



# Arboricultural Impact Assessment

Waterloo South  
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Leigh Brennan  
Tree Management Strategies Pty Ltd

✉ leigh@treems.com.au

☎ 0447 356 059

Narrabeen, NSW

🌐 www.treems.com.au

Dip Horticulture  
Dip Arboriculture AQF Level 5  
Cert IV Business Management

ABN 46 651 710 593



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## Summary

This Arboricultural Impact Assessment (AIA) is submitted to the **DPHI** (the Department) on behalf of Stockland and NSW Land and Housing Corporation (the Applicant) in support of a concept State Significant Development Application (SSDA) for the redevelopment of the site within the Waterloo Estate (South), hereby known as 'Waterloo South'.

In November 2024, site inspections were conducted at Waterloo South to assess 540 trees. 523 trees are contained within the site boundary, and 17 are outside the site boundary. The health, condition and retention value of the trees assessed are recorded in the Tree Data Schedule (Appendix 1) and shown on the Tree Location Plan (Appendix 2).

The developmental Impacts are shown on the Tree Impact Plans (Appendices 3 to 8) and explored in the Developmental Impacts and Observations (Section 2) of this report.

The proposed concept design requires the removal of 236 trees. 304 trees are nominated for retention and protection; these trees are shown on the Tree Retention/Protection Plan (Appendix 7).

## 1.0 Introduction

This Arboricultural Impact Assessment (AIA) is submitted to the Department of Planning, Housing and Infrastructure (the Department) on behalf of Stockland and NSW Land and Housing Corporation (the Applicant) in support of a concept State Significant Development Application (SSDA) for the redevelopment of the site within the Waterloo Estate (South) Precinct Area, hereby known as “Waterloo South”.

In this report reference to “Homes NSW” or “the Applicant” shall also be taken to mean “New South Wales Land and Housing Corporation (LAHC)” who is the registered owner of 93 per cent of land within the Waterloo South Precinct Area. Any reference to “Waterloo South” in this report should be read as the redevelopment of land owned by LAHC and associated public land (such as roads) throughout the Precinct Area.

The concept development is categorised as State Significant Development (SSD) as per Section 26, Schedule 1 of *State Environmental Planning Policy Planning Systems 2021* (Planning Systems SEPP) as the project includes housing development carried out by or on behalf of the LAHC, with an estimated development cost (EDC) of more than \$30 million.

The concept, in summary, aims to deliver:

- High quality mixed tenure housing in the context of a rapidly transforming area.
- Approximately 3,300 new dwellings, of which a minimum 30% will be social housing, approximately 20% will be affordable housing, and a maximum 50% will be market housing (measured as a percentage of the total residential gross floor area).
- Publicly accessible open space and public realm activation.
- An authentic mixed-use precinct, with housing co-located with non-residential uses, community facilities, essential services, and access to public transport.

The concept SSDA will guide the detailed design of future buildings, open spaces, and the public realm within the Waterloo South site. The concept SSDA seeks development consent for key planning metrics, including maximum building envelopes, building heights, setbacks, vehicular access points and road network, and the distribution of floor area across different land uses and residential tenure types.

A state-assessed rezoning application has also been prepared and submitted concurrently to give effect to this concept SSDA. The state-assessed rezoning application seeks amendments to the *Sydney Local Environmental Plan 2012* (SLEP 2012) and the Waterloo Estate (South): Design Guide 2022 (2022 Design Guide) to align with the maximum building envelopes sought in this concept SSDA. Notably no additional gross floor area (GFA) or density is sought under the state-assessed rezoning application than is currently permissible on the site under the SLEP 2012.

### 1.1 Relevant SEARs

This Arboricultural Impact Assessment addresses the following relevant Secretary’s Environmental Assessment Requirements (SEARs) set out in the table below.

**Table 1: SEARs Compliance Table**

SEARS Request	Response / Location in Report
<p><b>12. Trees and Landscaping</b></p> <ul style="list-style-type: none"> <li>• Provide an Arboricultural Impact assessment that assesses the number, location, condition and significance of trees to be removed and note any existing canopy coverage to be retained on-site as a result of the concept development.</li> </ul>	<ul style="list-style-type: none"> <li>• Section 2. Development impacts and observations.</li> <li>• Section 3. Tree Protection Specifications for trees to be retained.</li> <li>• Section 5. Conclusions and recommendations.</li> <li>• Appendix 1, 2 and 3 (Tree Data Schedule, (Tree Location plan and Tree Impact Plan).</li> <li>• Existing Canopy Coverage to be retained, refer to Page 48 of the Public Domain and Landscape Report prepared by Aspect Studios.</li> </ul>

### 1.2 The Site

The Waterloo South Precinct Area comprises approximately 123,149m<sup>2</sup> across 10 street blocks in the City of Sydney Local Government Area (LGA), generally bounded by Cope, Raglan, George, Wellington, Gibson, Kellick, Pitt and McEvoy Streets.

The Waterloo South site area, excluding any privately owned properties within the Waterloo South Precinct Area, comprises approximately 114,822m<sup>2</sup>, or just over 93 per cent of the land within the Precinct Area. The legal description of Waterloo South Precinct Area is detailed in Table 2.

Table 2: Legal Description of Waterloo South

Address	Lot/DP
<b>Lots owned by NSW Land and Housing Corporation (land is subject to both the rezoning and the concept SSDA)</b>	
<b>209-219 Cope Street, Waterloo</b>	Lot 1 DP 217386
<b>238-246 George Street, Waterloo</b>	Lot 1 DP 225159
<b>229-231 Cope Street Waterloo</b>	Lot 3 DP 10721
<b>6 John Street, Waterloo</b>	Lot 1 DP 533762
<b>97-109 Cooper Street, Waterloo</b>	Lot A DP 105916, Lot B DP 105916, Lot C DP 105916, Lot 14 DP 10721,
<b>248-254 George Street, Waterloo</b>	Lot 2 DP 533678
<b>232 Pitt Street, Waterloo</b>	Lot 11 DP 635663, Lot 10 DP 635663
<b>74-76 Wellington Street, Waterloo</b>	Lot 1 DP 224728
<b>331-337 George Street, Waterloo</b>	Lot 3 DP 533680
<b>247-251 Cope Street, Waterloo</b>	Lot 1 DP 533679
<b>339-341 George Street, Waterloo</b>	Lot 1 DP 77168
<b>250 Pitt Street, Waterloo</b>	Lot 313 DP 606576
<b>Cooper Street, Waterloo</b>	Lot 3 DP 217386
<b>Lots owned by others (land that does <u>not</u> form a part of the concept SSDA)</b>	
<b>221-223 Cope Street, Waterloo</b>	Lot 6 DP 10721, Lot 7 DP 10721, Lot 9 DP 10721, Lot 8 DP 1147179
<b>225-227 Cope Street, Waterloo</b>	Lot 5 DP 10721, Lot 4 DP 10721

<b>233 Cope Street, Waterloo</b>	Lot 12 DP 1099410, Lots 1-41 SP 79210
<b>116 Wellington Street, Waterloo</b>	Lot 10 DP 10721, Lot 11 DP 10721
<b>111 Cooper Street, Waterloo</b>	Lot 15 DP 10721
<b>291 George Street, Waterloo</b>	Lot 10 DP 1238631, Lots 1-20 SP 96906
<b>110 Wellington Street, Waterloo</b>	Lot 101 DP 1044801, Lots 1-58 SP 69476
<b>336 George Street, Waterloo</b>	Lot 3 DP 10686
<b>213-215 Cope Street, Waterloo</b>	Lot 2 DP 217386

### 1.3 Site and Surrounding Context

The suburb of Waterloo is located within the City of Sydney Local Government Area (LGA) and is located 3km south of Sydney CBD. The site is part of the broader Waterloo Estate, which comprises the northern, central, and southern precincts and accommodates a significant community residing in social housing.

The Waterloo South Precinct Area is predominantly owned by LAHC, however, as outlined in Table 2, the site, the subject of this report, excludes several privately owned lots located within the boundary of the broader Waterloo South precinct outlined in Figure 2. The privately owned lots are currently used for residential, office, light industrial, and infrastructure uses. The LAHC owned sites are currently used almost exclusively for the provision of social housing, with ancillary offices and community facilities. Overall, Waterloo South currently contains a total of 750 social housing dwellings and 120 private dwellings.

As shown in Figure 1, surrounding suburbs include Redfern to the north, Green Square to the south, Alexandria to the west and Zetland to the east. This broader area has been subject to significant change over the last 10 years with projects such as South Eveleigh, Redfern North Eveleigh Precinct Renewal, Waterloo Metro Quarter and Over Station Development (OSD) all contributing to the changing character of the area.

These broader renewal projects are supported by proximity to a range of public transport services, including Redfern Station, Green Square Station, and Waterloo Metro Station, all of which are within walking distance of Waterloo South.

Figure 1: Site Location



Figure 2: Waterloo Estate (South) Project Area



### 1.4 Project Vision and Intended Outcomes

The vision for the site is to create a unique and vibrant mixed-tenure housing precinct that supports the needs of the community and delivers much needed housing in response to National and State Government priorities.

The Vision is to create a new and unique urban village on the Project Land (Gadigal Land) which: delivers new homes, community places and green spaces with diverse housing choice and amenity; prioritises the health and wellbeing of residents; and offers an authentic sense of place and mixed and more sustainable local and mixed communities.

The proposed redevelopment seeks to respond to this Vision by creating a unique and vibrant neighbourhood that can deliver significant social benefits to residents, visitors, and workers in the Waterloo area and broader City of Sydney LGA. The co-location of community uses with housing and employment will ensure the redevelopment is an integrated, accessible and connected precinct that supports the social needs of community.

### 1.5 Proposed Concept SSDA

The concept SSDA seeks concept approval in accordance with section 4.22 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) for the comprehensive redevelopment of the Waterloo South site. The concept proposal, if approved, will guide the detailed design of future buildings, public open spaces, and the public realm within Waterloo South. It will seek concept development consent for key planning metrics for the precinct as generally described in Table 3.

Table 3: Key development metrics

Descriptor	Project Details
<b>Project Area</b>	<ul style="list-style-type: none"> <li>Waterloo South has a developable site area of 114,822sqm / 11.5ha</li> <li>The broader Waterloo South Precinct Area, which includes all LAHC owned and privately owned properties and roads within the precinct, has a site area of 123,149sqm / 12.3ha</li> </ul>
<b>Project Description</b>	<ul style="list-style-type: none"> <li>Maximum building envelopes, including maximum building heights, street-wall heights and setbacks.</li> <li>Distribution of gross floor area (GFA) across the Waterloo South development blocks.</li> <li>Indicative allocation of floor space between social, affordable and market housing, as well as non-residential and community uses across the Waterloo South Precinct Area.</li> <li>Loading, vehicular, pedestrian, and active transport access arrangements.</li> <li>Public domain upgrades and new public domain and publicly accessible areas.</li> <li>Indicative subdivision plan, staging plan and delivery sequencing for development.</li> <li>Approval of the following management plans and strategies to inform future stages of the development:               <ul style="list-style-type: none"> <li>Updated Design Excellence Strategy</li> <li>Design with Country Strategy</li> <li>Preliminary Public Art Strategy</li> <li>Contamination Strategy</li> <li>Flood Management Strategy</li> <li>Stormwater Management and Drainage Strategy</li> <li>ESD Strategy</li> <li>Strategies for utilities and service provision including service infrastructure lead-in enabling works</li> <li>Tree Retention Strategy</li> </ul> </li> </ul>
<b>Land Uses</b>	<p><b>Residential</b></p> <ul style="list-style-type: none"> <li>Social housing: no less than 30% of residential GFA</li> <li>Affordable housing: ~20% of residential GFA (balance between the delivery of minimum 30% social housing and the maximum 50% market housing)</li> <li>Market housing: no greater than 50% of residential GFA</li> </ul> <p><b>Non-residential</b></p> <ul style="list-style-type: none"> <li>A total of 15,000m<sup>2</sup> of GFA, of which at least 5,000m<sup>2</sup> of GFA is to be delivered as 'Community Uses' (which can include childcare, health, education or community facilities).</li> </ul>
<b>Gross Floor Area</b>	Up to 282,485 sqm
<b>Building Heights</b>	Between 2 and 33 storeys

<b>Car Parking</b>	Approximately 1,500 spaces (across all land uses), excluding on-street car parking spaces
<b>Staging/ Phasing</b>	It is expected that the redevelopment will occur in seven (7) stages (inclusive of the delivery of the large park on Block 1), however this staging remains indicative.

## 2.0 Developmental Impacts and Observations

### 2.1 General

In November 2024, site inspections were conducted at Waterloo South to assess 540 trees. 520 trees are contained within the site boundary and 20 outside the site boundary. The health, condition and retention value of the trees assessed are recorded in the Tree Data Schedule (Appendix 1) and shown on the Tree Location Plan (Appendix 2).

The method for this report is outlined in (Appendix 9) Method.

Trees with minor incursions into their NRZ's of below 10% were deemed acceptable, with adequate tree protection measures allowed for.

Trees with moderate incursions into their NRZ's of between 10 and 20% were deemed acceptable with project arborist supervision and tree protection measures allowed for.

Trees with major incursions into their NRZ's of above 20%, with no impact on their Structural Root Zone (SRZ), will require root investigation to assess the quantity and size of roots nominated for removal. The investigation will inform whether the trees health would be negatively impacted by root removals and recommend the retention or removal of trees investigated.

All tree retention values are in accordance with IACA Significance of a Tree, Assessment Rating System (STARS) © (IACA 2010) ©.

Trees that: (a) have a height of 5m or more; or (b) have a canopy spread of over 5m; or (c) have a trunk diameter of more than 300mm, measured at ground level or (d) is listed in the Register of Significant Trees". (Sydney City Council, 2012) were assessed as part of this AIA. Trees not prescribed or identified as exempt species under the City of Sydney's DCP 2012 were not assessed as part of this AIA.

The tree impacts detailed below are based on the plans referenced in (Section 4) of this report.

The developmental impacts placed on the trees assessed are split into four impact categories, which are shown in (Appendices 3 to 6) and explored below.

- Building Envelopes and Roads
- Tree Canopy and Scaffold
- Services-Electrical
- Services-Stormwater, Sewer, Potable Water

The Tree Protection Specifications (Section 3) of this report outline measures to ensure the protection of trees nominated for retention. Trees nominated for retention are shown on the Tree Retention/Protection Plan (Appendix 7).

It is important to note that this AIA is prepared as part of a concept SSDA that will guide future detailed design. It is not a comprehensive investigation into tree impacts. Detailed AIA's will be produced for each individual stage of the SSDA.

## 2.2 Building Envelopes and Roads

### **Tree Removals (236)**

#### 2.2.1 Low Retention Valued trees

59 Trees nominated for removal are given low retention values due to their estimated Useful Life Expectancy (ULE) and Landscape Significance. 59 Trees have major or total unacceptable incursions into their SRZ's and NRZ's that require their removal to support the proposed building envelopes and road alignment. Refer to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan-Building Envelopes and Roads (Appendix 3).

#### 2.2.2 Medium Retention Valued Trees

101 Trees nominated for removal are given medium retention values due to their estimated Useful Life Expectancy (ULE) and Landscape Significance. 101 Trees have major or total unacceptable incursions into their SRZ's and NRZ's that require their removal to support the proposed building envelopes and road alignment. Refer to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan-Building Envelopes and Roads (Appendix 3).

#### 2.2.3 High Retention Valued Trees

76 Trees nominated for removal are given high retention values due to their estimated Useful Life Expectancy (ULE) and Landscape Significance. 76 Trees have major or total unacceptable incursions into their SRZ's and NRZ's that require their removal to support the proposed building envelopes and road alignment. Refer to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan-Building Envelopes and Roads (Appendix 3).

### **Tree Retention (304)**

#### 2.2.4 Unaffected trees

For the trees that are unaffected by the development, refer to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan-Building Envelopes and roads (Appendix 3). Tree protection measures for trees to be retained are outlined in the Tree Protection Specifications (Section 3) of this report.

#### 2.2.5 Trees with Minor Incursions of 10% or below into Their NRZ's

For the trees that have minor acceptable incursions of below 10% into their NRZ's by the proposed building envelopes and road alignment, refer to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan-Building Envelopes and roads (Appendix 3).

The trees will remain healthy and viable with tree protection measures and project arborist supervision, refer to the Tree Protection Specifications outlined in (Section 3) of this report.

### 2.2.6 Trees with Moderate Incursions of between 11-20% into Their NRZ's

For the trees that have moderate incursions of between 11 and 20% into their NRZ's by the proposed building envelopes and road alignment, refer to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan-Building Envelopes (Appendix 3).

To ensure the trees' ongoing health and vitality, it is recommended that:

- The appointed Project Arborist should supervise the excavations for the proposed building's footprint; and
- Mulch and a temporary irrigation system are to be placed within the tree protection zone of the nominated trees.

Refer to the Tree Protection Specifications outlined in (Section 3) of this report for further details on these recommendations.

### 2.2.7 Trees with Major Incursions of above 21% into Their NRZ's

For the trees nominated for retention and have major incursions into their NRZ's of above 20% with no impact on their SRZ's, refer to the Tree Data Schedule (Appendix 1), the Tree Impact Plan-Building Envelopes (Appendix 3) and the Trees Requiring Root Investigation Plan (Appendix 8). These trees will require root investigations to explore the quantity and size of roots nominated for removal. The investigation will inform whether the tree's health may be negatively impacted by the reduction in root mass and advise whether the retention or removal of trees investigated is required.

Refer to the Tree Protection Specifications outlined in (Section 3) of this report for root mapping guidelines.

### 2.2.8 Trees with Major Incursions of above 21% into Their NRZ's with Incursions into their SRZ's

For the trees that are currently nominated for removal due to the theoretical impact into their structural root zones and major impact to their NRZ's, refer to the Tree Data Schedule (Appendix 1), the Tree Impact Plan-Building Envelopes (Appendix 3) and the Trees Requiring Root Investigation Plan (Appendix 8). These trees will require root investigations to explore the quantity and size of roots nominated for removal. The investigation will inform whether the trees health may be negatively impacted by the reduction in root mass and advise whether the retention or removal of trees investigated is required.

Refer to the Tree Protection Specifications outlined in (Section 3) of this report for root investigation guidelines.

### 2.3 Tree Canopy and Scaffold/Hoarding

The scaffold/Hoarding required during the construction phase of the project will be a mixture of Type A and B, depending on the construction location. The scaffold will be erected in line with the City of Sydney's Guidelines for Scaffold and Hoarding. An example of the Type A and B Scaffold and Hoarding is shown in (Figures 3 and 4).

To ensure the potential scaffold impact on trees nominated for retention is appropriately assessed, an indicative scaffold width of 2 metres is shown on the Tree Canopy and Scaffold Plan (Appendix 4).

#### 2.3.1 Trunk Impact

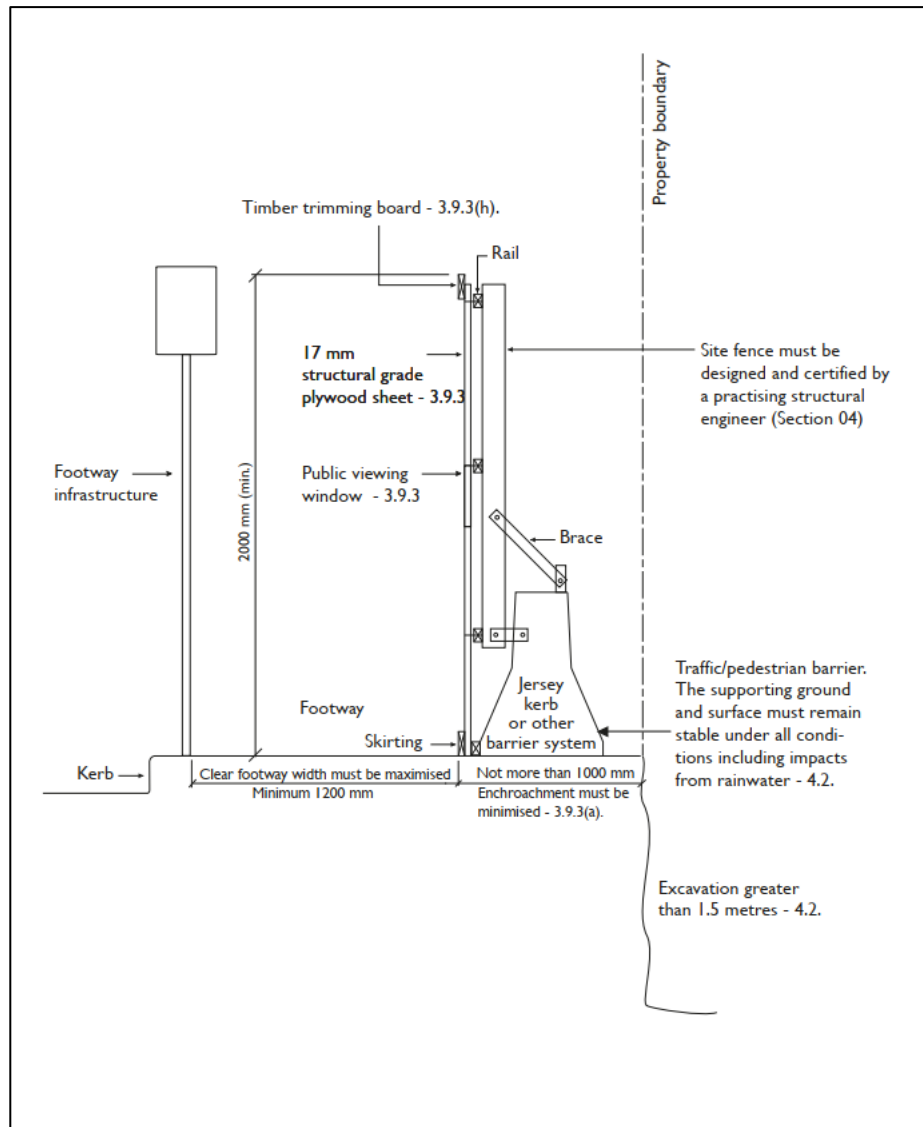
Trees having a potential trunk impact from the scaffold alignment, which will require detailed assessment as part of the AIA's for each individual stage of this SSDA. Refer to the Tree Canopy and Scaffold Plan (Appendix 4). The assessment will be done in conjunction with Scaffold/Hoarding installers to design and construct around trees. The Tree Protection Specifications outlined in (Section 3) of this report give specific guidelines for scaffold installation around trees.

#### 2.3.2 Canopy Impact

Trees having a potential canopy impact from the scaffold alignment, which will require detailed assessment as part of the AIA's for each individual stage of the SSDA. Refer to the Tree Canopy and Scaffold Plan (Appendix 4).

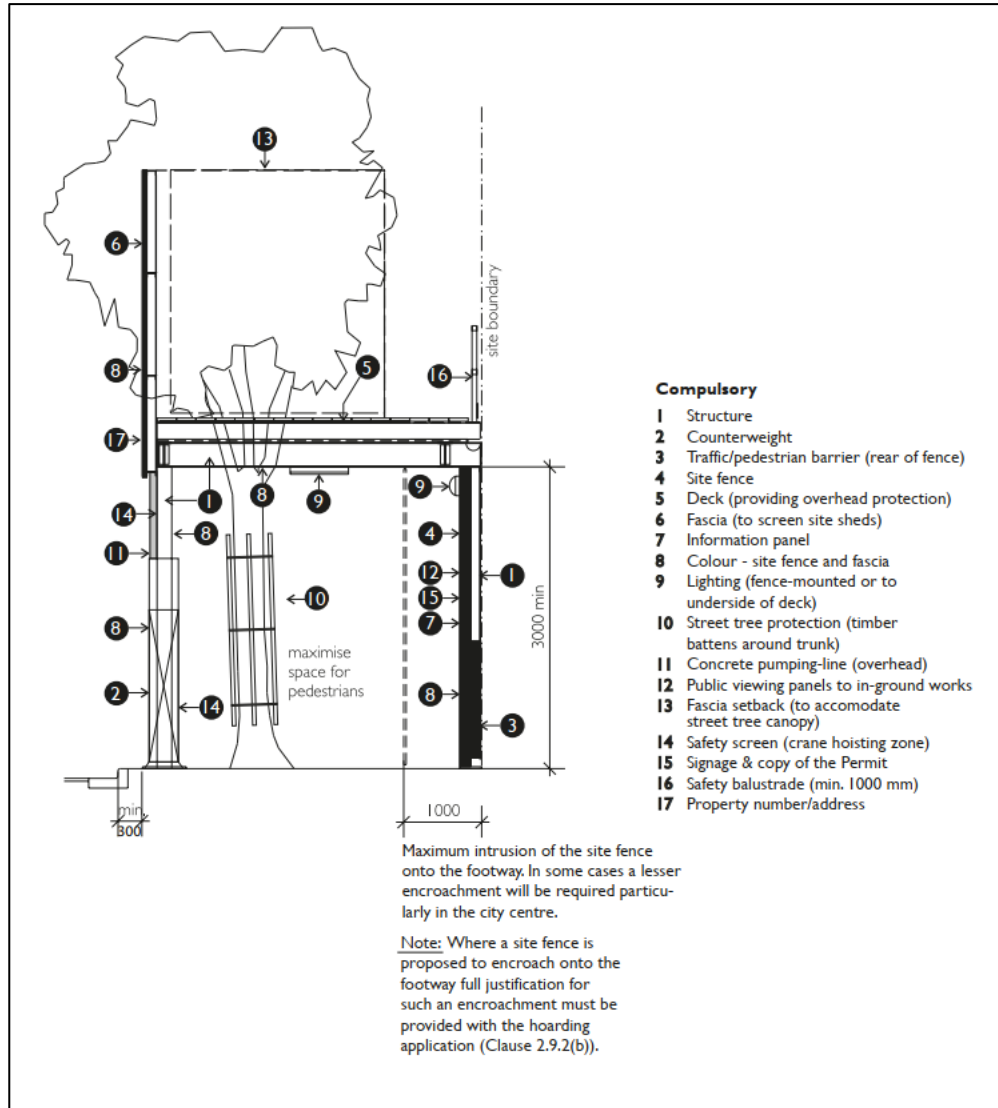
Individual pruning specifications will be required for each of these trees as part of the AIA's for each individual stage of the SSDA. The Tree Protection Specifications outlined in (Section 3) of this report give specific guidelines for the future pruning specifications.

Figure 3: Example of Type A Scaffold Detail



Reference - City of Sydney's Guidelines for Scaffold and Hoarding 2017

Figure 4: Example of Type B Hoarding around Trees



Exerpt of City of Sydney's Guidelines for Scaffold and Hoarding 2017

## 2.4 Services-Electrical

The Tree Impact Plan-Services-Electrical (Appendix 5) displays the current alignment of Electrical Low Voltage (ELV), Electrical High Voltage (EHV) and the street lighting.

Extensive correspondence between Stockland, TMS and Integrated Group Services (IGS) has occurred as part of the concept SSDA. The outcome of design meetings concluded that to ensure minimal impact to trees from the electrical services, sensitive construction methods are to be employed, with two methods to be used where most applicable:

- Under-boring/thrust boring
- Vacuum excavation

The Tree Protection Specifications outlined in (Section 3) of this report give specific guidelines for the sensitive construction methods.

## 2.5 Services-Stormwater, Sewer, Potable Water

The Tree Impact Plan-Services-Stormwater, Sewer, Potable Water (Appendix 6) displays the current location of the proposed Stormwater, Sewer and Potable Water.

Extensive correspondence between Stockland, TMS and Integrated Group Services (IGS) has occurred as part of the concept SSDA. The outcome of design meetings concluded that to ensure minimal impact to trees from the services, sensitive construction methods shall be employed, with two methods to be used where most applicable:

- Under-boring/thrust boring
- Vacuum excavation

The Tree Protection Specifications outlined in (Section 3) of this report give specific guidelines for the sensitive construction methods.

No additional trees are recommended for removal from the location of the current proposed Stormwater, Sewer and Potable Water design.

### 3.0 Tree Protection Specifications

The Tree Protection Specifications are designed to offer design modifications or sensitive construction methods in a step-by-step timeline.

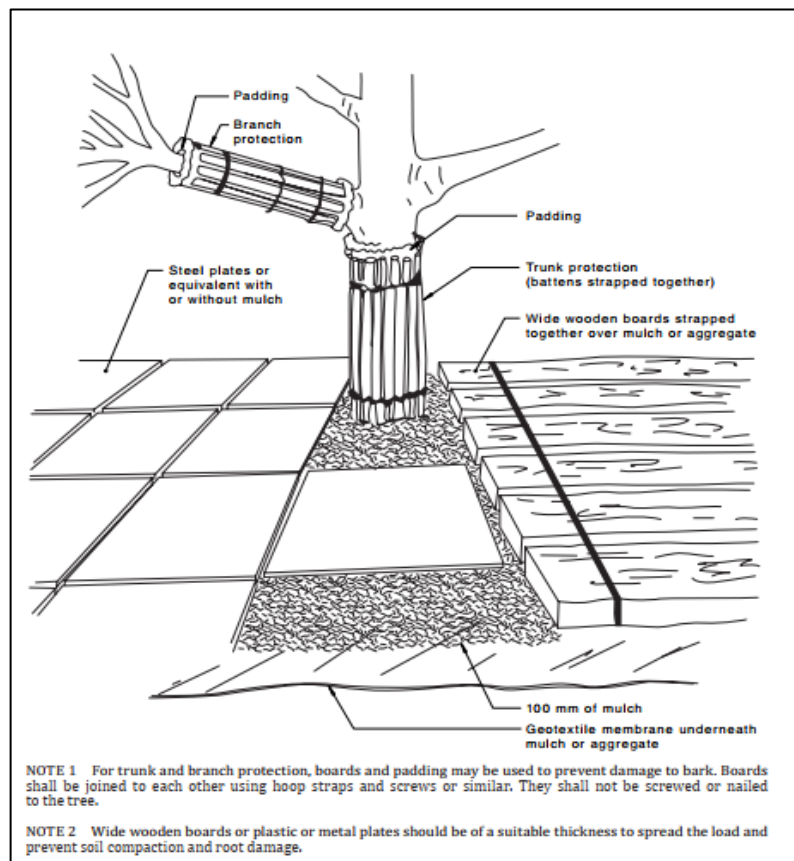
The Tree Retention/Protection Plan (Appendix 7) shows the trees nominated for retention and protection. As the design is still in the concept stage, individual tree protection measures have not been allocated. These measures will be specified in each individual stage of the SSDA.

#### 3.1 Step 1: Trunk Battening and Ground Protection

To ensure the protection of Trees nominated for retention, Trunk and Ground Protection is recommended as per the details outlined in (Figure 5).

The Project Arborist must certify that the protection measures are installed to the required specifications prior to commencement of demolition. The trunk protection should remain in place for the duration of construction.

Figure 5: Trunk Battening and Ground Protection Detail



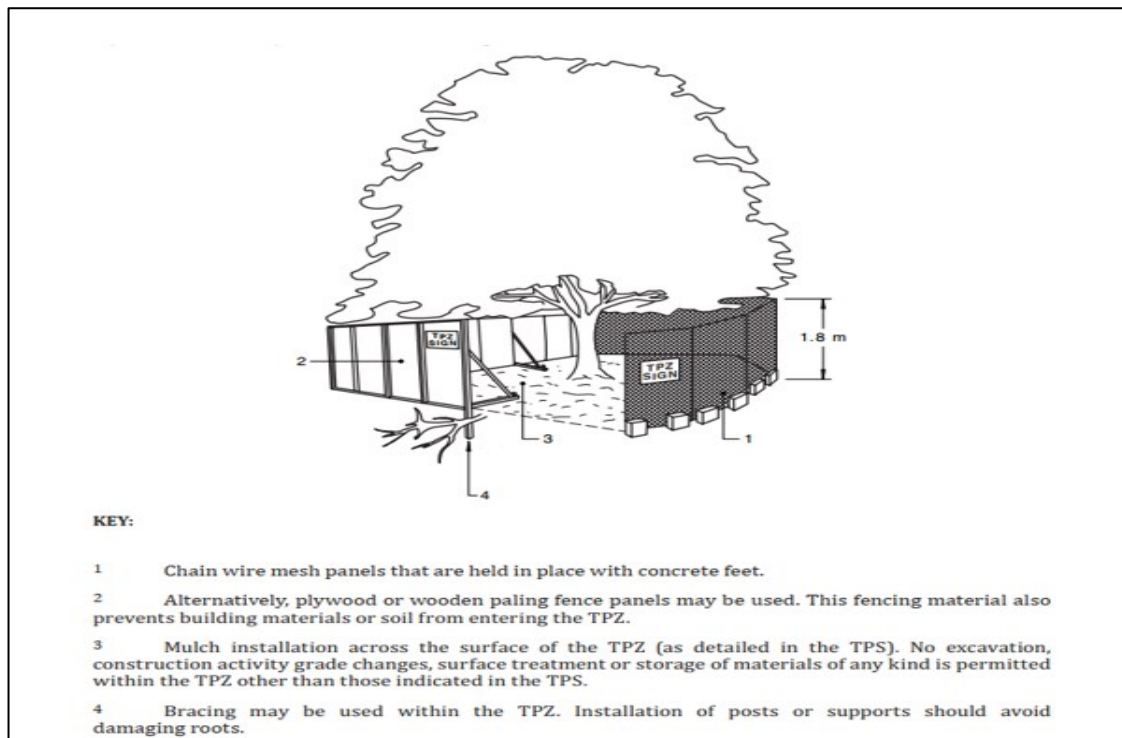
### 3.2 Step 2: Erect Tree Protection Fence

To ensure the protection of trees to be retained, a tree protection fence is recommended as per the details shown in (Figure 6).

The fence detailed in (Figure 6) needs to be erected before demolition commences and remain in place throughout construction.

The Project Arborist must certify that the protection measures are in the correct location and to specifications prior to commencement of Demolition.

Figure 6: Tree Protection Fence



### 3.3 Step 3: Root Investigation

As per the Trees Requiring Root Investigation Plan (Appendix 8) A root investigation is recommended for the 16 trees with major incursions outlined in (Section 2.2) of this report. The investigation will be done to understand the size and extent of tree roots at the edge of the proposed works.

This involves excavating a narrow trench along the line of a proposed excavation. It exposes roots that would be impacted by the works.

The investigation will inform whether the tree's health or structure may be negatively impacted by the reduction in root mass and advise whether the retention or removal of those trees is required.

(Figure 7) shows an example of completed root mapping works.

Figure 7: Root Mapping Example



#### 3.4 Step 4: Pruning Specification

A pruning specification will be required for trees potentially impacted by the location of the proposed scaffold/hoarding.

A pruning specification details the pruning work needed, including branch sizes and locations, and the percentage of the crown to be removed. It includes photographs that clearly show the individual branches to be pruned.

The pruning specifications for trees impacted by scaffold/hoarding will be produced within the individual stages of the SSDA.

### 3.5 Step 5: Addition of Mulch and Temporary Irrigation

Trees nominated for retention with incursions of above 10% will require the addition of mulch and temporary irrigation. These measures are to ensure the trees with a reduced root mass have adequate access to water, nutrients and the ability to compensate for root loss.

- A temporary irrigation system is to be installed within the TPZ's of trees with root zone incursions, prior to the commencement of construction to ensure trees have access to water. The Project Arborist will nominate irrigation scheduling and certify its installation.
- The area within the TPZ of all trees to be retained should be mulched. The mulch must be maintained to a depth of 50–100 mm using material that complies with AS 4454 and installed prior to excavation. The Project Arborist will certify its installation.

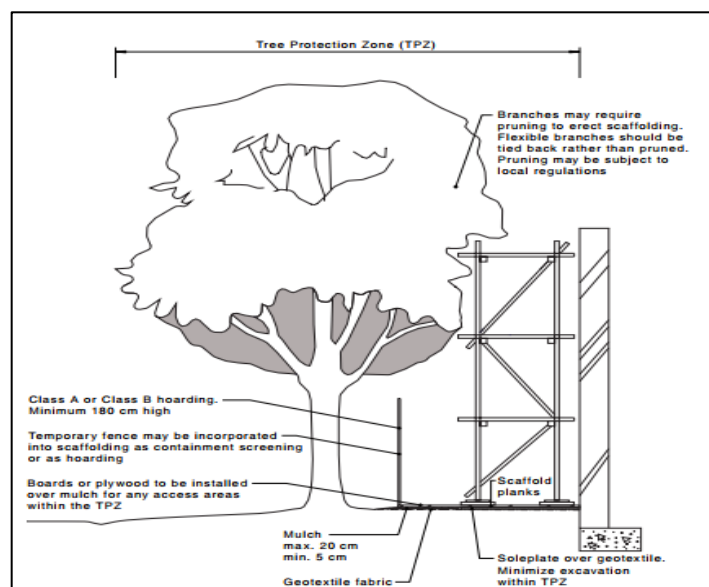
### 3.6 Step 6: Indicative Scaffolding within a TPZ

Where scaffolding is required, it should be erected outside the TPZ. When this is not possible, branch removal should be minimized. This may be achieved by designing or narrowing the scaffolding to avoid branches or tying branches back. Where the relevant authority provides consent, pruning shall be performed as specified and following the process outlined in AS 4373.

The ground below the scaffolding should be protected by boarding (e.g. scaffold board or plywood sheeting), as shown in (Figure 8), to collect falling contaminants such as mortar, render, etc. Where access is required, ground protection should be installed to minimize soil compaction. The ground protection should be left in place until the scaffolding is removed; see Clause 4.5.3 for details of ground protection measures.

Excavation for sole plates or footings of the scaffold should be minimised or otherwise specified by the project arborist where within NRZ.

Figure 8: Scaffolding Detail



### 3.7 Step 7: Sensitive Construction Methods (Services)

#### 1. Under-boring

To minimise root disturbance, under boring is recommended when installing services within the Tree Protection Zone (TPZ). Bore launch and exit pits are to be positioned outside the TPZ, with the drill path set at a depth typically between 600–1000 mm below existing ground level to ensure clearance from structural roots. Prior to commencement, the bore alignment must be reviewed and approved by the project arborist. Drilling is to proceed cautiously, particularly where the bore passes beneath major root areas, and work is to cease immediately if significant resistance is encountered so that the arborist can assess any potential root conflict. No spoil or materials are to be stockpiled within the TPZ, and any adjustments to the bore depth or alignment must be undertaken under arborist direction.

#### 2. Vacuum Excavation

To ensure the nominated tree root systems are protected and not damaged by the stormwater design, vacuum excavation is recommended. The soil is vacuumed around roots, allowing services to be installed under the roots exposed at a minimum depth of 600mm, refer to (Figure 9). The vacuum excavation required for services is recommended to be done under Project Arborist supervision to ensure minimal impact to nominated trees. All stormwater pits should be located outside of the Structural root systems of trees affected.

#### Vacuum Excavation – Tree Root Protection Specifications

- Water Pressure

Maximum: 2000 psi

Higher pressures (above 2200–2500 psi) risk bark stripping and cambium damage.

Use only the minimum pressure needed to loosen soil.

- Nozzle Type

Fan nozzle (not a jet nozzle).

Provides a broad spray pattern that disperses energy, reducing the risk of cutting or scarring roots.

- Working Clearance

Keep nozzle tip at least 150 mm above the ground surface (never directly onto roots).

Work gradually, loosening soil layer by layer.

- Root Handling

Roots  $\geq 30$  mm diameter must not be cut unless approved by project arborist.

Exposed roots must be kept moist if left open for more than 1 hour.

Figure 9: Example Vacuum Excavation



### 3.8 Step 8: Excavation Within the NRZ of Trees with above 10% incursions

Trees with moderate and major incursions into their NRZ's shall have project arborist supervision when excavation commences. The Project Arborist needs to be on-site to identify roots larger than 50mm within and at the outer edge of the NRZ that require pruning. The roots should be pruned with a final cut to undamaged wood. Pruning cuts should be made with sharp tools such as secateurs, pruners, handsaws or chainsaws. Pruning wounds should not be treated with dressings or paints. It is not acceptable for roots within the NRZ to be 'pruned' with machinery such as backhoes or excavators.

### 3.9 Step 9: Monitoring

The Project Arborist must inspect all trees to be retained on a monthly basis, unless otherwise specified by the project arborist, for the duration of the project to ensure tree protection measures are being adhered to and the health of all trees are not being adversely affected. Monitoring to cease following the final inspection and report.

### 3.10 Step 10: General Exclusions within the TPZ

The following activities shall be excluded within the TPZ's of trees to be retained, refer to (Figure 11).

Figure 11: TPZ exclusions

<p><b>4.2 Activities generally excluded from the TPZ</b></p> <p>These include but are not limited to the following:</p> <ul style="list-style-type: none"><li>(a) Excavation, cultivation or disturbance of the soil, including scraping of the surface.</li><li>(b) Equipment and material storage.</li><li>(c) Preparation of chemicals, including preparation of cement products.</li><li>(d) Movement or parking of vehicles and plant.</li><li>(e) Dumping of waste.</li><li>(f) Spreading or stockpiling of fill.</li><li>(g) Refuelling.</li><li>(h) Washing down and cleaning of equipment or hard surfaces.</li><li>(i) Fires.</li><li>(j) Physical damage to the tree.</li></ul>
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*The Project Arborist must be notified in the event any disturbance within the TPZ of trees to be retained is required.*

### 3.11 Step 11: Final Certification

The project arborist will assess the condition of all retained trees and certify that they have not been adversely affected by the development. If required remediation measures to offset development impacts may be required.

## 4.0 Referenced Documents

Plans that were referred to for this report include:

<b>Plan Title</b>	<b>Drawing Number</b>	<b>Consultant</b>	<b>Revision</b>
Tree Location Plan	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	21/01/2026
Tree Impact Building Envelope & Roads	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	13/02/2026
Tree Services Plan– Electrical	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	13/02/2026
Tree Impact Services – Stormwater, Potable water & Sewer	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	13/02/2026
Tree Canopy & Scaffold	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	13/02/2026
Tree Retention and Protection Plan	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	13/02/2026
Tree Root Investigation Plan	TPD_TMS_Waterloo South_T01H	Tree Management Strategies	13/02/2026
Architectural Plans	PR-AR-0901/4 (Basement Extent) PR-AR-0903/3 (Level 00)	SJB	06/02/2026
Civil Plans	PR-SC-SK-4002 PR-SC-SK-4004	WSce	Rev.6 11/11/2025
Electrical Plans	PR-EL-3011	IGS	19/01/2026
Landscape Plan	PR-LS-1000	Aspect Studios	05/02/2026

## 5.0 Conclusions & Recommendations

### Tree Removal (236)

236 trees have major or total impacts from the proposed building envelopes and road alignment.

### Tree Retention (304)

The current concept design retains 304 trees. The Tree Protection Specifications in (Section 3) detail the sensitive construction methods and protection measures required to ensure all trees nominated for retention are adequately safeguarded.

A number of trees are unaffected by the development and will remain healthy and viable with tree protection measures adhered to.

A number of trees have minor to moderate incursions into their NRZs. These impacts are considered acceptable provided appropriate tree protection measures are implemented and supervision by the project arborist is maintained.

A number of trees currently nominated for retention have major incursions into their NRZs which requires further investigation with the use of root mapping. This investigation will determine whether the reduction in root mass is likely to negatively impact tree health and will inform whether these trees should ultimately be retained or removed.

A number of trees are currently nominated for removal due to the theoretical impact to their structural root zones and major impact to their NRZ's. These trees will require further investigation with the use of root mapping. The investigation will inform whether the trees health may be negatively impacted by the reduction in root mass and advise whether the retention or removal of trees investigated is required.

A number of trees have a potential impact to their trunks and canopies by the 2m scaffold/hoarding location. These potential impacts will need to be examined in detail within the AIA for each stage of the SSDA.

To minimise the potential impacts from the proposed electrical, stormwater, sewer and potable water services on trees nominated for retention, sensitive construction techniques, including under-boring and vacuum excavation, are recommended.

We note that there is an intended building awning strategy nominated within the Design Guide. In areas where there is coordination required between proposed awnings and existing trees, we have assumed that the awnings will be coordinated to work around the retained trees so there are no proposed tree removals based on any awning design. This assumption may change based on the final coordinated awning extent and design. As the development of precinct is long-term delivery over 10 years, the trees will change and will require further consideration regarding health, significance and viability which will be further considered and addressed through each detailed Stage SSDA.

## 6.0 References

Shigo, A., 1986, *A New Tree Biology and Dictionary: facts, photos, and philosophies on trees and their problems and proper care*, Snohomish, WA

Council of Standards Australia (July 2025)  
The Australian Standard for the Protection of Trees on Development Sites (AS 4970 – 2025).

Harris, R., Clark, J. and Matheny, N., 2003, *Integrated Management of Landscape Trees, Shrubs, and Vines*, fourth edition, Prentice Hall, Australia

IACA, 2010, *IACA Significance of a Tree, Assessment Rating System (STARS)*, Institute of Australian Consulting Arboriculturists, Australia, [www.iaca.org.au](http://www.iaca.org.au)

Lonsdale, D. (1999). *Principles of Tree Hazard Assessment and Management*. Forestry Commission, London.

Mattheck, C. and Breloer, H (1994) *The Body Language of Trees*. Research for Amenity Trees No.4, The Stationery Office, London.

Expert of City of Sydney's Guidelines for Scaffold and Hoarding 2017 ( 02 – Second Edition 21 November 2016

### Disclaimer:

By the nature of their size, weight and miscellaneous structure, constant exposure to the weather and the elements, susceptibility to insects, pest and decay organisms, and trees always pose an inherent degree of hazard and risk from breakage or failure.

There is no guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the future. No responsibility will be accepted for partial or full failure of any tree.

No responsibility will be accepted for any damage or injury caused by any tree or part thereof referred to in this report.

While great care is taken to accurately diagnose the condition of a tree, it is impossible to accurately determine the true structural condition of the entire tree and any diagnosis, opinions or recommendations expressed are based on several methods of determining tree health.

## 7.0 Appendices

### Appendix 1: Tree Data Schedule



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
1	<i>Eucalyptus microcorys</i>	Tallowwood	0.95	0.69	3.24	8.28	20.00	8.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
2	<i>Eucalyptus microcorys</i>	Tallowwood	0.69	0.95	2.83	11.40	20.00	8.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
3	<i>Eucalyptus microcorys</i>	Tallowwood	0.90	0.69	3.17	8.28	18.00	16.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree showing signs of decline with reduced canopy foliage and deadwood.
4	<i>Eucalyptus microcorys</i>	Tallowwood	0.98	0.70	3.28	8.40	20.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
5	<i>Eucalyptus microcorys</i>	Tallowwood	1.21	0.91	3.59	10.92	22.00	12.00	Mature	Building Envelope & Roads	5%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Multi trucked tree from 3 metres.
6	<i>Eucalyptus microcorys</i>	Tallowwood	1.16	0.93	3.52	11.16	23.00	12.00	Mature	Building Envelope & Roads	6%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
7	<i>Eucalyptus microcorys</i>	Tallowwood	1.10	0.94	3.44	11.28	20.00	12.00	Mature	Building Envelope & Roads	3%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
8	<i>Eucalyptus microcorys</i>	Tallowwood	1.06	0.85	3.39	10.20	20.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Codominant trunk from 1 metre.
9	<i>Eucalyptus microcorys</i>	Tallowwood	1.01	0.84	3.32	10.08	16.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
10	<i>Eucalyptus microcorys</i>	Tallowwood	1.20	1.10	3.57	13.20	20.00	10.00	Mature	Building Envelope & Roads	1%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed. Trunk codominant at 2 metres.
11	<i>Celtis australis</i>	European Nettle Tree	0.80	0.65	3.01	7.80	12.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
12	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.45	0.39	2.37	4.68	6.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
13	<i>Lophostemon confertus</i>	Brush Box	0.24	0.20	1.82	2.40	8.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
14	<i>Lophostemon confertus</i>	Brush Box	0.24	0.20	1.82	2.40	8.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
15	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.46	0.39	2.39	4.68	6.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
16	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.28	0.22	1.94	2.64	4.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
17	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.28	0.22	1.94	2.64	4.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
18	<i>Celtis australis</i>	European Nettle Tree	0.87	0.65	3.12	7.80	8.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
19	<i>Lophostemon confertus</i>	Brush Box	0.24	0.20	1.82	2.40	8.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
20	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.32	0.26	2.05	3.12	8.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
21	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.32	0.26	2.05	3.12	8.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
22	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.32	0.26	2.05	3.12	8.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
23	<i>Celtis australis</i>	European Nettle Tree	0.70	0.53	2.85	6.36	10.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair/Poor	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
24	<i>Eucalyptus pilularis</i>	Blackbutt	0.95	0.73	3.24	8.76	23.00	12.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
25	<i>Afrocarpus falcatus</i>	Sickle-leaved Yellowwood	0.69	0.51	2.83	6.12	8.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
26	<i>Afrocarpus falcatus</i>	Sickle-leaved Yellowwood	0.69	0.51	2.83	6.12	8.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
27	<i>Afrocarpus falcatus</i>	Sickle-leaved Yellowwood	0.69	0.51	2.83	6.12	8.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
28	<i>Afrocarpus falcatus</i>	Sickle-leaved Yellowwood	0.68	0.59	2.81	7.08	10.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
29	<i>Afrocarpus falcatus</i>	Sickle-leaved Yellowwood	0.40	0.33	2.25	3.96	4.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
30	<i>Afrocarpus falcatus</i>	Sickle-leaved Yellowwood	0.68	0.59	2.81	7.08	10.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
31	<i>Casuarina cunninghamiana</i>	River Sheoak	0.40	0.33	2.25	3.96	14.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct



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No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurison %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
32	<i>Casuarina cunninghamiana</i>	River Sheoak	0.40	0.33	2.25	3.96	14.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
33	<i>Casuarina cunninghamiana</i>	River Sheoak	0.66	0.54	2.78	6.48	14.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
34	<i>Casuarina cunninghamiana</i>	River Sheoak	0.40	0.33	2.25	3.96	14.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
35	<i>Casuarina cunninghamiana</i>	River Sheoak	0.63	0.50	2.73	6.00	15.00	4.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in severe decline with reduced foliage, canopy and deadwood observed. Trees outside the precinct
36	<i>Casuarina cunninghamiana</i>	River Sheoak	0.63	0.50	2.73	6.00	15.00	4.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in severe decline with reduced foliage, canopy and deadwood observed.
37	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.33	0.29	2.08	3.48	4.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trunk inclusion at 1.6 metres. Trunk wound from vehicles at 2 metres.
38	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.23	0.19	1.79	2.28	4.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
39	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.23	0.19	1.79	2.28	4.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
40	<i>Lophosteman confertus</i>	Brush Box	0.22	0.18	1.75	2.16	4.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree severely pruned under power lines.
41	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.26	2.10	3.12	4.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
42	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.29	2.10	3.48	4.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees health and condition compromised by power line pruning. Group of trees of similar species, age and health.
43	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.29	2.10	3.48	4.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees health and condition compromised by power line pruning. Group of trees of similar species, age and health.
44	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.29	2.10	3.48	4.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees health and condition compromised by power line pruning. Group of trees of similar species, age and health.
45	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.29	2.10	3.48	4.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees health and condition compromised by power line pruning. Group of trees of similar species, age and health.
46	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.29	2.10	3.48	4.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees health and condition compromised by power line pruning. Group of trees of similar species, age and health.



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47	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.34	0.29	2.10	3.48	4.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees health and condition compromised by power line pruning. Group of trees of similar species, age and health.
48	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.40	0.33	2.25	3.96	5.00	4.00	Mature	Building Envelope & Roads	10%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
49	<i>Fraxinus griffithii</i>	Evergreen Ash	0.34	0.30	2.10	3.60	3.00	3.00	Mature	Building Envelope & Roads	7%	Good	Good	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
50	<i>Celtis australis</i>	European Nettle Tree	0.90	0.67	3.17	8.04	12.00	7.00	Mature	Building Envelope & Roads	26%	Good	Fair	High	High	High	Remove	-	
51	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.32	0.26	2.05	3.12	8.00	3.00	Mature	Building Envelope & Roads	3%	Good	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	2 trees of the same species with similar age, size and health.
52	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.32	0.26	2.05	3.12	8.00	3.00	Mature	Building Envelope & Roads	3%	Good	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	2 trees of the same species with similar age, size and health.
53	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.00	0.83	3.31	9.96	12.00	8.00	Mature	Building Envelope & Roads	31%	Good	Good	High	High	High	Remove	-	
54	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.44	0.38	2.34	4.56	7.00	4.00	Mature	Building Envelope & Roads	13%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	4 trees of the same species with similar age, size and health.
55	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.44	0.38	2.34	4.56	7.00	4.00	Mature	Building Envelope & Roads	13%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	4 trees of the same species with similar age, size and health.
56	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.44	0.38	2.34	4.56	7.00	4.00	Mature	Building Envelope & Roads	14%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	4 trees of the same species with similar age, size and health.
57	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.44	0.38	2.34	4.56	7.00	4.00	Mature	Building Envelope & Roads	12%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	4 trees of the same species with similar age, size and health.
58	<i>Lophostemon confertus</i>	Brush Box	0.15	0.13	1.49	1.56	8	1	Young	Building Envelope & Roads	0%	Good	Good	High	Low	Low	Remove	-	
59	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.8	0.6	3.01	7.2	14	4	Mature	Building Envelope & Roads	28%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree canopy modified by power line pruning.
60	<i>Celtis australis</i>	European Nettle Tree	1.1	1	3.44	12	15	6	Mature	Building Envelope & Roads	35%	Good	Good	High	High	High	Remove	-	
61	<i>Celtis australis</i>	European Nettle Tree	0.94	0.74	3.22	8.88	15.00	8.00	Mature	Building Envelope & Roads	31%	Good	Good	High	High	High	Remove	-	
62	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.69	0.52	2.83	6.24	15.00	6.00	Mature	Building Envelope & Roads	26%	Fair	Fair	High	High	High	Remove	-	Tree canopies modified by powerline pruning.
63	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.69	0.52	2.83	6.24	15.00	6.00	Mature	Building Envelope & Roads	26%	Fair	Fair	High	High	High	Remove	-	Tree canopy modified by powerline pruning.
64	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.69	0.52	2.83	6.24	15.00	6.00	Mature	Building Envelope & Roads	26%	Fair	Fair	High	High	High	Remove	-	Tree canopies modified by powerline pruning.
65	<i>Eucalyptus botryoides</i>	The Bangalay	0.61	0.51	2.69	6.12	16.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
66	<i>Eucalyptus microcorys</i>	Tallowwood	0.47	0.38	2.41	4.56	14.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
67	<i>Eucalyptus botryoides</i>	The Bangalay	0.48	0.42	2.43	5.04	14.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees habit modified by poor powerline pruning.



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
68	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.87	0.76	3.12	9.12	20.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
69	<i>Eucalyptus microcorys</i>	Tallowwood	0.85	0.79	3.09	9.48	20.00	8.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
70	<i>Casuarina cunninghamiana</i>	River Sheoak	1.09	0.90	3.43	10.80	22.00	8.00	Mature	Building Envelope & Roads	100%	Good	Good	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
71	<i>Eucalyptus microcorys</i>	Tallowwood	0.96	0.74	3.25	8.88	25.00	8.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree showing signs of decline with epicormic growth and deadwood to 75mm observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
72	<i>Eucalyptus microcorys</i>	Tallowwood	0.73	0.62	2.90	7.44	21.00	9.00	Mature	Building Envelope & Roads	100%	Good	Good	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
73	<i>Eucalyptus microcorys</i>	Tallowwood	1.00	0.86	3.31	10.32	23.00	12.00	Mature	Building Envelope & Roads	13%	Good	Good	High	High	High	Remove	-	
74	<i>Eucalyptus microcorys</i>	Tallowwood	0.96	0.74	3.25	8.88	22.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
75	<i>Casuarina cunninghamiana</i>	River Sheoak	0.56	0.52	2.59	6.24	18.00	4.00	Mature	Building Envelope & Roads	100%	Poor	Fair/Poor	Medium	Low	Low	Remove	-	Tree in decline with a reduction in canopy and deadwood observed.
76	<i>Casuarina cunninghamiana</i>	River Sheoak	0.73	0.60	2.90	7.20	18.00	5.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	Tree in decline with a reduction in canopy and deadwood observed.
77	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.64	2.93	7.68	20.00	10.00	Mature	Building Envelope & Roads	5%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has a secondary stem growing from base.
78	<i>Eucalyptus microcorys</i>	Tallowwood	0.56	0.45	2.59	5.40	23.00	6.00	Mature	Building Envelope & Roads	1%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
79	<i>Eucalyptus microcorys</i>	Tallowwood	0.56	0.45	2.59	5.40	23.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
80	<i>Eucalyptus microcorys</i>	Tallowwood	0.39	0.31	2.23	3.72	16.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
81	<i>Eucalyptus microcorys</i>	Tallowwood	0.30	0.25	2.00	3.00	12.00	2.00	Semi Mature	Building Envelope & Roads	33%	Fair/Poor	Fair/Poor	Medium	Medium	Low	Remove	-	Tree with a poor form due to competition for light.
82	<i>Eucalyptus microcorys</i>	Tallowwood	0.79	0.60	3.00	7.20	20.00	6.00	Mature	Building Envelope & Roads	39%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	
83	<i>Eucalyptus microcorys</i>	Tallowwood	0.30	0.25	2.00	3.00	12.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Medium	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree with a poor form due to competition for light.
84	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.74	0.62	2.92	7.44	23.00	6.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
85	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	1.11	0.88	3.46	10.56	24.00	8.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
86	<i>Casuarina cunninghamiana</i>	River Sheoak	0.50	0.40	2.47	4.80	14.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Fair/Poor	Medium	Low	Low	Remove	-	
87	<i>Casuarina cunninghamiana</i>	River Sheoak	0.50	0.40	2.47	4.80	14.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Fair/Poor	Medium	Low	Low	Remove	-	
88	<i>Eucalyptus microcorys</i>	Tallowwood	1.09	0.90	3.43	10.80	21.00	8.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Codominant stems from 0.5metres. Included stems at 2 metres.
89	<i>Eucalyptus microcorys</i>	Tallowwood	0.98	0.84	3.28	10.08	24.00	10.00	Mature	Building Envelope & Roads	27%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
90	<i>Ficus macrophylla</i>	Moreton Bay Fig	1.40	1.00	3.81	12.00	14.00	9.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	Medium	High	Remove	-	
91	<i>Eucalyptus microcorys</i>	Tallowwood	1.00	0.90	3.31	10.80	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
92	<i>Eucalyptus microcorys</i>	Tallowwood	1.00	0.90	3.31	10.80	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
93	<i>Eucalyptus microcorys</i>	Tallowwood	1.00	0.90	3.31	10.80	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
94	<i>Liquidambar styraciflua</i>	Sweetgum	0.70	0.56	2.85	6.72	16.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
95	<i>Liquidambar styriflua</i>	Liquidambar	0.61	0.46	2.69	5.52	12.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has poor structure due to power line pruning.
96	<i>Liquidambar styraciflua</i>	Sweetgum	0.35	0.27	2.13	3.24	5.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
97	<i>Liquidambar styraciflua</i>	Sweetgum	0.60	0.43	2.67	5.16	10.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
98	<i>Lophostemon confertus</i>	Brush Box	0.15	0.13	1.49	1.56	4.00	1.00	Young	No Impacted by the proposed development	0%	Good	Good	High	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
99	<i>Lophostemon confertus</i>	Brush Box	0.15	0.13	1.49	1.56	4.00	1.00	Young	No Impacted by the proposed development	0%	Good	Good	High	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
100	<i>Lophostemon confertus</i>	Brush Box	0.95	0.83	3.24	9.96	16.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree habit modified by power line pruning.
101	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.20	1.02	3.57	12.24	18.00	8.00	Mature	Building Envelope & Roads	32%	Good	Fair	High	High	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
102	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.42	0.34	2.30	4.08	10.00	3.00	Semi Mature	Building Envelope & Roads	2%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	Tree form modified due to a lack of light. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
103	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.83	0.70	3.06	8.40	8.00	4.00	Mature	Building Envelope & Roads	5%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
104	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.52	0.42	2.51	5.04	10.00	5.00	Over Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	Tree in decline with a reduction in canopy and deadwood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
105	<i>Casuarina cunninghamiana</i>	River Sheoak	0.46	0.40	2.39	4.80	16.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
106	<i>Casuarina cunninghamiana</i>	River Sheoak	1.13	0.86	3.48	10.32	18.00	6.00	Mature	Building Envelope & Roads	22%	Fair	Fair	High	High	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
107	<i>Casuarina cunninghamiana</i>	River Sheoak	0.55	0.43	2.57	5.16	14.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree habit modified by a lack of light.



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
108	<i>Casuarina cunninghamiana</i>	River Sheoak	0.63	0.50	2.73	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Branch inclusion observed at 2 metres. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
109	<i>Casuarina cunninghamiana</i>	River Sheoak	0.97	0.82	3.27	9.84	15.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
110	<i>Waterhouisia floribunda</i>	Weeping Lilly Pilly	0.18	0.15	1.61	1.80	8.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	High	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
111	<i>Casuarina cunninghamiana</i>	River Sheoak	0.80	0.64	3.01	7.68	14.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
112	<i>Eucalyptus botryoides</i>	The Bangalay	0.72	0.58	2.88	6.96	16.00	8.00	Mature	Building Envelope & Roads	25%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	
113	<i>Casuarina cunninghamiana</i>	River Sheoak	0.58	0.46	2.63	5.52	14.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Low	Remove	-	Tree showing signs of decline with reduced foliage and deadwood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
114	<i>Casuarina cunninghamiana</i>	River Sheoak	0.71	0.54	2.87	6.48	14.00	5.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
115	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.62	0.51	2.71	6.12	10.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
116	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.54	0.40	2.55	4.80	12.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
117	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.88	0.76	3.14	9.12	12.00	8.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
118	<i>Ficus rubiginosa</i>	Port Jackson Fig	0.80	0.68	3.01	8.16	14.00	8.00	Mature	Building Envelope & Roads	42%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
119	<i>Ficus rubiginosa</i>	Port Jackson Fig	0.80	0.68	3.01	8.16	14.00	8.00	Mature	Building Envelope & Roads	44%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
120	<i>Ficus rubiginosa</i>	Port Jackson Fig	0.80	0.68	3.01	8.16	14.00	8.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
121	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.80	0.70	3.01	8.40	6.00	3.00	Mature	Building Envelope & Roads	42%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	
122	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.80	0.70	3.01	8.40	6.00	3.00	Mature	Building Envelope & Roads	44%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	
123	<i>Ficus benjamina</i>	Weeping Fig	0.45	0.40	2.37	4.80	6.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
124	<i>Ficus macrophylla</i>	Moreton Bay Fig	0.20	0.15	1.68	1.80	6.00	2.00	Young	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
125	<i>Eucalyptus microcorys</i>	Tallowwood	1.20	1.00	3.57	12.00	16.00	14.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



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No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
126	<i>Eucalyptus microcorys</i>	Tallowwood	1.05	0.85	3.38	10.20	16.00	8.00	Mature	Building Envelope & Roads	3%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
127	<i>Eucalyptus microcorys</i>	Tallowwood	0.82	0.66	3.04	7.92	20.00	8.00	Mature	Building Envelope & Roads	11%	Good	Fair	High	High	High	Remove	-	Tree is multi trunked at 2 metres. Branch attachment is included, however, no reaction wood observed.
128	<i>Eucalyptus microcorys</i>	Tallowwood	0.84	0.69	3.08	8.28	22.00	8.00	Mature	Building Envelope & Roads	9%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
129	<i>Eucalyptus microcorys</i>	Tallowwood	0.50	0.43	2.47	5.16	20.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
130	<i>Eucalyptus microcorys</i>	Tallowwood	0.80	0.67	3.01	8.04	20.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
131	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	8.00	1.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree is within existing unit courtyards.
132	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	8.00	1.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree is within existing unit courtyards.
133	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	8.00	1.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	Tree is within existing unit courtyards.
134	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.91	0.75	3.18	9.00	25.00	10.00	Mature	Building Envelope & Roads	29%	Good	Fair	High	High	High	Remove	-	Tree in good health. Minor deadwood and epicormic
135	<i>corymbia maculata</i>	Spotted Gum	0.90	0.68	3.17	8.16	23.00	10.00	Mature	Building Envelope & Roads	19%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
136	<i>corymbia maculata</i>	Spotted Gum	0.34	0.27	2.10	3.24	12.00	8.00	Semi Mature	Building Envelope & Roads	100%	Fair	Poor	Medium	Low	Low	Remove	-	Tree habit modified and suppressed by light restriction.
137	<i>Eucalyptus microcorys</i>	Tallowwood	0.99	0.83	3.30	9.96	18.00	11.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Tree has branch inclusions at 5 metres.
138	<i>Eucalyptus microcorys</i>	Tallowwood	0.76	0.66	2.95	7.92	16.00	9.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
139	<i>Eucalyptus microcorys</i>	Tallowwood	0.79	0.68	3.00	8.16	15.00	11.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	High	Medium	Remove	-	
140	<i>Eucalyptus microcorys</i>	Tallowwood	1.02	0.90	3.34	10.80	18.00	12.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	High	High	Remove	-	Tree with a fair health. Minor deadwood, epicormic growth and a trunk inclusion at 1 metre observed.
141	<i>Eucalyptus microcorys</i>	Tallowwood	0.83	0.69	3.06	8.28	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
142	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
143	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	25%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
144	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	24%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
145	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	22%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
146	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	12%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
147	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	10%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
148	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	3%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
149	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
150	<i>Eleocharpus eumundii</i>	Smooth-leaved Quandong	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	Tree within a suspended courtyard.
151	<i>Pittosporum undulatum</i>	Native Daphne	0.26	0.22	1.88	2.64	6.00	1.00	Mature	Building Envelope & Roads	100%	Fair	Poor	Medium	Low	Low	Remove	-	Tree has had a previous root plate failure.
152	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.02	0.80	3.34	9.60	12.00	4.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree showing signs of decline with deadwood and a reduction in canopy observed. Tree in a suspended courtyard.
153	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	0.35	0.27	2.13	3.24	10.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
154	<i>Syzygium leuhmannii</i>	Small-leaved Lilly Pilly	0.21	0.25	1.72	3.00	6.00	1.00	Semi Mature	No Impacted by the proposed development	0%	Good	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees outside the precinct
155	<i>Ficus macrophylla</i>	Moreton Bay Fig	1.00	0.82	3.31	9.84	14.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree potentially on the Significant tree register. Trees outside the precinct
156	<i>Ficus macrophylla</i>	Moreton Bay Fig	2.05	1.80	4.47	15	24.00	14.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree potentially on the Significant tree register. Trees outside the precinct
157	<i>Ficus macrophylla</i>	Moreton Bay Fig	2.00	1.58	4.43	15	20.00	14.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree potentially on the Significant tree register. Trees outside the precinct
158	<i>Ficus macrophylla</i>	Moreton Bay Fig	1.80	1.51	4.24	15	20.00	14.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree potentially on the Significant tree register. Trees outside the precinct
159	<i>Eucalyptus punctata</i>	Grey Gum	0.90	0.76	3.17	9.12	21.00	12.00	Mature	Building Envelope & Roads	1%	Fair	Fair	High	Medium	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has basal wound and decay.
160	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	1.10	0.92	3.44	11.04	18.00	16.00	Mature	Building Envelope & Roads	6%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
161	<i>Celtis occidentalis</i>	Hackberry	0.33	0.23	2.08	2.76	12.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	Weed species.
162	<i>corymbia maculata</i>	Spotted Gum	0.33	0.26	2.08	3.12	16.00	6.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	Tree modified through light restriction.
163	<i>corymbia maculata</i>	Spotted Gum	0.78	0.65	2.98	7.80	25.00	12.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
164	<i>Eucalyptus botryoides</i>	The Bangalay	0.85	0.70	3.09	8.40	16.00	8.00	Mature	Building Envelope & Roads	30%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Bracket fungi observed at 4 metres.
165	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.00	0.80	3.31	9.60	16.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	Medium	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Multi stemmed from base.
166	<i>Strelitzia nicolai</i>	White Bird-Of-Paradise	0.30	0.20	2.00	2.40	8.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	
167	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	1.18	0.97	3.55	11.64	28.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
168	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.85	0.65	3.09	7.80	25.00	12.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	Medium	High	Remove	-	Tree in good health. Minor deadwood observed.
169	<i>Eucalyptus botryoides</i>	The Bangalay	0.60	0.53	2.67	6.36	14.00	7.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree has signs of decline with epicormic growth and deadwood.
170	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	0.30	0.20	2.00	2.40	10.00	2.00	Young	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	
171	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	1.00	0.82	3.31	9.84	26.00	12.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
172	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.23	0.18	1.79	2.16	5.00	2.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
173	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.23	0.18	1.79	2.16	5.00	2.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
174	<i>Eucalyptus microcorys</i>	Tallowwood	0.93	0.80	3.21	9.60	16.00	12.00	Mature	Building Envelope & Roads	20%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
175	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.72	0.60	2.88	7.20	30.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
176	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.20	1.00	3.57	12.00	16.00	8.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	Medium	High	Remove	-	Multi trucked tree from base.
177	<i>Shinus molle</i>	Peppercorn	1.00	0.75	3.31	9.00	10.00	4.00	Over Mature	Building Envelope & Roads	100%	Poor	Poor	Low	Low	Low	Remove	-	Tree overmature and in severe decline.
178	<i>Eucalyptus botryoides</i>	The Bangalay	0.50	0.41	2.47	4.92	10.00	12.00	Semi Mature	Building Envelope & Roads	100%	Fair	Poor	Medium	Low	Low	Remove	-	Tree with poor structure on a 25 degree angle.
179	<i>Eucalyptus botryoides</i>	The Bangalay	0.98	0.85	3.28	10.20	20.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
180	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.95	0.82	3.24	9.84	18.00	12.00	Mature	Building Envelope & Roads	20%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
181	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	1.20	0.96	3.57	11.52	28.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
182	<i>Lophostemon confertus</i>	Brush Box	0.80	0.69	3.01	8.28	16.00	10.00	Mature	Building Envelope & Roads	37%	Fair	Fair	High	Medium	Medium	Remove	-	Trunk inclusion at 1 metre.
183	<i>Harpephyllum caffrum</i>	Kaffir Plum	1.18	0.90	3.55	10.80	20.00	10.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	Medium	Medium	Remove	-	Trunk and branch inclusions observed.
184	<i>Persea americana</i>	Avocado	0.30	0.20	2.00	2.40	10.00	4.00	Semi Mature	Building Envelope & Roads	5%	Fair	Fair	Medium	Low	Low	Remove	-	
185	<i>Persea americana</i>	Avocado	0.30	0.20	2.00	2.40	10.00	4.00	Semi Mature	Building Envelope & Roads	0%	Fair	Fair	Medium	Low	Low	Remove	-	
186	<i>Persea americana</i>	Avocado	0.30	0.20	2.00	2.40	10.00	4.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	
187	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.50	0.40	2.47	4.80	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	
188	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.50	0.40	2.47	4.80	16.00	5.00	Mature	Building Envelope & Roads	46%	Fair	Fair	Medium	Low	Medium	Remove	-	
189	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.50	0.40	2.47	4.80	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	
190	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.50	0.40	2.47	4.80	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	
191	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.50	0.40	2.47	4.80	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	
192	<i>Eucalyptus microcorys</i>	Tallowwood	0.62	0.50	2.71	6.00	12.00	10.00	Mature	Building Envelope & Roads	7%	Poor	Fair		Low	Low	Remove	-	Tree in decline with deadwood and a reduction in canopy cover.
193	<i>Ficus benjamina</i>	Weeping Fig	0.67	0.60	2.80	7.20	10.00	8.00	Mature	Building Envelope & Roads	45%	Fair	Poor	Medium	Low	Low	Remove	-	Poor specimen planted in the wrong location.
194	<i>Eucalyptus racemosa</i>	Scribbly Gum	0.33	0.25	2.08	3.00	10.00	3.00	Semi Mature	Building Envelope & Roads	7%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	
195	<i>Casuarina glauca</i>	Swamp Oak	0.64	0.50	2.74	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	Medium	Medium	Remove	-	
196	<i>Casuarina glauca</i>	Swamp Oak	0.64	0.50	2.74	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	Medium	Medium	Remove	-	
197	<i>Casuarina glauca</i>	Swamp Oak	0.64	0.50	2.74	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	Medium	Medium	Remove	-	
198	<i>Corymbia maculata</i>	Spotted Gum	0.64	0.52	2.74	6.24	25.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
199	<i>Casuarina cunninghamiana</i>	River Sheoak	1.10	0.94	3.44	11.28	22.00	9.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
200	<i>Persea americana</i>	Avocado	0.25	0.20	1.85	2.40	8.00	2.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	
201	<i>Eucalyptus botryoides</i>	The Bangalay	0.95	0.87	3.24	10.44	18.00	12.00	Mature	Building Envelope & Roads	35%	Good	Fair	High	High	High	Remove	-	
202	<i>Eucalyptus botryoides</i>	The Bangalay	0.54	0.42	2.55	5.04	10.00	6.00	Mature	Building Envelope & Roads	18%	Fair	Poor	Medium	Low	Low	Remove	-	Tree has poor form due to powerline pruning.
203	<i>Araucaria heterophylla</i>	Norfolk Island Pine	0.60	0.50	2.67	6.00	12.00	3.00	Semi Mature	Building Envelope & Roads	38%	Good	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree has a trunk inclusion at 1metre.
204	<i>Corymbia citriodora</i>	Lemon-Scented Gum	0.82	0.61	3.04	7.32	22.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Minor deadwood observed.
205	<i>Corymbia citriodora</i>	Lemon-Scented Gum	0.82	0.61	3.04	7.32	22.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
206	<i>Corymbia citriodora</i>	Lemon-Scented Gum	0.82	0.61	3.04	7.32	22.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Minor deadwood observed.
207	<i>Corymbia citriodora</i>	Lemon-Scented Gum	1.00	0.89	3.31	10.68	28.00	16.00	Mature	Building Envelope & Roads	100%	Good	Good	High	Medium	High	Remove	-	Tree in good health. Minor deadwood observed.



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208	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.00	0.87	3.31	10.44	11.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Multi trucked from 2 metres.
209	<i>Tristaniaopsis laurina</i>	Water Gum	0.27	0.20	1.91	2.40	7.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
210	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.96	0.83	3.25	9.96	22.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree multi trucked from 2 metres.
211	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.96	0.85	3.25	10.20	18.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
212	<i>Waterhouisia floribunda</i>	Weeping Lilly Pilly	0.15	0.13	1.49	1.56	8.00	1.00	Semi Mature	No Impacted by the proposed development	0%	Good	Good	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
213	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.05	0.90	3.38	10.80	16.00	7.00	Mature	Building Envelope & Roads	32%	Good	Fair	High	High	High	Remove	-	Multi trucked from 2 metres.
214	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.05	0.90	3.38	10.80	16.00	7.00	Mature	Building Envelope & Roads	33%	Good	Fair	High	High	High	Remove	-	Multi trucked from 2 metres.
215	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.05	0.90	3.38	10.80	16.00	7.00	Mature	Building Envelope & Roads	24%	Good	Fair	High	High	High	Remove	-	Multi trucked from 2 metres.
216	<i>Eucalyptus botryoides</i>	The Bangalay	0.94	0.81	3.22	9.72	16.00	12.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
217	<i>Waterhouisia floribunda</i>	Weeping Lilly Pilly	0.23	0.19	1.79	2.28	10.00	3.00	Mature	No Impacted by the proposed development	0%	Good	Good	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
218	<i>Tristaniaopsis laurina</i>	Water Gum	0.28	0.20	1.94	2.40	7.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
219	<i>Tristaniaopsis laurina</i>	Water Gum	0.28	0.20	1.94	2.40	7.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
220	<i>Ficus 'Hillii'</i>	Hill's Weeping Fig	1.23	1.07	3.61	12.84	20.00	15.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health and vigour.
221	<i>Ficus 'Hillii'</i>	Hill's Weeping Fig	1.15	1.02	3.51	12.24	20.00	14.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has previous trunk failure at 1 metre. Branch inclusions observed throughout canopy.
222	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.90	0.72	3.17	8.64	20.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Fair	Medium	High	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood, bracket fungi and epicormic growth observed.
223	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.90	0.72	3.17	8.64	20.00	10.00	Mature	Building Envelope & Roads	26%	Good	Fair	Medium	High	Medium	Remove	-	Deadwood, bracket fungi and epicormic growth observed.
224	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.90	0.72	3.17	8.64	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Fair	Medium	High	Medium	Remove	-	Deadwood, bracket fungi and epicormic growth observed.
225	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.90	0.72	3.17	8.64	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Fair	Medium	High	Medium	Remove	-	Deadwood, bracket fungi and epicormic growth observed.
226	<i>Ficus 'Hillii'</i>	Hill's Weeping Fig	11.00	1.00	9.06	12.00	22.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
227	<i>Ficus rubiginosa</i>	Port Jackson Fig	1.30	1.17	3.69	14.04	18.00	12.00	Mature	Building Envelope & Roads	1%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed. Tree potentially on the Significant tree register.



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
228	<i>Ficus rubiginosa</i>	Port Jackson Fig	2.20	1.92	4.61	15.00	16.00	11.00	Mature	Building Envelope & Roads	14%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following	Tree in good health. Minor deadwood observed. Tree potentially on the Significant tree register.
229	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.42	0.35	2.30	4.20	8.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
230	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	0.90	0.80	3.17	9.60	16.00	12.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
231	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.89	0.80	3.15	9.60	20.00	8.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	High	High	Remove	-	Tree in good health. Minor deadwood observed.
232	<i>Platanus acerifolius</i>	London Plane	0.30	0.26	2.00	3.12	15.00	6.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
233	<i>Platanus acerifolius</i>	London Plane	0.78	0.66	2.98	7.92	22.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
234	<i>Casuarina glauca</i>	Swamp Oak	0.70	0.50	2.85	6.00	20.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	High	High	Remove	-	
235	<i>Casuarina glauca</i>	Swamp Oak	0.70	0.50	2.85	6.00	20.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	High	High	Remove	-	
236	<i>Casuarina glauca</i>	Swamp Oak	0.70	0.50	2.85	6.00	20.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	High	High	Remove	-	
237	<i>Corymbia citriodora</i>	Lemon-Scented Gum	1.20	1.04	3.57	12.48	21.00	14.00	Mature	Building Envelope & Roads	11%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
238	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.53	0.46	2.53	5.52	8.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
239	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.80	0.63	3.01	7.56	10.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
240	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.70	0.52	2.85	6.24	10.00	2.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Low	Low	Low	Remove	-	Tree in decline with a reduction in canopy, health. Deadwood and epicormic growth observed.
241	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	0.80	0.71	3.01	8.52	14.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
242	<i>Angaphora floribunda</i>	Rough-barked Apple Myrtle	1.00	0.90	3.31	10.80	20.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has a trunk inclusion at 2 metres no reaction wood observed.
243	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	20.00	6.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
244	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	20.00	6.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
245	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	20.00	6.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
246	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	20.00	6.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	
247	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	20.00	6.00	Mature	Building Envelope & Roads	22%	Good	Good	High	High	High	Remove	-	
248	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	20.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
249	<i>Casuarina glauca</i>	Swamp Oak	0.70	0.55	2.85	6.60	22.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood to 50mm observed.
250	<i>Casuarina glauca</i>	Swamp Oak	0.70	0.55	2.85	6.60	22.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood to 50mm observed.
251	<i>Casuarina glauca</i>	Swamp Oak	0.50	0.37	2.47	4.44	20.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
252	<i>Casuarina glauca</i>	Swamp Oak	0.50	0.37	2.47	4.44	20.00	5.00	Mature	Building Envelope & Roads	18%	Fair	Fair	Medium	Medium	Medium	Remove	-	
253	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	8.00	2.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	



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254	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	1.53	1.30	3.96	15.00	20.00	20.00	Mature	Building Envelope & Roads	27%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
255	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	1.10	0.96	3.44	11.52	20.00	15.00	Mature	Building Envelope & Roads	15%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
256	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	1.30	1.12	3.69	13.44	20.00	10.00	Mature	Building Envelope & Roads	16%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
257	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.60	0.51	2.67	6.12	12.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
258	<i>Cupressus sp</i>	Cypress Pine	0.55	0.48	2.57	5.76	14.00	2.00	Mature	No Impacted by the proposed development	0%	Good	Good	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
259	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
260	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
261	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
262	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
263	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
264	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
265	<i>Robinia pseudoacacia</i>	Black Locust	0.27	0.20	1.91	2.40	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
266	<i>Eucalyptus botryoides</i>	The Bangalay	0.70	0.58	2.85	6.96	14.00	8.00	Mature	Building Envelope & Roads	2%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	
267	<i>Eucalyptus microcorys</i>	Tallowwood	1.18	0.84	3.55	10.08	23.00	10.00	Mature	Building Envelope & Roads	32%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
268	<i>Eucalyptus microcorys</i>	Tallowwood	0.86	0.67	3.11	8.04	20.00	8.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
269	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
270	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
271	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
272	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
273	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
274	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
275	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	



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276	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
277	<i>Casuarina glauca</i>	Swamp Oak	0.54	0.30	2.55	3.60	16.00	4.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
278	<i>Robinia pseudoacacia</i>	Black Locust	0.25	0.20	1.85	2.40	10.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
279	<i>Robinia pseudoacacia</i>	Black Locust	0.25	0.20	1.85	2.40	10.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
280	<i>Eucalyptus botryoides</i>	The Bangalay	1.30	1.20	3.69	14.40	25.00	12.00	Mature	Building Envelope & Roads	36%	Good	Good	High	High	High	Remove	-	Minor deadwood observed.
281	<i>Eucalyptus microcorys</i>	Tallowwood	0.60	0.50	2.67	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Epicormic growth and deadwood observed.
282	<i>Eucalyptus microcorys</i>	Tallowwood	0.60	0.50	2.67	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Epicormic growth and deadwood observed.
283	<i>Eucalyptus microcorys</i>	Tallowwood	0.60	0.50	2.67	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Epicormic growth and deadwood observed.
284	<i>Eucalyptus microcorys</i>	Tallowwood	0.60	0.50	2.67	6.00	18.00	6.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Epicormic growth and deadwood observed.
285	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	10.00	2.00	Mature	Building Envelope & Roads	15%	Good	Good	Medium	Medium	Medium	Remove	-	
286	<i>Eucalyptus microcorys</i>	Tallowwood	1.30	1.15	3.69	13.80	20.00	10.00	Mature	Building Envelope & Roads	28%	Good	Good	High	Medium	High	Remove	-	Tree in good health. Minor deadwood observed.
287	<i>Eucalyptus microcorys</i>	Tallowwood	0.52	0.40	2.51	4.80	16.00	8.00	Mature	Building Envelope & Roads	26%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree with a modified habit due to light restriction.
288	<i>Eucalyptus microcorys</i>	Tallowwood	0.52	0.40	2.51	4.80	16.00	8.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree with a modified habit due to light restriction.
289	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	0.45	0.35	2.37	4.20	15.00	5.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	Medium	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
290	<i>Eucalyptus microcorys</i>	Tallowwood	1.00	0.80	3.31	9.60	20.00	10.00	Mature	Building Envelope & Roads	100%	Fair	Fair	High	Medium	High	Remove	-	Tree has deadwood, epicormic growth and branch inclusions at 6 metres.
291	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	10.00	2.00	Mature	No Impacted by the proposed development	0%	Good	Good	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
292	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	10.00	2.00	Mature	Building Envelope & Roads	100%	Good	Good	Medium	Medium	Medium	Remove	-	
293	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.25	0.20	1.85	2.40	8.00	2.00	Semi Mature	Building Envelope & Roads	8%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	Tpz estimated.
294	<i>Robinia pseudoacacia</i>	Black Locust	0.30	0.25	2.00	3.00	8.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tpz estimated.
295	<i>Callistemon salignus</i>	Bottlebrush	0.40	0.30	2.25	3.60	12.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
296	<i>Callistemon salignus</i>	Bottlebrush	0.15	0.13	1.49	1.56	7.00	1.00	Semi Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	Tpz estimated.
297	<i>Strelitzia nicolai</i>	White Bird-Of-Paradise	0.15	0.13	1.49	1.56	8.00	2.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	
298	<i>corymbia maculata</i>	Spotted Gum	0.23	0.20	1.79	2.40	10.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
299	<i>corymbia maculata</i>	Spotted Gum	0.45	0.38	2.37	4.56	18.00	3.00	Mature	Building Envelope & Roads	8%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
300	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.44	0.36	2.34	4.32	18.00	3.00	Mature	Building Envelope & Roads	1%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
301	<i>Eucalyptus microcorys</i>	Tallowwood	0.50	0.33	2.47	3.96	20.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair/Poor	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has a branch bark inclusion at 6 metres, reaction wood observed.



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302	<i>Corymbia maculata</i>	Spotted Gum	0.23	0.19	1.79	2.28	10.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
303	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.28	0.23	1.94	2.76	6.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree have a poor habit and reduced health.
304	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.28	0.23	1.94	2.76	6.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree have a poor habit and reduced health.
305	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.80	0.58	3.01	6.96	18.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
306	<i>Callistemon salignus</i>	Bottlebrush	0.33	0.28	2.08	3.36	6.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
307	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.68	0.55	2.81	6.60	18.00	10.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
308	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.53	0.44	2.53	5.28	8.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree habit modified by powerline pruning.
309	<i>Corymbia maculata</i>	Spotted Gum	0.50	0.41	2.47	4.92	18.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
310	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.40	0.33	2.25	3.96	12.00	8.00	Mature	Building Envelope & Roads	9%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
311	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.40	0.33	2.25	3.96	12.00	8.00	Mature	Building Envelope & Roads	8%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
312	<i>Eucalyptus punctata</i>	Grey Gum	0.50	0.40	2.47	4.80	16.00	6.00	Mature	Building Envelope & Roads	12%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree showing signs of decline with a reduction in canopy
313	<i>Araucaria columnaris</i>	Cook Araucaria	0.58	0.46	2.63	5.52	18.00	2.00	Mature	Building Envelope & Roads	100%	Good	Good	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
314	<i>Araucaria columnaris</i>	Cook Araucaria	0.58	0.46	2.63	5.52	18.00	2.00	Mature	Building Envelope & Roads	100%	Good	Good	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
315	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.7	0.6	2.85	7.20	12.00	4.00	Over Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	Aging tree with deadwood and decay observed.
316	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.7	0.6	2.85	7.20	12.00	4.00	Over Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	Aging tree with deadwood and decay observed.
317	<i>Corymbia eximia</i>	Yellow Bloodwood	0.18	0.15	1.61	1.80	5.00	1.00	Young	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Street tree.
318	<i>Lophostemon confertus</i>	Brush Box	0.50	0.44	2.47	5.28	18.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
319	<i>Lophostemon confertus</i>	Brush Box	0.50	0.44	2.47	5.28	18.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)



**APPENDIX 1 – TREE DATA SCHEDULE**

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
320	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.90	0.80	3.17	9.60	10.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
321	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.90	0.80	3.17	9.60	10.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
322	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.90	0.80	3.17	9.60	10.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
323	<i>Lophostemon confertus</i>	Brush Box	0.50	0.40	2.47	4.80	15.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
324	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.90	0.80	3.17	9.60	8.00	6.00	Over Mature	Building Envelope & Roads	100%	Poor	Poor	Low	Low	Low	Remove	-	Tree in severe decline with deadwood, decay and a poor habit. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
325	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.90	0.80	3.17	9.60	8.00	6.00	Over Mature	Building Envelope & Roads	100%	Poor	Poor	Low	Low	Low	Remove	-	Tree in severe decline with deadwood, decay and a poor habit. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
326	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.50	0.60	2.47	7.20	8.00	5.00	Over Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	Tree in severe decline with deadwood and decay observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
327	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.80	1.60	4.24	15.00	10.00	8.00	Over Mature	Building Envelope & Roads	100%	Poor	Poor	Low	Low	Low	Remove	-	Tree in severe decline. Large vertical crack in centre of tree. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
328	<i>Eucalyptus botryoides</i>	The Bangalay	0.70	0.58	2.85	6.96	16.00	8.00	Mature	Building Envelope & Roads	100%	Good	Fair	Medium	Medium	Medium	Remove	-	
329	<i>Platanus acerifolius</i>	London Plane	1.00	0.84	3.31	10.08	20.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Minor deadwood observed.
330	<i>Platanus acerifolius</i>	London Plane	1.00	0.84	3.31	10.08	20.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed.
331	<i>Platanus acerifolius</i>	London Plane	1.00	0.84	3.31	10.08	20.00	14.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	Tree in good health. Minor deadwood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
332	<i>Plumeria acuminata</i>	Frangipani	0.40	0.30	2.25	3.60	6.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
333	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.55	0.47	2.57	5.64	15.00	6.00	Mature	Building Envelope & Roads	22%	Fair	Fair	Medium	Medium	Medium	Remove	-	Street tree.
334	<i>Platanus acerifolius</i>	London Plane	1.00	0.89	3.31	10.68	20.00	12.00	Mature	Building Envelope & Roads	27%	Good	Good	High	Medium	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
335	<i>Platanus acerifolius</i>	London Plane	1.00	0.89	3.31	10.68	20.00	12.00	Mature	Building Envelope & Roads	23%	Good	Good	High	Medium	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health. Minor deadwood observed.
336	<i>Lophostemon confertus</i>	Brush Box	0.40	0.30	2.25	3.60	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
337	<i>Lophostemon confertus</i>	Brush Box	0.40	0.30	2.25	3.60	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
338	<i>Lophostemon confertus</i>	Brush Box	0.40	0.30	2.25	3.60	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)



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No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurison %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
339	<i>Lophostemon confertus</i>	Brush Box	0.40	0.30	2.25	3.60	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
340	<i>Casuarina cunninghamiana</i>	River Sheoak	0.78	0.68	2.98	8.16	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	High	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
341	<i>Lophostemon confertus</i>	Brush Box	0.88	0.77	3.14	9.24	16.00	8.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	Medium	High	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
342	<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	0.23	0.18	1.79	2.16	6.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
343	<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	0.23	0.18	1.79	2.16	6.00	2.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
344	<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	0.23	0.18	1.79	2.16	6.00	2.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
345	<i>Eucalyptus botryoides</i>	The Bangalay	1.00	0.84	3.31	10.08	20.00	8.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tree appears to have been hit by lightning at one point in its lifetime. Deadwood to 50mm observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
346	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.24	0.30	1.82	3.60	6.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Low	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
347	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	0.78	0.64	2.98	7.68	18.00	9.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tree has deadwood to 50mm throughout canopy. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
348	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.05	0.90	3.38	10.80	12.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Aging tree with deadwood and decay observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
349	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.05	0.90	3.38	10.80	12.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Aging tree with deadwood and decay observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
350	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.05	0.90	3.38	10.80	12.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Aging tree with deadwood and decay observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
351	<i>Callistemon salignus</i>	Bottlebrush	0.33	0.26	2.08	3.12	12.00	3.00	Semi Mature	Building Envelope & Roads	100%	Fair	Poor	Medium	Low	Low	Remove	-	Tree has branch failure hung in canopy. Tree showing signs of decline in health. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
352	<i>Jacaranda mimosifolia</i>	Jacaranda	0.56	0.49	2.59	5.88	16.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
353	<i>Lophostemon confertus</i>	Brush Box	0.55	0.43	2.57	5.16	16.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tree has a branch bark inclusion at 6 metres, no reaction wood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
354	<i>Casuarina cunninghamiana</i>	River Sheoak	0.96	0.74	3.25	8.88	20.00	8.00	Mature	Building Envelope & Roads	31%	Good	Fair	High	High	High	Remove	-	Tree has a branch bark inclusion at 8 metres, no reaction wood observed.
355	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	0.80	0.64	3.01	7.68	18.00	10.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has bracket fungi and trunk decay from base. Trees structural integrity cannot be guaranteed.
356	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.10	1.00	3.44	12.00	10.00	5.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Aging tree with decay and deadwood observed.
357	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	0.81	0.68	3.03	8.16	16.00	10.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has deadwood overhanging open space and powerlines.



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358	<i>Jacaranda mimosifolia</i>	Jacaranda	0.44	0.32	2.34	3.84	12.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Epicormic growth observed.
359	<i>Platanus acerifolius</i>	London Plane	0.96	0.86	3.25	10.32	20.00	10.00	Mature	Building Envelope & Roads	1%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
360	<i>Lophostemon confertus</i>	Brush Box	0.40	0.33	2.25	3.96	12.00	3.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
361	<i>Grevillea robusta</i>	Silky Oak	0.30	0.23	2.00	2.76	14.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Multi trunked from base. Poor specimen.
362	<i>Liquidambar styraciflua</i>	Sweetgum	0.60	0.55	2.67	6.60	16.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
363	<i>Liquidambar styraciflua</i>	Sweetgum	0.60	0.55	2.67	6.60	16.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
364	<i>Liquidambar styraciflua</i>	Sweetgum	0.60	0.55	2.67	6.60	16.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
365	<i>Liquidambar styraciflua</i>	Sweetgum	0.60	0.55	2.67	6.60	16.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
366	<i>Liquidambar styraciflua</i>	Sweetgum	0.60	0.55	2.67	6.60	16.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
367	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	0.80	0.69	3.01	8.28	18.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood to 50mm observed.
368	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	0.25	0.20	1.85	2.40	16.00	1.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Branch bark inclusion at 6 metres.
369	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	0.40	0.34	2.25	4.08	16.00	8.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood to 50mm observed.
370	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	0.68	0.44	2.81	5.28	16.00	10.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood to 100mm observed.
371	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.33	0.28	2.08	3.36	5.00	3.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in severe decline.
372	<i>Eucalyptus botryoides</i>	The Bangalay	0.70	0.52	2.85	6.24	16.00	10.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Deadwood to 50mm overhanging powerlines.
373	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.00	0.30	3.31	3.60	4.00	5.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in severe decline. Tree maintrunk has been previously removed.
374	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.40	0.30	2.25	3.60	5.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



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375	<i>Eucalyptus botryoides</i>	The Bangalay	0.80	0.60	3.01	7.20	22.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
376	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.50	0.41	2.47	4.92	5.00	4.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree has a partial trunk failure at 1 metre.
377	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.80	0.90	3.01	10.80	8.00	6.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	Aging tree with decay and deadwood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
378	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.30	0.45	2.00	5.40	4.00	2.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Low	Low	Low	Remove	-	Tree in severe decline. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
379	<i>Eucalyptus botryoides</i>	The Bangalay	0.30	0.23	2.00	2.76	16.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree is a poor specimen with deadwood, previous trunk failure and poor habit.
380	<i>Eucalyptus botryoides</i>	The Bangalay	0.53	0.40	2.53	4.80	16.00	10.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
381	<i>Eucalyptus botryoides</i>	The Bangalay	0.30	0.24	2.00	2.88	14.00	10.00	Semi Mature	Building Envelope & Roads	10%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree on a 45 degree with epicormic growth.
382	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.40	0.66	2.25	7.92	5.00	3.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Aging tree.
383	<i>Eucalyptus botryoides</i>	The Bangalay	0.70	0.57	2.85	6.84	16.00	10.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	
384	<i>Eucalyptus botryoides</i>	The Bangalay	0.20	0.16	1.68	1.92	6.00	2.00	Semi Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree health is poor.
385	<i>Eucalyptus botryoides</i>	The Bangalay	0.80	0.60	3.01	7.20	20.00	8.00	Mature	Building Envelope & Roads	100%	Good	Fair	High	High	High	Remove	-	Tree in good health. Precious branch failure and deadwood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
386	<i>Eucalyptus botryoides</i>	The Bangalay	0.62	0.53	2.71	6.36	17.00	8.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
387	<i>Eucalyptus botryoides</i>	The Bangalay	0.80	0.58	3.01	6.96	20.00	8.00	Mature	Building Envelope & Roads	100%	Good	Fair	Medium	Medium	Medium	Remove	-	Epicormic growth and deadwood observed. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
388	<i>Platanus acerifolius</i>	London Plane	0.75	0.60	2.93	7.20	20.00	10.00	Mature	Building Envelope & Roads	100%	Good	Good	High	Medium	High	Remove	-	Tree no tagged. Tpz estimated. These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
389	<i>Corymbia eximia</i>	Yellow Bloodwood	0.15	0.13	1.49	1.56	5.00	1.00	Young	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
390	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.20	0.18	1.68	2.16	6.00	2.00	Young	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Poor specimen.
391	<i>Eucalyptus punctata</i>	Grey Gum	1.00	0.82	3.31	9.84	16.00	12.00	Mature	Building Envelope & Roads	32%	Good	Fair	High	High	High	Remove	-	Tree in good health with minor deadwood observed.



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurison %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
392	<i>Platanus acerifolius</i>	London Plane	0.20	0.18	1.68	2.16	12.00	3.00	Young	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
393	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	16.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
394	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	16.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
395	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	16.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
396	<i>Platanus acerifolius</i>	London Plane	0.50	0.40	2.47	4.80	16.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
397	<i>Tristaniaopsis laurina</i>	Water Gum	0.50	0.40	2.47	4.80	12.00	4.00	Mature	No Impacted by the proposed development	0%	Good	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated.
398	<i>Flindersia australis</i>	Crow's Ash	0.50	0.40	2.47	4.80	16.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated.
399	<i>Tristaniaopsis laurina</i>	Water Gum	0.60	0.50	2.67	6.00	6.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
400	<i>Tristaniaopsis laurina</i>	Water Gum	0.17	0.15	1.57	1.80	4.00	1.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
401	<i>Tristaniaopsis laurina</i>	Water Gum	0.17	0.15	1.57	1.80	4.00	1.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
402	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.40	0.30	2.25	3.60	6.00	3.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in courtyard.
403	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	12.00	2.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in courtyard.
404	<i>Archontophoenix cunninghamiana</i>	Bangalow Palm	0.15	0.13	1.49	1.56	12.00	2.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in courtyard.
405	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.30	0.20	2.00	2.40	5.00	3.00	Mature	No Impacted by the proposed development	0%	Good	Good	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
406	<i>Eucalyptus botryoides</i>	The Bangalay	0.73	0.58	2.90	6.96	16.00	8.00	Mature	Building Envelope & Roads	24%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tree habit modified by powerline pruning.
407	<i>Eucalyptus botryoides</i>	The Bangalay	1.06	0.94	3.39	11.28	18.00	12.00	Mature	Building Envelope & Roads	38%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tree habit modified by powerline pruning.
408	<i>Waterhousia floribunda</i>	Weeping Lilly Pilly	0.20	0.17	1.68	2.04	5.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
409	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	0.50	0.40	2.47	4.80	7.00	4.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Low	Low	Remove	-	
410	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.60	1.40	4.03	16.80	14.00	5.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Tree has codominant included trunk at 1 metre.



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi-Mature, Mature Over Mature	Tree Impact	NRZ incursion %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
411	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	0.95	0.80	3.24	9.60	10.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Aging tree with deadwood and minor decay.
412	<i>Cinnamomum camphora</i>	Camphor Laurel	1.50	1.36	3.92	16.32	14.00	10.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
413	<i>Celtis occidentalis</i>	Hackberry	0.58	0.45	2.63	5.40	12.00	8.00	Mature	Building Envelope & Roads	22%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	Weed species with poor habit.
414	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.25	2.00	3.00	6.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree in decline. Deadwood and poor health observed.
415	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.25	2.00	3.00	6.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree in decline. Deadwood and poor health observed.
416	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.25	2.00	3.00	6.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree in decline. Deadwood and poor health observed.
417	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.25	2.00	3.00	6.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree in decline. Deadwood and poor health observed.
418	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.25	2.00	3.00	6.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree in decline. Deadwood and poor health observed.
419	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.25	2.00	3.00	6.00	3.00	Mature	Building Envelope & Roads	100%	Poor	Poor	Medium	Low	Low	Remove	-	Tree in decline. Deadwood and poor health observed.
420	<i>Podocarpus elatus</i>	Brown Pine	0.80	0.65	3.01	7.80	10.00	4.00	Mature	Building Envelope & Roads	20%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	Tree has poor form with multiple included trunks.
421	<i>Ficus rubiginosa</i>	Port Jackson Fig	0.32	0.26	2.05	3.12	6.00	3.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	
422	<i>Tristaniaopsis laurina</i>	Water Gum	0.23	0.19	1.79	2.28	4.00	2.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Street tree.
423	<i>Waterhousia floribunda</i>	Weeping Lilly Pilly	0.22	0.17	1.75	2.04	4.00	2.00	Semi Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Low	Low	Remove	-	Street tree pruned under powerline.
424	<i>Platanus acerifolius</i>	London Plane	0.48	0.41	2.43	4.92	14.00	5.00	Mature	Building Envelope & Roads	5%	Fair	Fair	Medium	Medium	Medium	Remove	-	
425	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	2.00	1.70	4.43	15.00	16.00	12.00	Mature	Building Envelope & Roads	100%	Fair	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree is showing signs of decline with failed branches and deadwood. Hollows for habitat observed.
426	<i>Lophostemon confertus</i>	Brush Box	0.92	0.80	3.20	9.60	16.00	6.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	
427	<i>Eucalyptus bicostata</i>	Victorian Blue Gum	2.00	1.80	4.43	15.00	18.00	12.00	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Medium	Medium	Remove	-	Aging tree with epicormic growth and deadwood.
428	<i>Corymbia gummifera</i>	Blood wood	0.15	0.13	1.50	2.00	4.00	1.00	Young	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	New Planted Tree by the City of Sydney
429	<i>Eucalyptus sideroxylon</i>	Red Ironbark	6.00	0.54	7.02	6.48	14.00	6.00	Mature	Building Envelope & Roads	100%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Remove	-	Tree has a thinning canopy.
430	<i>Howea forsteriana</i>	Kentia Palm	0.15	0.13	1.5	2	9	1	Mature	Building Envelope & Roads	31%	Fair	Fair	Medium	Low	Medium	Remove	-	
431	<i>Eucalyptus sp.</i>	Eucalyptus sp	0.53	0.44	2.53	5.28	14.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree showing signs of decline with a thinning canopy.
432	<i>Corymbia eximia</i>	Yellow Bloodwood	0.24	0.20	1.82	2.40	5.00	2.00	Young	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Street tree.
433	<i>Eucalyptus microcorys</i>	Tallowwood	0.90	0.75	3.17	9.00	18.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
434	<i>Eucalyptus microcorys</i>	Tallowwood	1.30	1.14	3.69	13.68	20.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
435	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.65	0.59	2.76	7.08	20.00	8.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
436	<i>Eucalyptus sideroxylon</i>	Red Ironbark	0.54	0.43	2.55	5.16	12.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Street tree.



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437	<i>Eucalyptus microcorys</i>	Tallowwood	1.00	0.75	3.31	9.00	16.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
438	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
439	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
440	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
441	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
442	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
443	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
444	<i>Eucalyptus microcorys</i>	Tallowwood	0.75	0.63	2.93	7.56	17.00	7.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
445	<i>Lophostemon confertus</i>	Brush Box	0.65	0.50	2.76	6.00	18.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Street tree moderately suppressed by nearby tree.
446	<i>Eucalyptus microcorys</i>	Tallowwood	0.88	0.74	3.14	8.88	22.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
447	<i>Eucalyptus microcorys</i>	Tallowwood	0.88	0.74	3.14	8.88	22.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
448	<i>Eucalyptus microcorys</i>	Tallowwood	0.88	0.74	3.14	8.88	22.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
449	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	2.00	1.40	4.43	15.00	22.00	17.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
450	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	2.00	1.40	4.43	15.00	22.00	17.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
451	<i>Jacaranda mimosifolia</i>	Jacaranda	0.54	0.47	2.55	5.64	14.00	6.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
452	<i>Metrosideros thomentosa</i>	The New Zealand Christmas Tree	0.15	0.13	1.49	1.56	8.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



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453	<i>Melia azedarach</i>	Chinaberry Tree	0.45	0.39	2.37	4.68	8.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
454	<i>Melaleuca linariifolia</i>	Narrow-Leaved Paperbark	0.45	0.35	2.37	4.20	8.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated.
455	<i>Melaleuca linariifolia</i>	Narrow-Leaved Paperbark	0.45	0.35	2.37	4.20	8.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated.
456	<i>Metrosideros thomentosa</i>	The New Zealand Christmas Tree	0.30	0.25	2.00	3.00	6.00	2.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
457	<i>Jacaranda mimosifolia</i>	Jacaranda	0.55	0.45	2.57	5.40	12.00	7.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
458	<i>Pittosporum tenuifolium</i>	Kohuhu	0.20	0.15	1.68	1.80	6.00	1.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in poor health and vitality.
459	<i>Pittosporum tenuifolium</i>	Kohuhu	0.20	0.15	1.68	1.80	6.00	1.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in poor health and vitality.
460	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.60	1.38	4.03	15.00	16.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Multi-trunked street tree from 3 metres.
461	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.60	1.38	4.03	15.00	16.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
462	<i>Eucalyptus microcorys</i>	Tallowwood	0.79	0.65	3.00	7.80	15.00	8.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Poor	Low	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Street tree in severe decline with a thinning canopy and dieback.
463	<i>Eucalyptus microcorys</i>	Tallowwood	1.30	1.10	3.69	13.20	20.00	10.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in good health with minor deadwood observed.
464	<i>Melaleuca quinquenervia</i>	Broad-Leaved Paperbark	1.00	0.80	3.31	9.60	16.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
465	<i>Glochidion ferdinandi</i>	Cheese Tree	0.70	0.50	2.85	6.00	14.00	6.00	Mature	No Impacted by the proposed development	0%	Good	Fair	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
466	<i>Washingtonia robusta</i>	Washington Palm	0.15	0.13	1.49	1.56	7.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
467	<i>Grevillea hookeriana</i>	Red Toothbrushes	0.22	0.18	1.75	2.16	8.00	3.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Poor specimen.
468	<i>Melaleuca bracteata</i>	Black Tea-Tree	2.00	0.17	4.43	2.04	8.00	2.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurSION %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
469	<i>Syzygium australe</i>	Bush Cherry	2.00	0.16	4.43	1.92	5.00	3.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Medium	Medium	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in decline.
470	<i>Strelitzia nicolai</i>	White Bird-Of-Paradise	2.00	0.15	4.43	1.80	6.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
471	<i>Ficus benjamina</i>	Weeping Fig	0.50	0.40	2.47	4.80	7.00	4.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in severe decline and structurally unsound with a crack in main trunk and decay observed.
472	<i>Washingtonia robusta</i>	Washington Palm	0.15	0.13	1.49	1.56	6.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Good	Good	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag.
473	<i>Tristaniaopsis laurina</i>	Water Gum	0.19	0.15	1.65	1.80	8.00	4.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
474	<i>Tristaniaopsis laurina</i>	Water Gum	0.39	0.30	2.23	3.60	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
476	<i>Washingtonia robusta</i>	Washington Palm	0.25	0.20	1.85	2.40	16.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
477	<i>Lophostemon confertus</i>	Brush Box	44.00	0.36	16.22	4.32	10.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
475	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.24	0.20	1.82	2.40	8.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
478	<i>Lagunaria patersonia</i>	Norfolk Island Hibiscus	0.40	0.43	2.25	5.16	7.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
479	<i>Eucalyptus sideroxylon</i>	Red Ironbark	2.00	1.70	4.43	15.00	16.00	12.00	Mature	No Impacted by the proposed development	0%	Good	Fair	Medium	High	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Aging tree with minor deadwood and pest activity.
480	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	0.20	0.18	1.68	2.16	6.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
481	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	0.20	0.18	1.68	2.16	6.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
482	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	0.20	0.18	1.68	2.16	6.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
483	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	0.20	0.18	1.68	2.16	6.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
484	<i>Robinia pseudoacacia</i>	Black Locust	0.55	0.47	2.57	5.64	12.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurSION %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
485	<i>Gleditsia triacanthos</i>	Honey-Locust	0.35	0.27	2.13	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag, access limited.
486	<i>Gleditsia triacanthos</i>	Honey-Locust	0.35	0.27	2.13	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag, access limited.
487	<i>Robinia pseudoacacia</i>	Black Locust	0.33	0.27	2.08	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag, access limited.
488	<i>Robinia pseudoacacia</i>	Black Locust	0.33	0.27	2.08	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag, access limited.
489	<i>Robinia pseudoacacia</i>	Black Locust	0.33	0.27	2.08	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag, access limited.
490	<i>Robinia pseudoacacia</i>	Black Locust	0.33	0.27	2.08	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag, access limited.
491	<i>Bauhinia variegata</i>	Orchid Tree	0.40	0.50	2.25	6.00	6.00	4.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in decline with a thinning canopy.
492	<i>Persea americana</i>	Avocado	0.23	0.20	1.79	2.40	8.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
493	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.25	0.20	1.85	2.40	6.00	3.00	Young	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
494	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.25	0.20	1.85	2.40	6.00	3.00	Young	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
495	<i>Ficus 'Hilli'</i>	Hill's Weeping Fig	2.00	1.80	4.43	15.00	24.00	16.00	Mature	No Impacted by the proposed development	0%	Good	Good	High	High	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	No tree tag. Tree in good health with minor deadwood.
496	<i>Lophostemon confertus</i>	Brush Box	0.30	0.24	2.00	2.88	8.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Street tree with poor form due to powerline pruning.
497	<i>Lophostemon confertus</i>	Brush Box	0.30	0.24	2.00	2.88	8.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
498	<i>Gleditsia triacanthos</i>	Honey-Locust	0.40	0.30	2.25	3.60	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree not tagged, Tpz estimated.
499	<i>Pheonix canariensis</i>	Canary Island Date Palm	2.00	0.15	4.43	1.80	6.00	2.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
500	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.25	1.94	3.00	12.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



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No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurSION %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
501	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.25	1.94	3.00	12.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
502	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.24	1.94	2.88	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
503	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.24	1.94	2.88	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
504	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.24	1.94	2.88	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
505	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.24	1.94	2.88	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
506	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.24	1.94	2.88	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
507	<i>Robinia pseudoacacia</i>	Black Locust	0.28	0.24	1.94	2.88	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
508	<i>Buckinghamia celsissima</i>	Ivory Curl Tree	0.20	0.27	1.68	3.24	10.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
509	<i>Syzygium australe</i>	Bush Cherry	0.30	0.25	2.00	3.00	8.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
510	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.42	0.35	2.30	4.20	10.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
511	<i>Syzygium australe</i>	Bush Cherry	0.25	0.20	1.85	2.40	12.00	1.00	Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
512	<i>Syzygium australe</i>	Bush Cherry	0.40	0.30	2.25	3.60	12.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree powerline pruned. Poor structure and health.
513	<i>Syzygium australe</i>	Bush Cherry	0.40	0.30	2.25	3.60	12.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree powerline pruned. Poor structure and health.
514	<i>Lophostemon confertus</i>	Brush Box	0.34	0.28	2.10	3.36	5.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Trees poorly pruned under powerlines.
515	<i>Lophostemon confertus</i>	Brush Box	0.34	0.28	2.10	3.36	5.00	3.00	Semi Mature	No Impacted by the proposed development	0%	Fair/Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree poorly pruned under powerlines.
516	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.50	0.40	2.47	4.80	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DSH metres (radius) Standard Ht	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age Young, Semi- Mature, Mature Over Mature	Tree Impact	NRZ incurison %	Health Good Fair Fair/Poor Poor Dead	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Retain/ Remove	Tree Protection Measures	Notes
517	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.50	0.40	2.47	4.80	12.00	4.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
518	<i>Cordyline australis</i>	Cabbage Tree	0.15	0.13	1.49	1.56	7.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
519	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.20	2.00	2.40	8.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated
520	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.20	2.00	2.40	8.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated
521	<i>Sapium sebiferum</i>	Chinese Tallow Tree	0.30	0.20	2.00	2.40	8.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tpz estimated
522	<i>Agonis flexuosa</i>	Willow Myrtle/Peppermint	1.40	1.25	3.81	15.00	8.00	4.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Aging tree with a thinning canopy and deadwood
523	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	0.40	0.33	2.25	3.96	8.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree showing signs of decline.
524	<i>Callistemon viminalis</i>	Weeping Bottlebrush	0.40	0.30	2.25	3.60	5.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
525	<i>Eucalyptus saligna</i>	The Sydney Blue Gum	0.70	0.60	2.85	7.20	16.00	10.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Limited access. Tpz estimated.
526	<i>Lagerstroemia indica</i>	Crepe-Myrtle	0.35	0.25	2.13	3.00	5.00	3.00	Mature	No Impacted by the proposed development	0%	Poor	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree in decline.
527	<i>Cupaniopsis anacardioides</i>	Tuckeroo	0.22	0.18	1.75	2.16	5.00	3.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
528	<i>Lophostemon confertus</i>	Brush Box	0.30	0.25	2.00	3.00	7.00	4.00	Semi Mature	No Impacted by the proposed development	0%	Fair	Poor	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Tree poorly pruned under powerlines.
529	<i>Plumeria sp</i>	Frangipani	0.25	0.20	1.85	2.40	4.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
530	<i>Calodendrum capense</i>	Cape Chestnut	0.53	0.45	2.53	5.40	8.00	5.00	Mature	No Impacted by the proposed development	0%	Fair	Fair/Poor	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Multi-trunked tree from 1 metre.
531	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	0.40	0.33	2.25	3.96	7.00	2.00	Mature	No Impacted by the proposed development	0%	Fair/Poor	Fair	Medium	Medium	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
532	<i>Fraxinus griffithii</i>	Evergreen Ash	0.26	0.22	1.88	2.64	10.00	2.00	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Low	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	



**APPENDIX 1 – TREE DATA SCHEDULE**

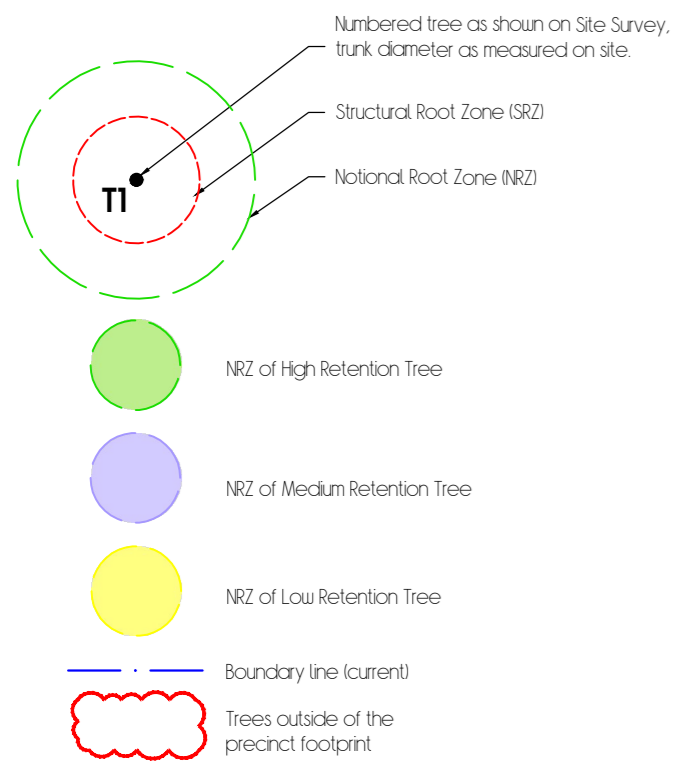
No	Genus-species	Common Name	DAB metres (radius) <i>Above Buttress</i>	DSH metres (radius) <i>Standard Ht</i>	SRZ (radius) Metres	NRZ (radius) Metres	Height Metres	Canopy Spread (Metres) (radius)	Age <i>Young, Semi- Mature, Mature Over Mature</i>	Tree Impact	NRZ incurSION %	Health <i>Good Fair Fair/Poor Poor Dead</i>	Condition <i>Good Fair Fair/Poor Poor Failed</i>	Useful Life Expectancy <i>High Medium Low</i>	Landscape significance <i>High Medium Low</i>	Retention value <i>High Medium Low</i>	Retain/ Remove	Tree Protection Measures	Notes
533	<i>Corymbia maculata</i>	Spotted Gum	0.85	0.70	3.09	8.4	18	7	Mature	Building Envelope & Roads	8%	Fair	Fair	Medium	Medium	High	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	
534	<i>Gleditsia triacanthos</i>	Honey Locust	0.70	0.70	2.85	8.4	18	8	Mature	Building Envelope & Roads	28%	Fair	Fair	Medium	Low	Medium	Remove	-	
535	<i>Persea americana</i>	Avocado	0.32	0.25	2.05	3	15	6	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	
536	<i>Corymbia maculata</i>	Spotted Gum	0.76	0.70	2.95	8.4	20	8	Mature	Building Envelope & Roads	100%	Fair	Fair	Medium	Low	Medium	Remove	-	View into canopy obstructed
537	<i>Corymbia citriodora</i>	Lemon-scented Gum	0.62	0.58	2.71	6.96	22	8	Mature	Building Envelope & Roads	16%	Fair	Fair	Medium	Low	Medium	Remove	-	View into canopy obstructed
538	<i>Syzygium paniculatum</i> Cherry	Magenta Brush	0.90	0.80	3.17	9.6	17	7	Mature	No Impacted by the proposed development	0%	Fair	Fair	Medium	Low	Medium	Retain and Protect	Tree Protection Measures to be confirmed following detailed design	Neighbouring Property. Estimated DSH & DAB
539	<i>Celtis laevigata</i>	Southern Hackberry	0.15	0.13	1.50	2.00	4.00	1.00	Young	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	-	New Planted Tree by the City of Sydney
540	<i>Celtis laevigata</i>	Southern Hackberry	0.15	0.13	1.50	2.00	4.00	1.00	Young	No Impacted by the proposed development	0%	Fair	Fair	Medium	Medium	Medium	Retain and Protect	-	New Planted Tree by the City of Sydney



## Appendix 2: Tree Location Plan

# Tree Location Plan (Overall Project)-Appendix 2

## Legend



- NRZ of High Retention Tree
- NRZ of Medium Retention Tree
- NRZ of Low Retention Tree

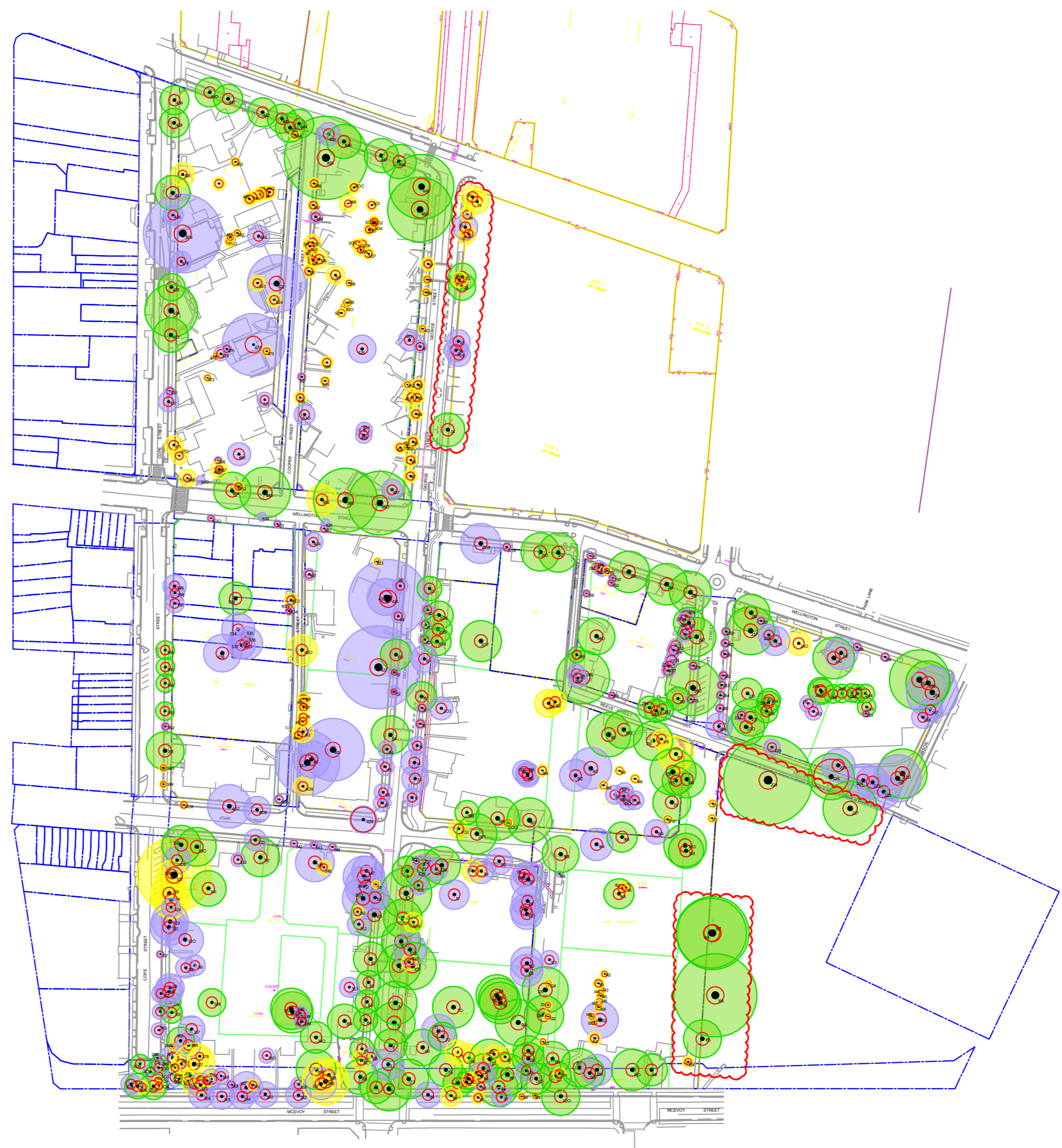
- Boundary line (current)
- Trees outside of the precinct footprint

### Trees Inside of the Precinct = 520

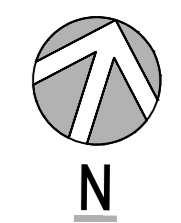
- High = 155
- Medium = 208
- Low = 57

### Trees Outside of the Precinct = 20

- High = 9
- Medium = 4
- Low = 7



BASED ON SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV.A DATED 02/03/25



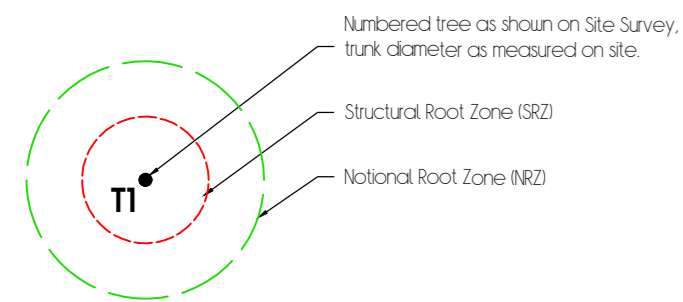
Plan prepared for Assessing Arborist:  
**LEIGH BRENNAN**  
AQF level 5 Consulting Arborist



DATE	21/01/2026	DWG	TPD_TMS_Waterloo South_TOH	REVISION	06	SCALE	A2	1600m	DRAWN	Hannah Morata	SHEET	10 of 6		
ADDRESS	Waterloo South Development													
PLAN TITLE	Tree Location Plan (Overall Project)													
Tree Management Strategies	Sydney & Regional NSW						www.treem.com.au						T: 0447 356059	E: Leigh@treem.com.au

Appendix 3: Tree Impact Plan-Building Envelope and Roads

## Legend



- These existing trees within Blocks 8 and 9 have been approved for removal as part of a Homes NSW Part 5 Review of Environmental Factors (REF)
- Remove due to impacts of the proposed development

- Total Impact
- Incursion Zone

- Trees outside of the precinct footprint
- Proposed Building envelope
- Proposed basement

- NRZ of High Retention Tree
- NRZ of Medium Retention Tree
- NRZ of Low Retention Tree

### Trees outside the Precinct all to be retained = 20 Trees

- High = 9
- Medium = 4
- Low = 7

### Trees inside the Precinct = 520 Trees

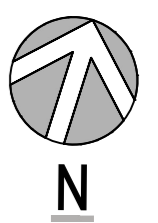
#### Trees Retained = 284      Trees to be Removed = 236

- |              |              |
|--------------|--------------|
| High = 79    | High = 76    |
| Medium = 107 | Medium = 101 |
| Low = 98     | Low = 59     |

- Boundary line (current)
- Boundary line (proposed)



BASED ON SITE & BASEMENT PLAN REV. 8 DATED 06/02/26, LANDSCAPE PLAN BY ASPECT STUDIOS PTY LTD REV. G DATED 03/02/26 & SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV.A DATED 02/03/25



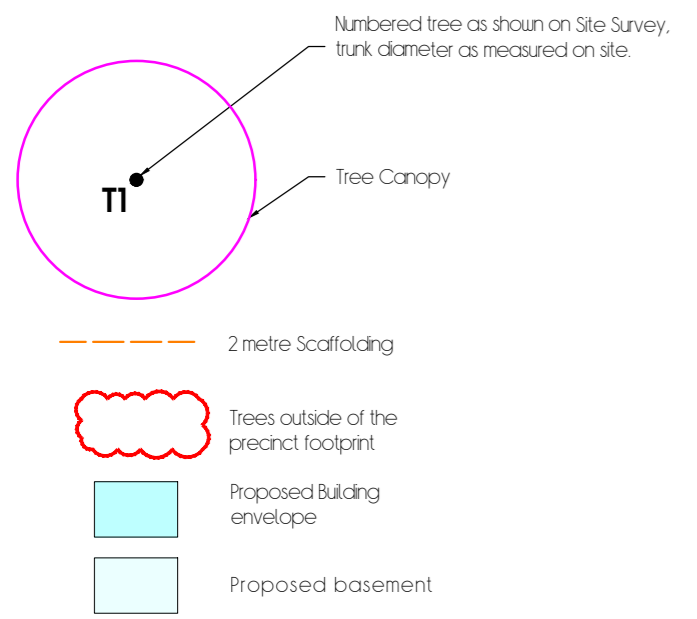
Plan prepared for Assessing Arborist:  
**LEIGH BRENNAN**  
AQF level 5 Consulting Arborist



0		10		20		50M	
DATE	12/02/2026	DWG	TPD_TMS_Waterloo South_T01	REVISION	07	SCALE	A2 1600m
ADDRESS	Waterloo South Development						
PLAN TITLE	Tree Impact Building Envelope & Roads						
Tree Management Strategies	Sydney & Regional NSW			W: www.treems.com.au      T: 0447 356059      E: Leigh@treems.com.au			

Appendix 4: Tree Canopy and Scaffold Plan

Legend

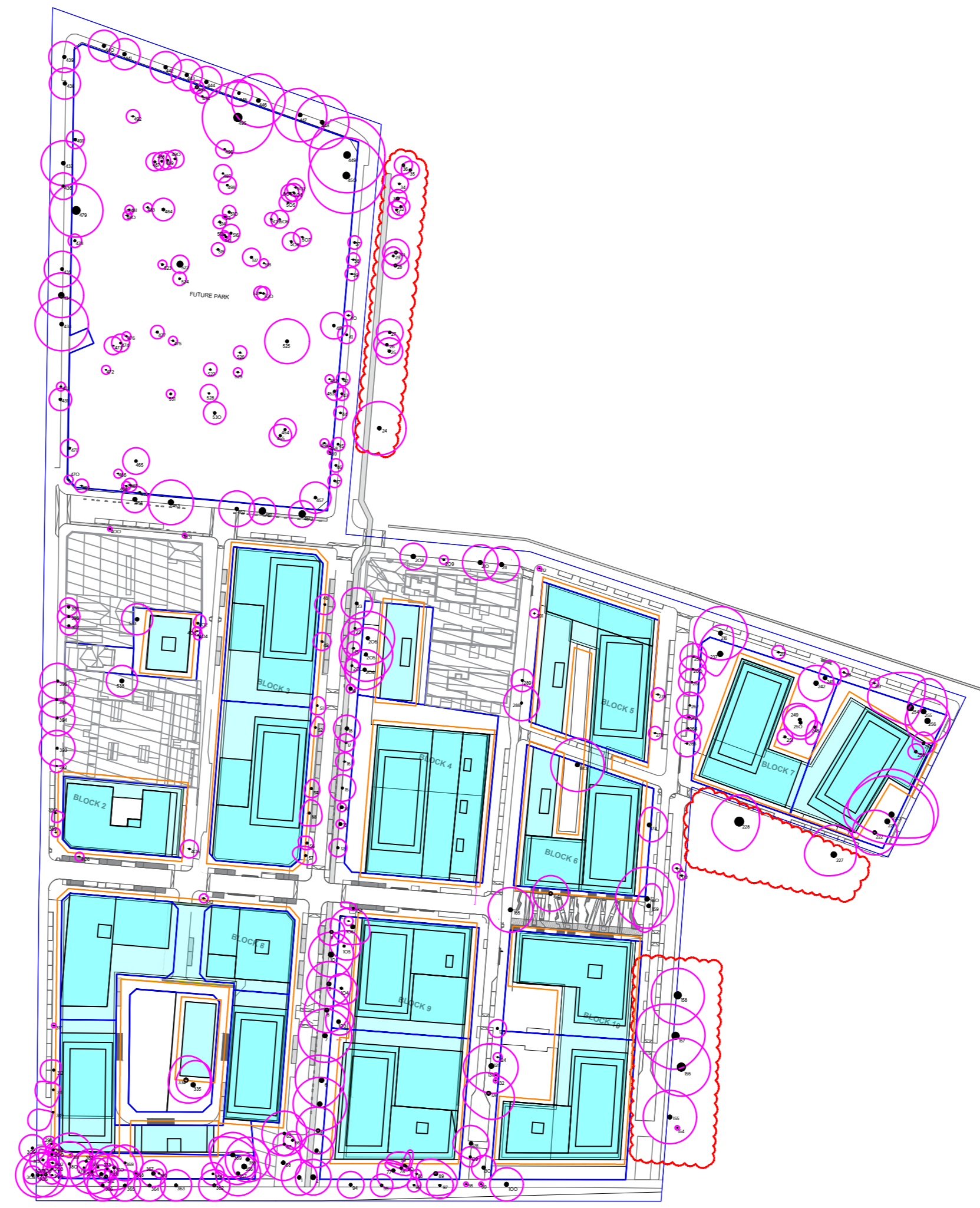


Trees outside the Precinct all to be retained = 20 Trees

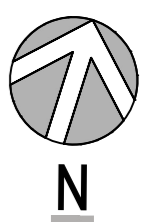
- High = 9
- Medium = 4
- Low = 7

Trees inside the Precinct = 520 Trees

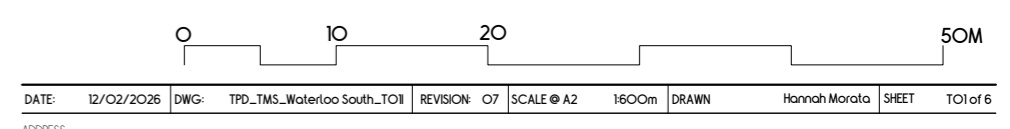
- |                             |                                  |
|-----------------------------|----------------------------------|
| <b>Trees Retained = 284</b> | <b>Trees to be Removed = 236</b> |
| High = 79                   | High = 76                        |
| Medium = 107                | Medium = 101                     |
| Low = 98                    | Low = 59                         |



BASED ON SITE & BASEMENT PLAN REV. 8 DATED 06/02/26, LANDSCAPE PLAN BY ASPECT STUDIOS PTY LTD REV. G DATED 03/02/26 & SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV.A DATED 02/03/25



Plan prepared for Assessing Arborist:  
**LEIGH BRENNAN**  
AQF Level 5 Consulting Arborist



DATE	12/02/2026	DWG	TPD_TMS_Waterloo South_T01	REVISION	07	SCALE	A2	1600m	DRAWN	Hannah Morata	SHEET	T01 of 6
ADDRESS	Waterloo South Development											
PLAN TITLE	Tree Canopy & Scaffold (Overall Project)-Appendix 4											
Tree Management Strategies	Sydney & Regional NSW						W: www.treems.com.au T: 0447 356059 E: Leigh@treems.com.au					



## Appendix 5: Tree Impact Plan-Services-Stormwater, Sewer, Potable Water

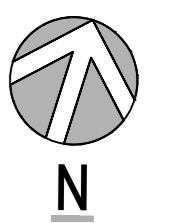
Legend



Trees outside the Precinct all to be retained = 20 Trees



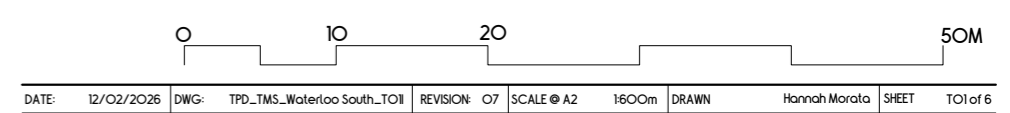
Trees inside the Precinct = 520 Trees



BASED ON SITE & BASEMENT PLAN REV. 8 DATED 06/02/26, LANDSCAPE PLAN BY ASPECT STUDIOS PTY LTD REV. G DATED 03/02/26 & SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV.A DATED 02/03/25



Plan prepared for Assessing Arborist:  
**LEIGH BRENNAN**  
AQF level 5 Consulting Arborist



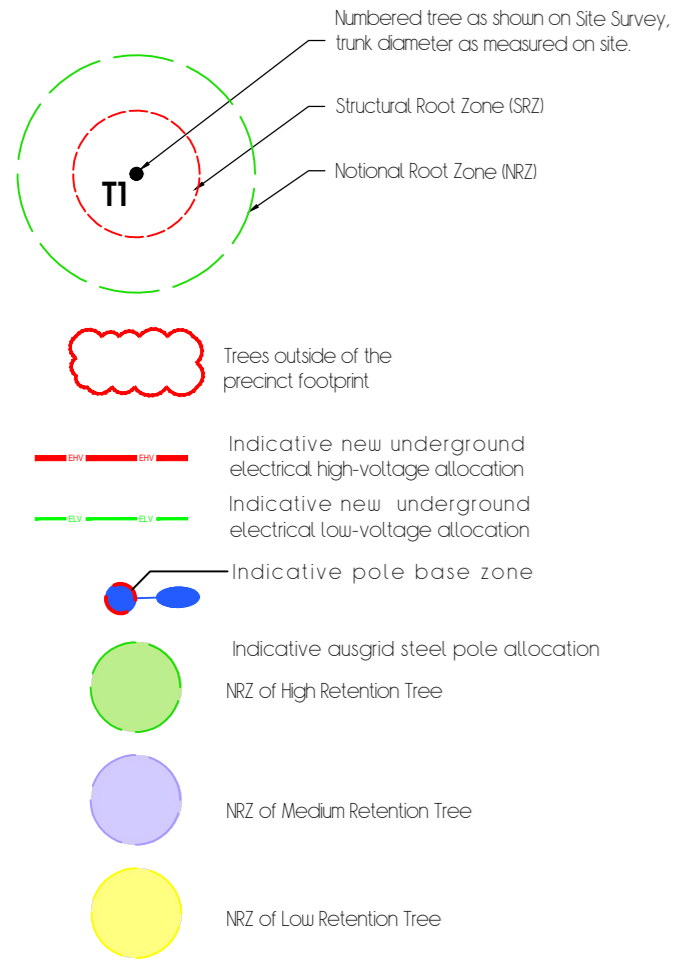
DATE	12/02/2026	DWG	TPD_TMS_Waterloo South_T01	REVISION	07	SCALE	A2	1600m	DRAWN	Hannah Morata	SHEET	T01 of 6
ADDRESS	Waterloo South Development											
PLAN TITLE	Tree Impact Plan Services- Stormwater, Potable water & Sewer											
Tree Management Strategies	www.treems.com.au					T: 0447 356059	Sydney & Regional NSW					
	E: Leigh@treems.com.au											



## Appendix 6: Tree Impact Plan-Services-Electrical

# Tree Impact Plan Electrical Services Appendix 6

## Legend



### Trees outside the Precinct all to be retained = 20 Trees

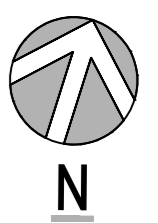
- High = 9
- Medium = 4
- Low = 7

### Trees inside the Precinct = 520 Trees

- |  |  |
|--|--|
| <b>Trees Retained = 284</b>                        | <b>Trees to be Removed = 236</b>                   |
| <span style="color: green;">●</span> High = 79     | <span style="color: green;">✕</span> High = 76     |
| <span style="color: purple;">●</span> Medium = 107 | <span style="color: purple;">✕</span> Medium = 101 |
| <span style="color: yellow;">●</span> Low = 98     | <span style="color: yellow;">✕</span> Low = 59     |



BASED ON SITE & BASEMENT PLAN REV. 8 DATED 06/02/26, LANDSCAPE PLAN BY ASPECT STUDIOS PTY LTD REV. G DATED 03/02/26, ELECTRICAL PLAN REV. P2 DATED 19/01/26 & SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV. A DATED 02/03/25



Plan prepared for Assessing Arborist:  
**LEIGH BRENNAN**  
AQF level 5 Consulting Arborist



DATE	12/02/2026	DWG	TPD_TMS_Waterloo South_T01	REVISION	07	SCALE	A2	1600m	DRAWN	Hannah Morata	SHEET	T01 of 6		
ADDRESS	Waterloo South Development													
PLAN TITLE	Tree Impact Plan Electrical Services													
Tree Management Strategies	Sydney & Regional NSW						www.treems.com.au						T: 0447 356059	E: Leigh@treems.com.au



## Appendix 7: Tree Retention/Protection Plan

# Tree Retention and Protection Plan-Appendix 7

Tree Protection Measures to be confirmed following detailed design

## Legend



Trees outside the Precinct all to be retained = 20 Trees

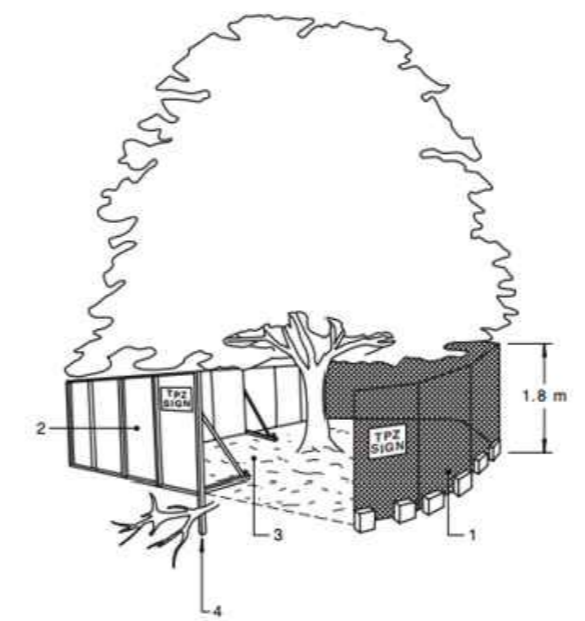
- High = 9
- Medium = 4
- Low = 7

Trees inside the Precinct = 520 Trees

Trees Retained = 284    Trees to be Removed = 236

- High = 79    High = 76
- Medium = 107    Medium = 101
- Low = 98    Low = 59

Boundary line (current)  
Boundary line (proposed)



- KEY:**
- Chain wire mesh panels that are held in place with concrete feet.
  - Alternatively, plywood or wooden paling fence panels may be used. This fencing material also prevents building materials or soil from entering the TPZ.
  - Mulch installation across the surface of the TPZ (as detailed in the TPS). No excavation, construction activity grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ other than those indicated in the TPS.
  - Bracing may be used within the TPZ. Installation of posts or supports should avoid damaging roots.

### TREE PROTECTION ZONE

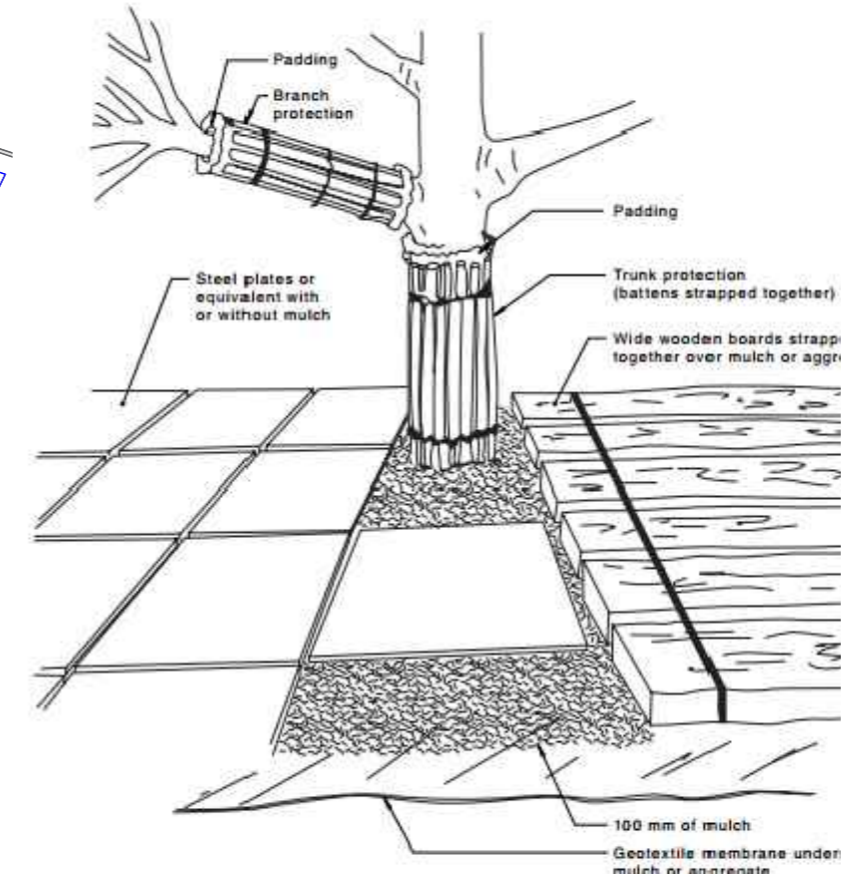
### NO ACCESS

Activities excluded from the TPZ include —

- (a) Excavation or disturbance of the soil, including scraping of the surface
- (b) Spreading or stockpiling of fill
- (c) Cultivation
- (d) Equipment and material storage
- (e) Preparation of chemicals, including preparation of cement products
- (f) Parking of vehicles and plant
- (g) Refuelling
- (h) Dumping of waste
- (i) Wash down and cleaning of equipment
- (j) Fires
- (k) Physical damage to the tree

**Contact:**  
Contact Project Manager for copy of the Tree Protection Specifications (TPS).

Figure C.1 — Tree Protection Zone sign



**NOTE 1** For trunk and branch protection, boards and padding may be used to prevent damage to bark. shall be joined to each other using hoop straps and screws or similar. They shall not be screwed to the tree.

**NOTE 2** Wide wooden boards or plastic or metal plates should be of a suitable thickness to spread the load prevent soil compaction and root damage.

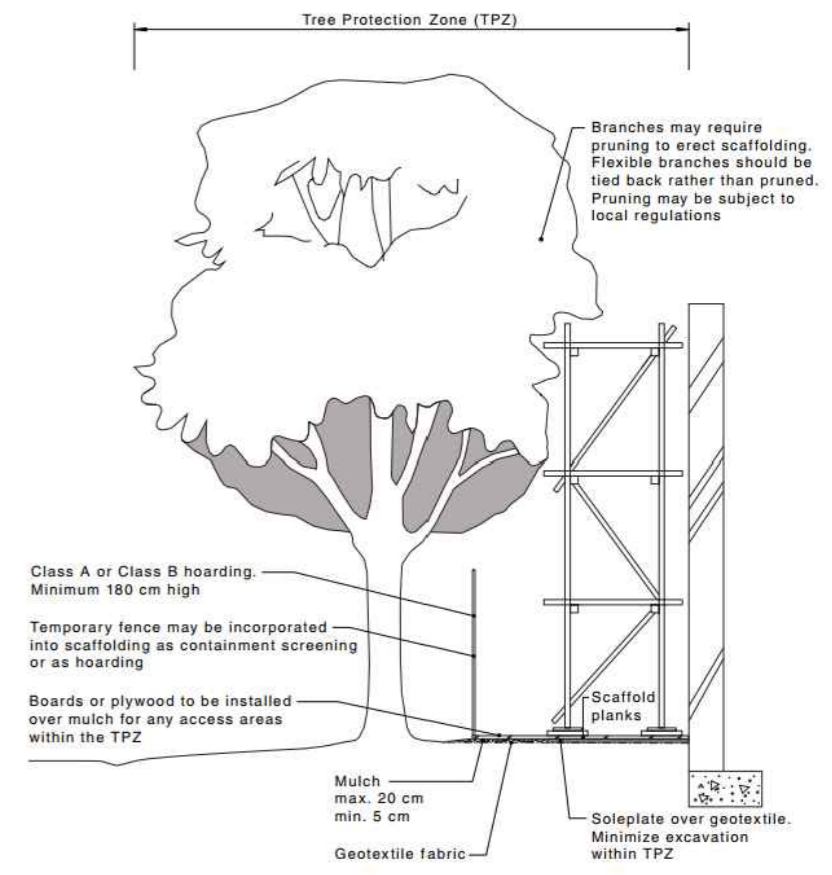


Figure 6 — Indicative scaffolding within a TPZ

BASED ON SITE & BASEMENT PLAN REV. 8 DATED 06/02/26, LANDSCAPE PLAN BY ASPECT STUDIOS PTY LTD REV. G DATED 03/02/26 & SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV.A DATED 02/03/25

Plan prepared for Assessing Arborist:

**LEIGH BRENNAN**  
AQF level 5 Consulting Arborist

DATE: 13/02/2026    DWG: TPD\_TMS\_Waterloo South\_T01    REVISION: 07    SCALE: A2    1600m    DRAWN: Hannah Morala    SHEET: T01 of 6

ADDRESS: Waterloo South Development

PLAN TITLE: Tree Retention and Protection Plan

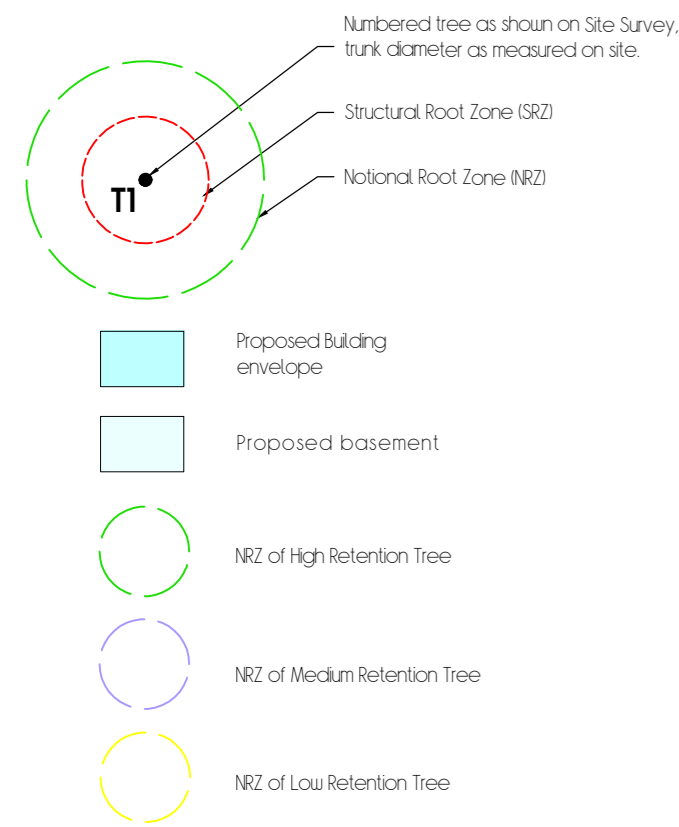
Tree Management Strategies    Sydney & Regional NSW  
W: www.treem.com.au    T: 0447 356059    E: Leigh@treem.com.au

N

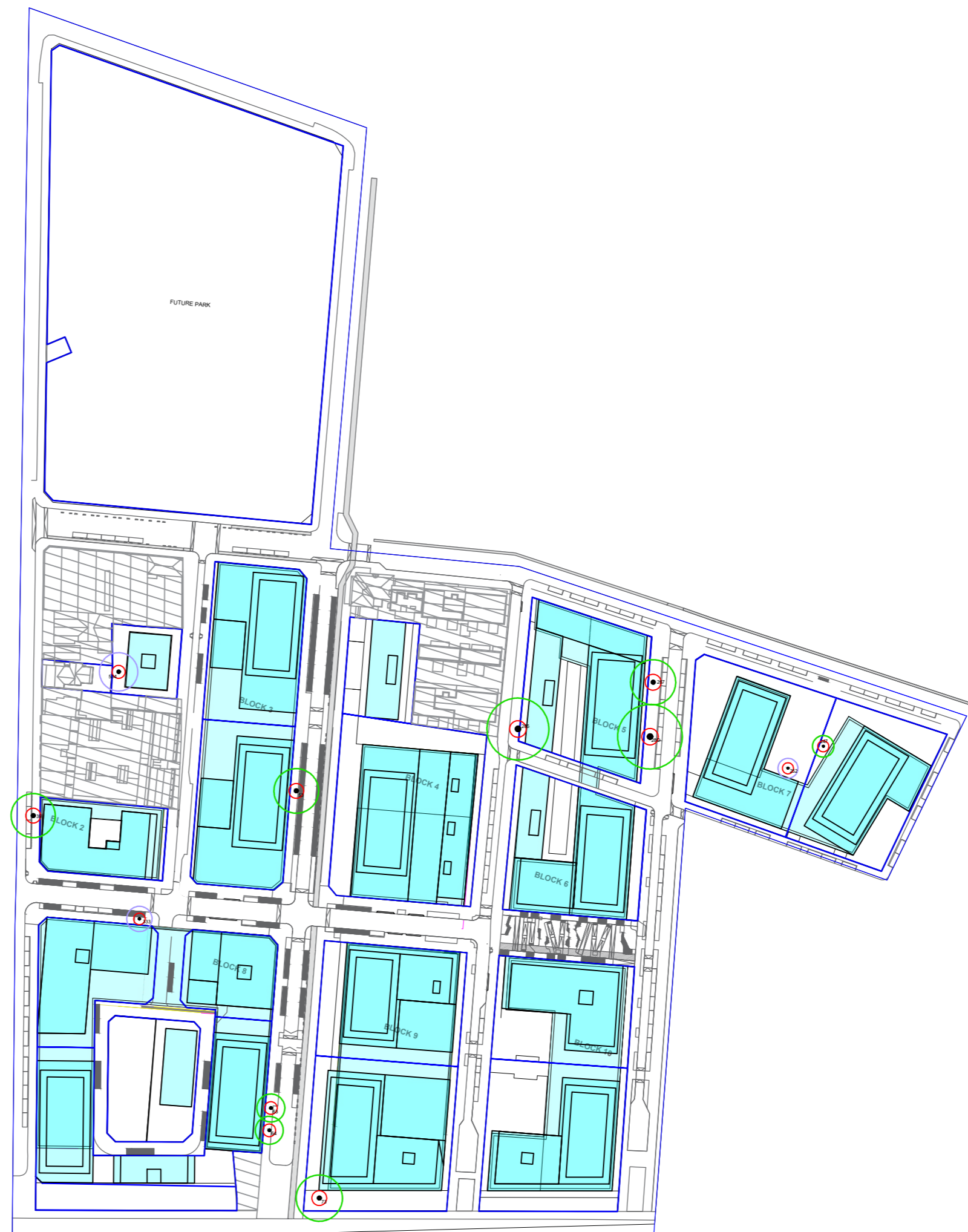
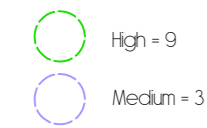
## Appendix 8: Trees Requiring Root Investigation

# Trees Requiring Root Investigation-Appendix 8

## Legend



## Trees to be investigated = 12



BASED ON SITE & BASEMENT PLAN REV. 8 DATED 06/02/26, LANDSCAPE PLAN BY ASPECT STUDIOS PTY LTD REV. G DATED 03/02/26 & SURVEY PLAN BY RPS AAP CONSULTING PTY LTD REV.A DATED 02/03/25



Plan prepared for Assessing Arborist:  
**LEIGH BRENNAN**  
AQF Level 5 Consulting Arborist



DATE	12/02/2026	DWG	TPD_TMS_Waterloo South_T01	REVISION	07	SCALE	A2	1600m	DRAWN	Hannah Morata	SHEET	T01 of 6
ADDRESS	Waterloo South Development											
PLAN TITLE	Trees Requiring Root Investigation											
Tree Management Strategies	www.treems.com.au						T: 0447 356059			Sydney & Regional NSW E: Leigh@treems.com.au		

## Appendix 9: Method

### Site Assessment

From the ground, the following information was recorded and displayed in the Tree Data Schedule (Appendix 1).

- Tree genus and species.
- Approximate height spread if deemed applicable.
- Trunk diameter at breast height and above the buttress.
- Age class: young, semi mature, mature, over mature.
- Health.
- Condition.

Observations were recorded and photographed.

### Research

The following legislation, documents or websites were reviewed:

- The Australian Standard for the Protection of Trees on Development Sites (AS 4970 – 2025).
- City of Sydney Development Control Plan 2012.
- City of Sydney Environmental Plan 2012.
- City of Sydney Guidelines for Hoardings & Scaffolding 2017

## Tree Data Schedule Method

The health and condition of trees assessed are shown in the Tree Data Schedule (**Appendix 1**) with the methods explained below:

### Tree Health

<b>Overall Health (Vigour/Vitality)</b>	Tree vigour is exhibited by crown density, crown cover, leaf colour, leaf size, leaf texture, presence of epicormic growth, ability to withstand predation by pest and disease, resistance and degree of dieback.
<b>Good (Excellent)</b>	Good tree vigour exhibited by no decline in overall health and vigour, height and shape. The specimen is observed to be of excellent condition displaying characteristics that is known for that particular species (what would be the expected condition for that particular species of that age in that location), 0% dieback, full crown density, leaf health, no pest or disease present.
<b>Fair</b>	Fair tree vigour exhibited by moderate decline in overall health and vigour, height and shape. The specimen is observed to be of moderate condition by not displaying characteristics adequately that is known for that particular species (what would be expected for that particular species of that age in that location), less than 10% dieback, 90% of crown foliage density, more than 90% leaf health, acceptable level of pest or disease is evident for the assessing arborist (where it is considered the tree's overall health or condition will not be affected or lead to irreversible decline from pest or disease).
<b>Fair/Poor</b>	Fair to poor tree vigour exhibited by considerable decline in overall health and vigour, height and shape. The specimen is observed to be of less than acceptable condition by not displaying characteristics adequately that is known for that particular species (what would be expected for that particular species of that age in that location), 10-20% dieback, considerable foliage deficiencies, 70-90% foliage density, 70-90% leaf health, pest or disease infestation at acceptable thresholds for the assessing arborist (where it is considered the tree's overall health or condition will not be affected or lead to irreversible decline from pest or disease).
<b>Poor</b>	Poor vigour exhibited by substantial decline in overall health and vigour, height and shape. The specimen is observed to be of poor condition by not displaying

	<p>characteristics adequately that is known for that particular species (what would be expected for that particular species of that age in that location), 20-30% dieback, considerable foliage deficiencies, 50-70% leaf health, pest or disease infestation at unacceptable infestation level that exceeds thresholds for the assessing arborist (where it is considered the tree's overall health or condition will be affected or lead to irreversible decline from pest or disease).</p>
<b>Very Poor</b>	<p>Very poor vigour exhibited by irreversible decline in overall health and vigour, height and shape. The specimen is observed to be of less than acceptable condition by not displaying characteristics adequately that is known for that particular species (what would be expected for that particular species of that age in that location), 15-50% dieback; severe foliage deficiencies; 30-50% density; 30-50% leaf health; pest or disease infestation at severe infestation level that exceeds thresholds for the assessing arborist (where it is considered the tree's overall health or condition will be affected or lead to irreversible decline from pest or disease).</p>
<b>Dead</b>	<p>Dead tree vigour exhibited by complete decline in overall health and vigour, height and shape. The specimen is observed to be dead by not displaying any characteristics adequately that is known for that particular species (what would be expected for that particular species of that age in that location), tree holds less than 15% foliage; branching is dead throughout canopy, pest or disease infestation at severe infestation level that exceeds thresholds for the assessing arborist (where it is considered the tree's overall health or condition will be affected or lead to irreversible decline from pest or disease).</p>

## Tree Condition

<b>Overall Condition (Structure/Stability)</b>	The tree condition as identified by the arborist in regard to defects in structure and stability.
<b>Good</b> (Exceptional specimen)	No damage or decay observed to the root plate, visible basal and /or root flare, stable in ground, well tapered branches with sound open unions. All characteristics within thresholds for the assessing arborist.
<b>Fair</b> (Standard tree – no observable major defects to suggest that there is an increased likelihood of tree or part of tree failure)	Minor damage or decay observed to root plate, trunk or primary branches or branch unions (1 <sup>st</sup> or 2 <sup>nd</sup> branch order or scaffolding branch), well-formed branch unions, minor branch end weight or over-extensions within thresholds for the assessing arborist.
<b>Fair/Poor</b>	Moderate damage or decay observed to root plate, trunk or primary branches or branch unions (1 <sup>st</sup> or 2 <sup>nd</sup> branch order or scaffolding branch); minimal basal/root flare; acute branch; past branch failure(s); moderate branch end-weight or over-extension approaching thresholds for the assessing arborist.
<b>Poor</b>	Major damage or decay observed to root plate, trunk or primary branches or branch unions (1 <sup>st</sup> or 2 <sup>nd</sup> branch order or scaffolding branch) no observable basal and /or root flare; acute branch unions starting to include bark; major branch end-weight or over-extension at or exceeds thresholds for the assessing arborist.
<b>Very Poor</b>	Excessive damage or decay observed to root plate, trunk, primary branch or branch unions (1 <sup>st</sup> or 2 <sup>nd</sup> branch order or scaffolding branch), excessive decay or hollows compromising the structural integrity, unstable in ground, excessive branch end-weight, included-bark unions, exceeding thresholds for assessing arborist. Failure probable.
<b>Failed</b>	Failure of root plate or trunk or primary branch or branch unions (1 <sup>st</sup> or 2 <sup>nd</sup> branch order or scaffolding branch) or active split between branch unions or severe damage to primary tree structure.

## Tree Retention Value Method

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

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

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

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

#### Tree Significance - Assessment Criteria



#### **High Significance in landscape**

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

### **Medium Significance in landscape**

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

### **Low Significance in landscape**

- The tree is in fair to poor condition and good or low vigour.
- The tree has form atypical of the species.
- The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings.
- The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area.
- The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen.
- The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa in situ - tree is inappropriate to the site conditions.
- The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms.
- The tree has a wound or defect that has potential to become structurally unsound.
- Environmental Pest/Noxious Weed Species.
- The tree is an Environmental Pest Species due to its invasiveness or poisonous/allergenic properties.
- The tree is a declared noxious weed by legislation.
- Hazardous and or Irreversible Decline.
- The tree is structurally unsound and/or unstable and is considered potentially dangerous.
- The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

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


Note: The assessment criteria are for individual trees only, however, can be applied to a mono-cultural stand in entirety.

## Useful Life Expectancy (ULE)

Useful life expectancy (ULE) is a measure of a trees remaining lifespan regarding its health, condition and locality ULE categories were measured as:

- a) Long (greater than 40 years)
- b) Medium (between 15 and 40 years)
- c) Short (between 1 and 15 years)
- d) Dead

## Tree Retention Value - Priority Matrix

		Significance				
		1. High Significance in Landscape	2. Medium Significance in Landscape	Significance in Landscape	3. Low Environmental Pest / Noxious Weed Species	Hazardous / Irreversible Decline
Estimated Life Expectancy	1. Long >40 years					
	2. Medium 15-40 Years					
	3. Short <1-15 Years					
	Dead					
<p>Legend for Matrix Assessment</p> 						
	<p><b>Priority for Retention (High)</b> - 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 e.g. pier and beam etc if works are to proceed within the Tree Protection Zone.</p>					
	<p><b>Consider for Retention (Medium)</b> - These trees may be retained and protected. These are considered less critical; however their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.</p>					
	<p><b>Consider for Removal (Low)</b> - These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.</p>					
	<p><b>Priority for Removal</b> - These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.</p>					

## REFERENCES

- Australia ICOMOS Inc. 1999, *The Burra Charter – The Australian ICOMOS Charter for Places of Cultural Significance*, International Council of Monuments and Sites, [www.icomos.org/australia](http://www.icomos.org/australia)
- Draper BD and Richards PA 2009, *Dictionary for Managing Trees in Urban Environments*, Institute of Australian Consulting Arboriculturist (IACA), CSIRO Publishing, Collingwood, Victoria, Australia.
- Footprint Green Pty Ltd 2001, *Footprint Green Tree Significance & Retention Value Matrix*, Avalon, NSW Australia, [www.footprintgreen.com.au](http://www.footprintgreen.com.au)

## Notional Root Zone and Structural Root Zone Method

Following the VTA, the Notional Root Zones and Structural Root zones were calculated and added to the Tree Data Schedule (Appendix 1) and the Tree Impact Plan (Appendix 2) with the methods explained below:

The Structural Root Zone (SRZ) is the area around the base of a tree required for its stability. The woody root growth and soil cohesion in this area are necessary to hold the tree upright; therefore, there are no variations to its size. The SRZ is normally circular with the trunk at its centre and is expressed by its radius in metres (AS – 4970). Due to the potential of causing instability of a tree, it is highly recommended that no roots within its SRZ are pruned or removed. SRZ, which is the area required for tree stability, was calculated as follows:  $SRZ \text{ radius} = (D \times 50) \times 0.42 \times 0.64$ .

The Notional Root Zones (NRZ) is the principle means of protecting trees on development sites. The NRZ is a combination of the root area and crown area that requires protection. It is an area isolated from construction disturbance, so that the tree remains viable (AS – 4970). The radius of the NRZ is calculated for each tree by multiplying its DSH x 12.  $NRZ = DSH \times 12$  (DSH = trunk diameter measured at 1.4m above ground level). The radius of the NRZ is measured from COT (Centre of the trunk).

### Variations to the Notional Root Zones (NRZ)

#### *General*

It may be possible to encroach into or make variations to the standard NRZ. Encroachment Includes excavation, compacted fill and machine trenching.

#### *Minor encroachment*

If the proposed encroachment is less than or equal to 10% of the area of the NRZ and is outside 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 NRZ. Variations must be made by the project arborist, considering relevant factors. (Figure 12) demonstrates some examples of possible encroachment into the NRZ up to 10% of the area.

#### *Moderate encroachment*

The proposed encroachment is considered moderate if it is greater than 10 % and less than or equal to 20 % of the area of the NRZ and is outside of the SRZ. A project arborist shall be engaged to review the proposed impact and undertake any other necessary investigation to address the factors. This may be through the implementation of suitable design measures and construction controls to mitigate impacts during the development process as part of a TPS and TPP. To avoid a net loss of soil area and volume, an area equivalent to the encroachment shall be incorporated into the NRZ, unless the project arborist otherwise demonstrates that the tree will remain viable.

### *Major encroachment*

The proposed encroachment is considered major if it is greater than 20 % of the area of the NRZ or inside the SRZ. The project arborist shall be engaged to explore alternative designs with the design team and/or demonstrate that the tree will remain viable.

For the assessment of major encroachment, a more detailed investigation is necessary. This can include research such as root investigation, soil analysis, historical records of the tree or site, relevant literature and examples of similar encroachments. A TPS and TPP should be prepared to support the retention of the tree. To avoid a net loss of soil area and volume, an area equivalent to the encroachment shall be incorporated into the NRZ, unless the project arborist otherwise demonstrates that the tree will remain viable.

Figure 12: Examples of possible encroachment

