significance - Assessment Criteria - STARS®		
Low	Medium	High
<p>The tree is in fair-poor condition and good or low vigour.</p> <p>The tree has form atypical of the species</p> <p>The tree is not visible or is partly visible from the surrounding properties or obstructed by other vegetation or buildings</p> <p>The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area</p> <p>The tree is a young specimen which may or may not have reached dimensions to be protected by local Tree Preservation Orders or similar protection mechanisms and can easily be replaced with a suitable specimen</p> <p>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</p> <p>The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms</p> <p>The tree has a wound or defect that has the potential to become structurally unsound.</p> <p>The tree is an environmental pest species due to its invasiveness or poisonous/allergenic properties.</p> <p>The tree is a declared noxious weed by legislation</p>	<p>The tree is in fair to good condition</p> <p>The tree has form typical or atypical of the species</p> <p>The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area</p> <p>The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street</p> <p>The tree provides a fair contribution to the visual character and amenity of the local area</p> <p>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</p>	<p>The tree is in good condition and good vigour</p> <p>The tree has a form typical for the species</p> <p>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.</p> <p>The tree is listed as a heritage item, threatened species or part of an endangered ecological community or listed on councils significant tree register</p> <p>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.</p> <p>The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values.</p> <p>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.</p>

Useful Life Expectancy - Assessment Criteria – Tree AZ©

Dead	Short	Medium	Long
<p>Trees that should be removed within the next 5 years.</p> <p>Dead, dying, suppressed or declining trees because of disease or inhospitable conditions.</p> <p>Dangerous trees because of instability or recent loss of adjacent trees.</p> <p>Dangerous trees because of structural defects including cavities, decay, included bark, wounds or poor form.</p> <p>Damaged trees that are clearly not safe to retain.</p> <p>Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.</p> <p>Trees that are damaging or may cause damage to existing structures within 5 years.</p> <p>Trees that will become dangerous after removal of other trees for the reasons.</p>	<p>Trees that appear to be retainable at the time of the assessment for 5-15 years with an acceptable level of risk.</p> <p>Trees that may only live between 5 and 15 more years.</p> <p>Trees that could live for more than 15 years but may be removed for safety or nuisance reasons.</p> <p>Trees that could live for more than 40 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.</p> <p>Trees that could be made suitable for retention in the medium term by remedial tree care.</p>	<p>Trees that appear to be retainable at the time of the assessment for 15-40 years with an acceptable level of risk.</p> <p>Trees that may only live between 15 and 40 more years.</p> <p>Trees that could live for more than 40 years but may be removed for safety or nuisance reasons.</p> <p>Trees that could live for more than 40 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.</p> <p>Trees that could be made suitable for retention in the medium term by remedial tree care.</p>	<p>Trees that appear to be retainable at the time of the assessment for more than 40 years with an acceptable level of risk.</p> <p>Structurally sound trees located in positions that can accommodate future growth.</p> <p>Trees that could be made suitable for retention in the long term by remedial tree care.</p> <p>Trees of special significance for historical, commemorative or rarity reasons that would warrant extraordinary efforts to secure their long term retention.</p>

Tree Significance

		High	Medium	Low	
Useful Life Expectancy	Long >40 years				
	Medium 15-40 years				
	Short <1-15 years				
	Dead				

Legend for Matrix Assessment

	<p>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 Protection of trees on development sites. Tree sensitive construction measures must be implemented if works are to proceed within the Tree Protection Zone.</p>
	<p>Consider for retention (Medium): These trees may be retained and protected. These are considered less critical; however their retention should remain priority with the removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.</p>
	<p>Consider for removal (Low): These tree are not considered important for retention, nor require special works or design modification to be implemented for their retention.</p>
	<p>Consider for removal (Low): These tree are not considered important for retention, nor require special works or design modification to be implemented for their retention.</p>

Appendix C: Surveyed Trees

Tree Survey - Bedwin Road

Surveyed Trees



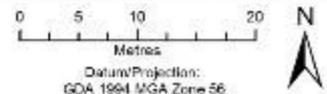
Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS. Prepared by: DH/VH Date: 30/11/2016



Tree Survey - Cnr May Street and Campbell Street

Surveyed Trees



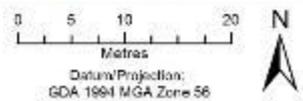
Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment. Trees not surveyed were picked up using GPS.



Prepared by: DHVH Date: 30/11/2016



© Council and Property Information 2015

Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment. Trees not surveyed were picked up using GPS.



Datum/Projection:
 GDA 1994 MGA Zone 56

Prepared by: DHVH Date: 30/11/2016

Tree Survey - Unwins Bridge Road

Surveyed Trees



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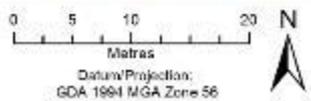
Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



Prepared by: DHVH Date: 30/11/2016



© Land and Property Information 2016

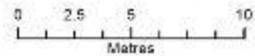
Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
's' displayed after tree labels denotes trees that were picked up with survey equipment.
Trees not surveyed were picked up using GPS.



Date/Projection:
GDA 1984 MGA Zone 56



Prepared by: DH/VH Date: 30/11/2016

Tree Survey - Campbell Street (Hutchinson Street - Florence Street) Surveyed Trees



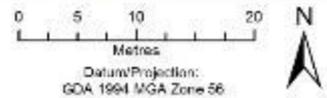
Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.



Prepared by: DH/VH Date: 30/11/2016

Tree Survey - Campbell Steet (Florence Street - St Peters Street) **Surveyed Trees**



Legend

- Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove

Note:
 's' displayed after tree labels denotes trees that were picked up with survey equipment.
 Trees not surveyed were picked up using GPS.

Prepared by: DHVH Date: 30/11/2016

0 5 10 20
Metres

Datum/Projection:
GDA 1984 MGA Zone 56

N



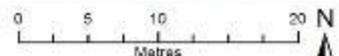
© Land and Property Information 2016

Legend

Project Deed Boundary

Proposed Outcome for Surveyed Trees

- Retain
- Redesign
- Remove



Datum/Projection:
GDA 1984 MGA Zone 56

Note:
's' displayed after tree labels denotes trees
that were picked up with survey equipment.
Trees not surveyed were picked up using GPS.

Prepared by: DHVH Date: 30/11/2016

Tree Survey - Campbell Street (Princes Hwy - Barwon Park Road) Surveyed Trees



<p>Legend</p> <p>— Surface Road Design</p> <p>▭ Project Deed Boundary</p> <p>Proposed Outcome</p> <p>● Retain</p> <p>● Redesign</p> <p>● Remove</p>	<p>Note:</p> <p>'s' displayed after tree labels denotes trees that were picked up with survey equipment.</p> <p>Trees not surveyed were picked up using GPS.</p>	<p>0 5 10 20 Metres</p> <p>Datum/Projection: GDA 1994 MGA Zone 56</p> <p>Prepared by: Date: 20/12/2018</p>
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LIMITATION OF LIABILITY

Australian Tree Consultants Pty Ltd and their employees are tree specialists who use their qualifications, education, knowledge, training, diagnostic tools and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of this assessment and report.

Australian Tree Consultants Pty Ltd and its employees cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that sometimes fail in ways the arboriculture industry does not fully understand. Conditions are often hidden within trees and below ground. Unless otherwise stated, observations have been visually assessed from ground level. Australian Tree Consultants Pty Ltd cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of Australian Tree Consultants Pty Ltd services, such as property boundaries and ownership, disputes between neighbours, sight lines, landlord-tenant matters, and related incidents. Australian Tree Consultants Pty Ltd cannot take such issues into account unless complete and accurate information is given prior or at the time of the site inspection. Likewise Australian Tree Consultants Pty Ltd cannot accept responsibility for the authorisation or non-authorisation of any recommended treatment or remedial measures undertaken.

In the event that Australian Tree Consultants Pty Ltd recommends retesting or inspection of trees at stated intervals or installs any cable/s, bracing systems and support systems, Australian Tree Consultants Pty Ltd must inspect the system installed at intervals not greater than 12 months unless otherwise specified in written reports. It is the client's responsibility to make arrangements with Australian Tree Consultants Pty Ltd to conduct the re-inspection.

Trees can be managed, but they cannot be controlled. To live or work near a tree involves a degree of risk. The only way to eliminate all risks associated with a tree is to eliminate the tree.

All written reports must be read in their entirety, at no time shall part of the written assessment be referred to unless taken in full context of the whole written report.

If this written report is to be used in a court of law or any legal situation Australian Tree Consultants Pty Ltd must be advised in writing prior to the written assessment being presented in any form to any other party.