

A photograph of four young women in school uniforms walking outdoors. They are wearing blue blazers, light blue skirts, white collared shirts, and blue hats. They are holding books or folders. The background is a blurred green landscape.

Loreto Normanhurst Pennant Hills

**SSDA Re-Submission
Car Parks + Site Through Link
Landscape Report
January 2021**

OCULUS

Loreto Normanhurst

Car Parks + Site Through Link SSDA Report

Project Number: S18-031
Project Address: Pennant Hills

Revision	Issue	Date	By	Checked
A	SSDA Final	10.12.20	AK	RB

O C U L U S

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Acknowledgement of Country

We acknowledge the Darug people of the Darug nation who are the traditional owners of the land of which the project site lies on. We also acknowledge the Gadigal people of the Eora nation who are the traditional owners of the land on which we work. We would like to pay our respects to the Elders past and present of the Darug and Gadigal people.

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1.0 Master Plans

1.1 Current Site Context



1.2 Revised Stage 1 Master Plan



1.3 Final Master Plan



1.4 Proposed Works

Stage 1 Works

As part of the revised Stage 1 SSDA application the proposal includes the original submission of Boarding House along Mt Pleasant Ave and upgrades to the Mary Ward courtyard which have been documented in a separate package. The additional works in this package include the proposal to reconsider the use, layout and capacity of the car parking across the school campus.

Car Park + Site Through Link

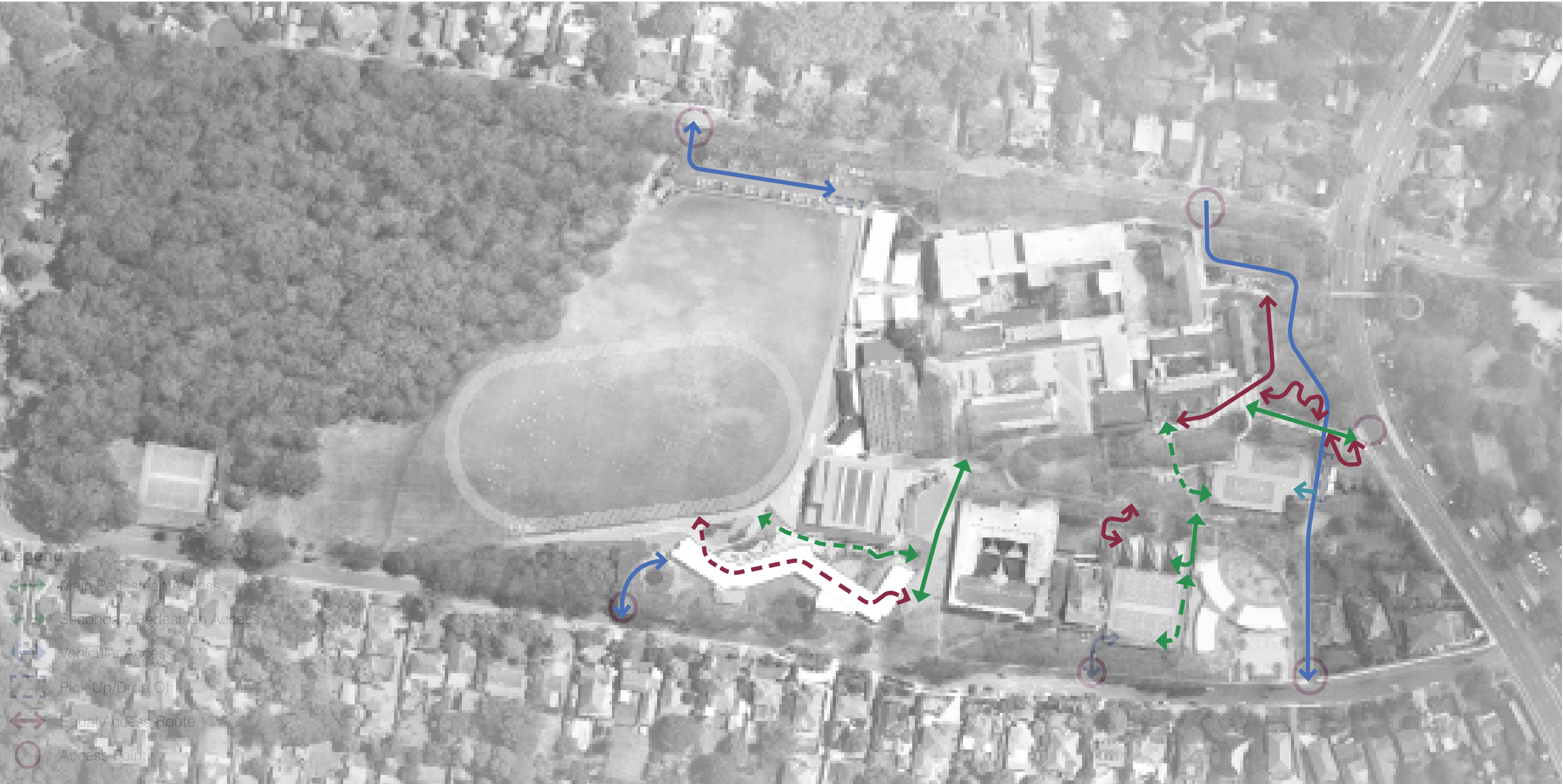
The key intervention as part of these upgrades is to provide efficient movement of vehicles through the campus with minimal conflict between vehicles and students. With the inclusion of 4 Mt Pleasant Ave a site through link connecting Osbourn Rd to Mt Pleasant Ave will provide this safe movement route through with a new dedicated pick up and drop off area. Associated upgrades with this new link include:

- + Osbourn Rd Entrance:
- + A grand ceremonial entrance and pathway
- + Re-distribution of Year 12 car parking
- + Creation of a new open space to Pennant Hills Rd
- + Car Park 1A - under existing Tennis courts + neww pick up/drop off area
- + Car Park 4A - under existing basketball courts
- + Car Park 3A - car park expansion with relocated pick up/ drop off area

All of these upgrades aim to allow for adequate parking for future growth without losing valuable active outdoor facilities for the students.



1.5 Access Strategy



1.6 Tree Canopy Cover



A photograph of a paved path lined with lush greenery and trees. On the left, there is a chain-link fence, a silver car, and a large tree trunk. The path is bordered by dense foliage, including large green plants and ferns. In the distance, a group of people is walking on the path. The text "2.0 Site Analysis" is overlaid in the center-right of the image.

2.0 Site Analysis

2.1 Site Photos

Existing conditions



Existing slip road

Existing slip road from car park



Existing pedestrian crossing

Connection from Pennant Hills Rd bridge crossing



Driveway to 1897 building

Driveway to be converted to pedestrian ceremonial pathway



Existing tennis court

Court level to be raised for car parking beneath



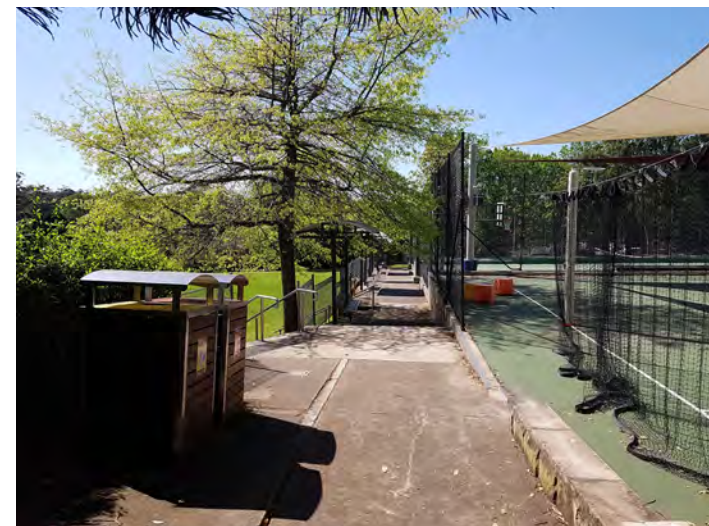
View towards 4 Mt Pleasant Ave

Route for site through link to side of heritage building.



Road between tennis and basketball courts

Large existing trees and planting to be retained



Basketball court access path

Courts to be raised with new pathway between ELC



Existing walls and bleachers

To be replaced around existing trees to be retained





2.2 Tree Removal + Retention Osbourn Rd Entrance

Observations:

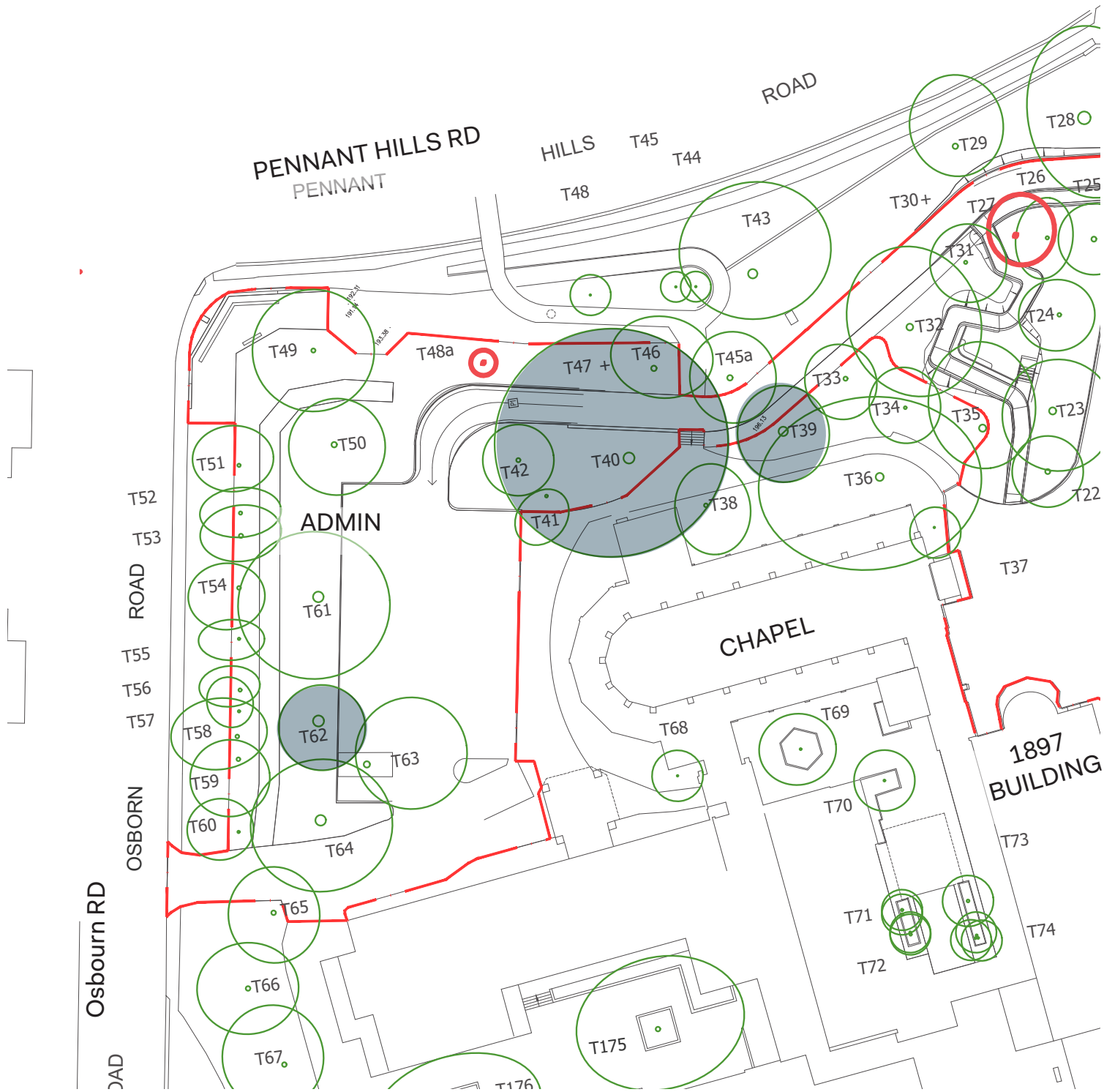
- Blackbutt (T40) and Hoop Pine (T39) to be retained and protected during works.
- Firewheel Tree (T48a) to be removed.
- Any retaining wall structures to be carefully placed around tree root protection zone under supervision of an Arborist.
- Trees adjacent to road upgrade to be protected with installation of trunk protection fences in accordance with Section 10.5 and 10.6 of Arborist Report.
- Excavations for footings and pavements sub-grade to be undertaken in accordance with Section 10.9 of Arborist Report.
- Demolition works within TPZ's to be undertaken in accordance with Section 10.8 of Arborist Report.

* To be read in conjunction with Arborist Report

LEGEND

-  Highly Significant Trees
-  Trees to be retained
-  Trees to be removed
-  Extent of Works

1 Tree to be removed



2.3 Tree Retention + Removal Car Park 1A

Observations:

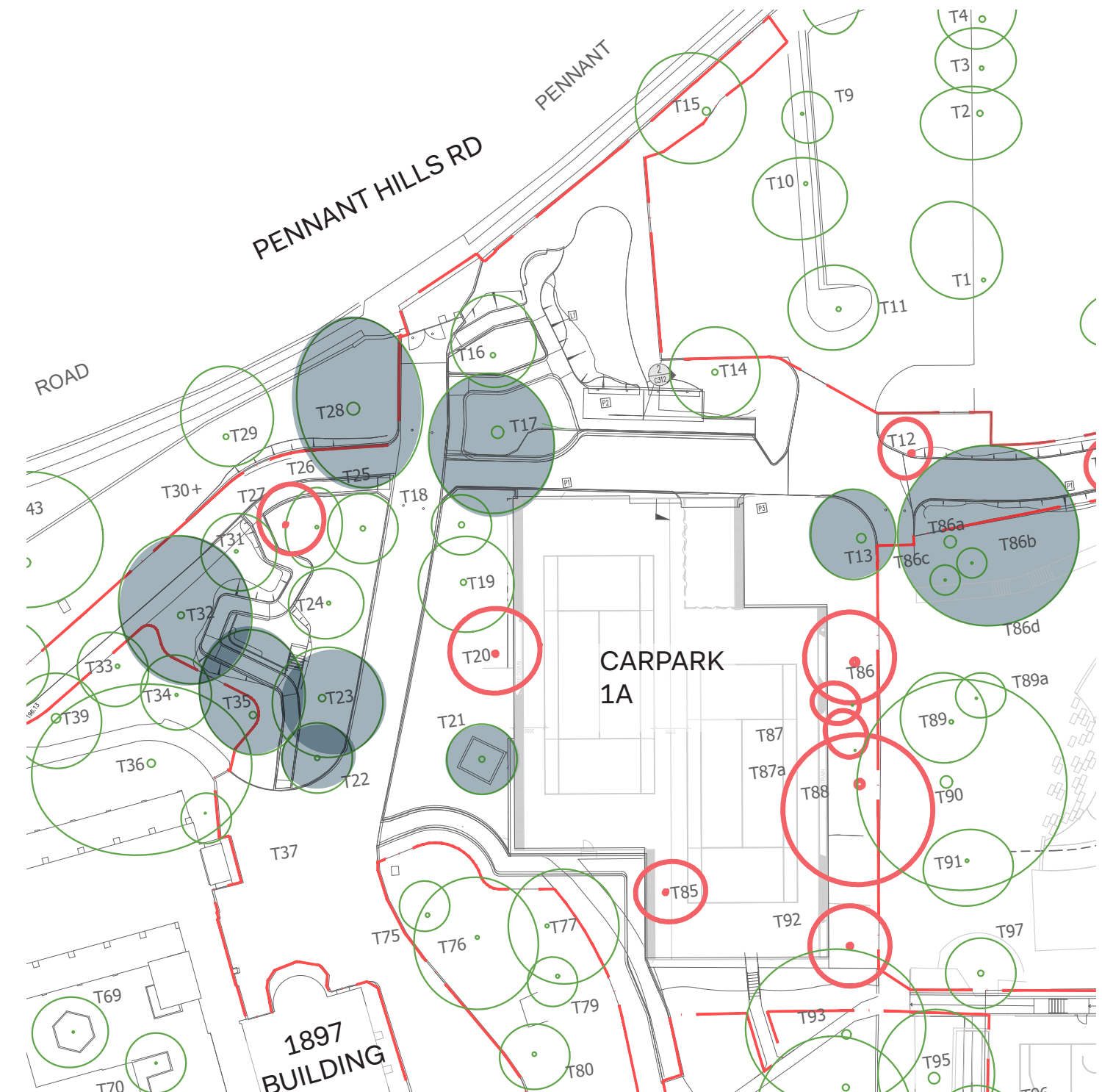
- Norfolk Pine (T13) is High value and High significance
- Himalayan Cedars (T32 & T35), Canary Island palm (T22) and Plum Pine (T23) to be protected during new pathway works.
- Golden Robinia (T20), Blackbean (T86), Blueberry Ash (T87 & T97a), Red Oak,
- Any retaining wall structures to be carefully placed around tree root protection zone under supervision of a qualified Arborist
- Trees adjacent to road upgrade to be protected with installation of trunk protection fences in accordance with Section 10.5 and 10.6 of Arborist Report.
- Excavations for footings and pavements sub-grade to be undertaken in accordance with Section 10.9 of Arborist Report.
- Demolition works within TPZ's to be undertaken in accordance with Section 10.8 of Arborist Report.

To be read in conjunction with Arborist Report

LEGEND

- Highly Significant Trees
- Trees to be retained
- Trees to be removed
- Extent of Works

8 Trees to be removed



2.4 Tree Retention + Removal Car Park 4A

Observations:

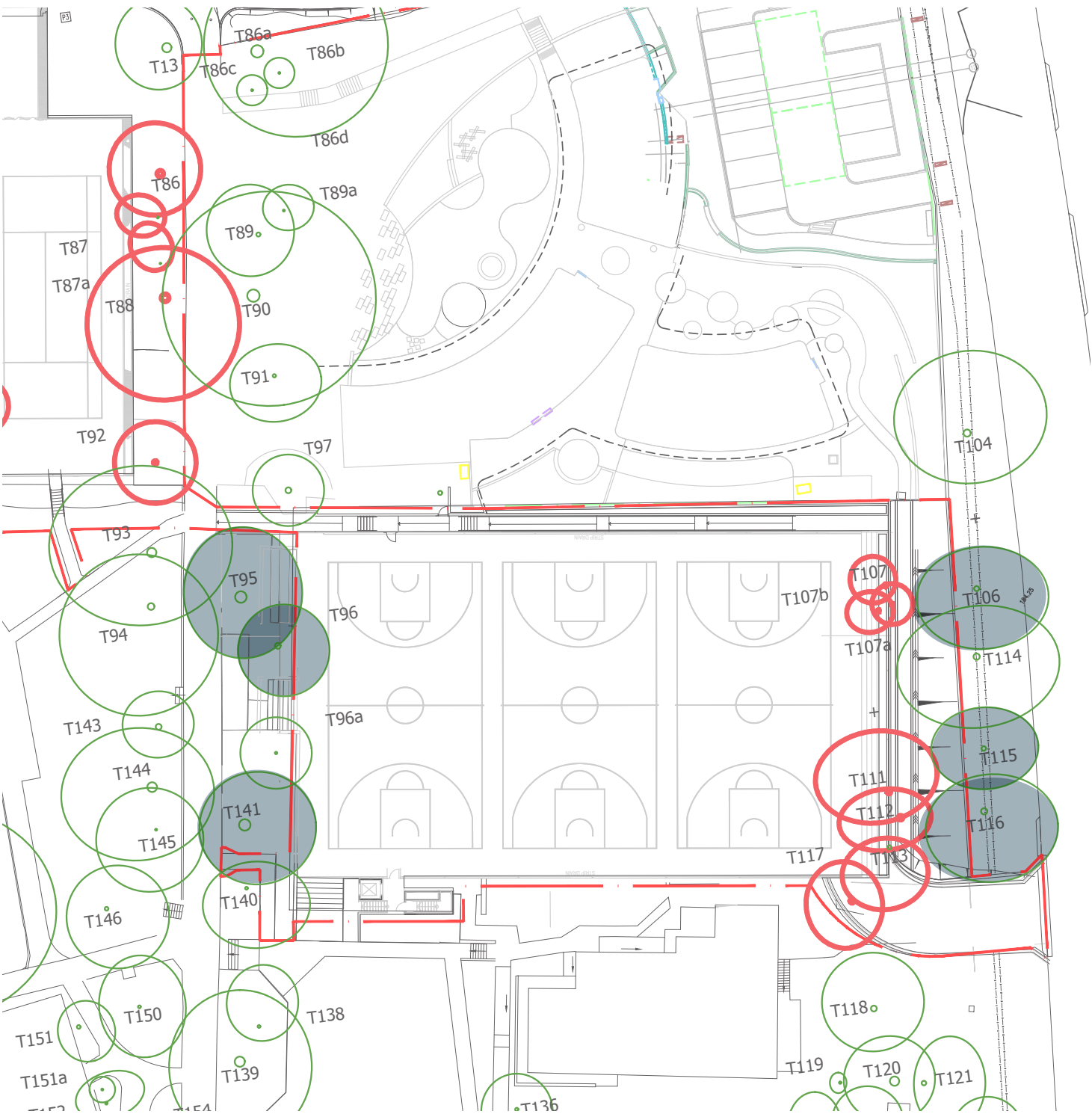
- Brushbox (T95), Hoop Pine (T96) and Camphor Laurel (T141) to be retained and protected during works.
- T106, T14 and T116 are high significance trees which sit outside the site boundary which should be protected and retained during works.
- Any retaining wall structures to be carefully placed around tree root protection zone under supervision of a qualified Arborist
- Trees adjacent to road upgrade to be protected with installation of trunk protection fences in accordance with Section 10.5 and 10.6 of Arborist Report.
- Excavations for footings and pavements sub-grade to be undertaken in accordance with Section 10.9 of Arborist Report.
- Demolition works within TPZ's to be undertaken in accordance with Section 10.8 of Arborist Report.

To be read in conjunction with Arborist Report

LEGEND

- Highly Significant Trees
- Trees to be retained
- Trees to be removed
- - - Extent of Works

7 Trees to be removed



2.5 Tree Retention + Removal Site Through Link (4 Mt Pleasant Ave)

Observations:

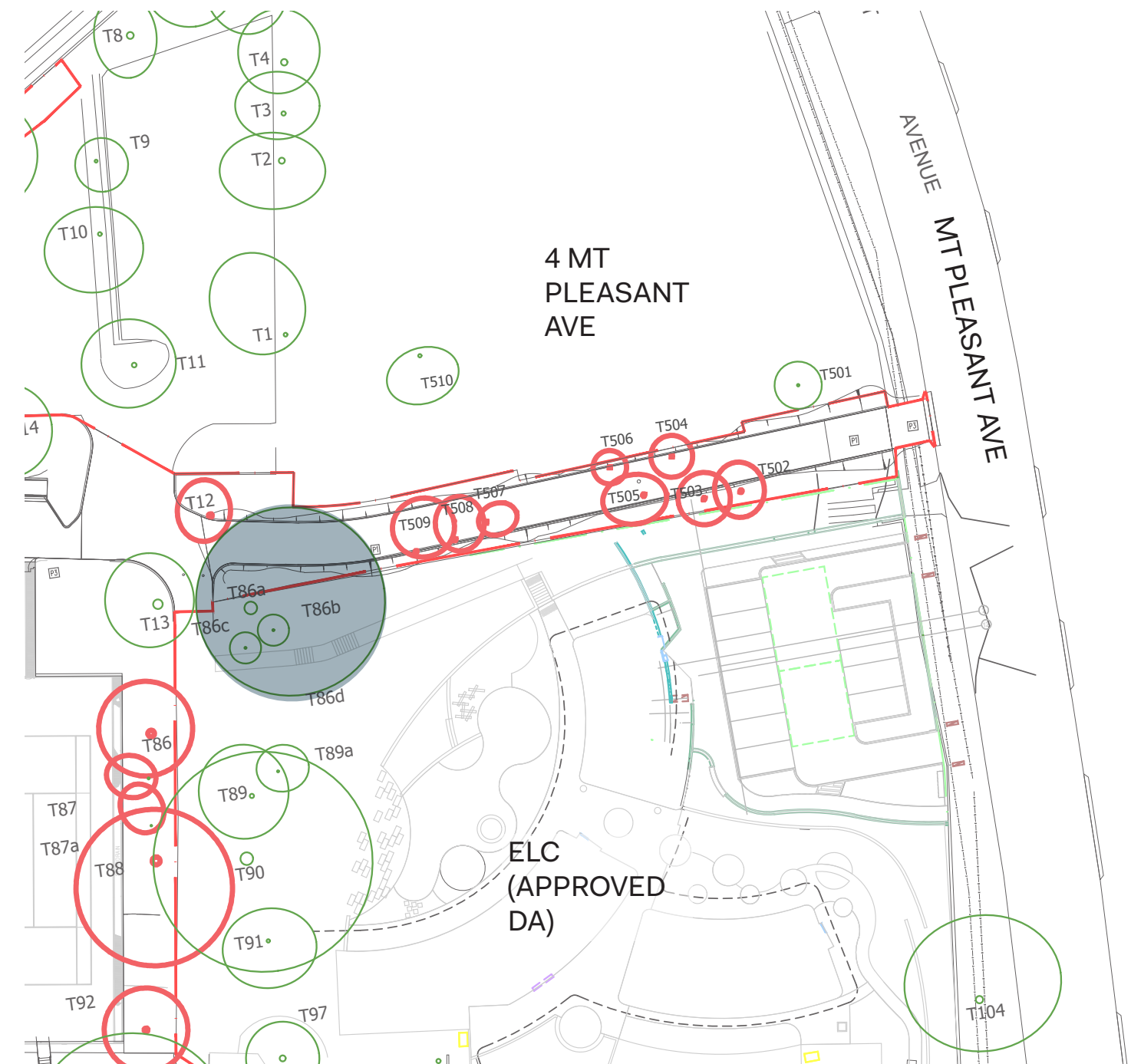
- Trees to be removed for site through link to Mt Pleasant Ave.
- All trees to be removed are of low significance value.
- Port Jackson Fig (T86a) is a High significance tree to be retained and protected.
- Any retaining wall structures to be carefully placed around tree root protection zone under supervision of a qualified Arborist
- Trees adjacent to road upgrade to be protected with installation of trunk protection fences in accordance with Section 10.5 and 10.6 of Arborist Report.
- Excavations for footings and pavements sub-grade to be undertaken in accordance with Section 10.9 of Arborist Report.
- Demolition works within TPZ's to be undertaken in accordance with Section 10.8 of Arborist Report.

To be read in conjunction with Arborist Report

LEGEND

- Highly Significant Trees
- Trees to be retained
- Trees to be removed
- - - Extent of Works

9 Trees to be removed







2.6 Tree Retention + Removal Car Park 3A

Observations:

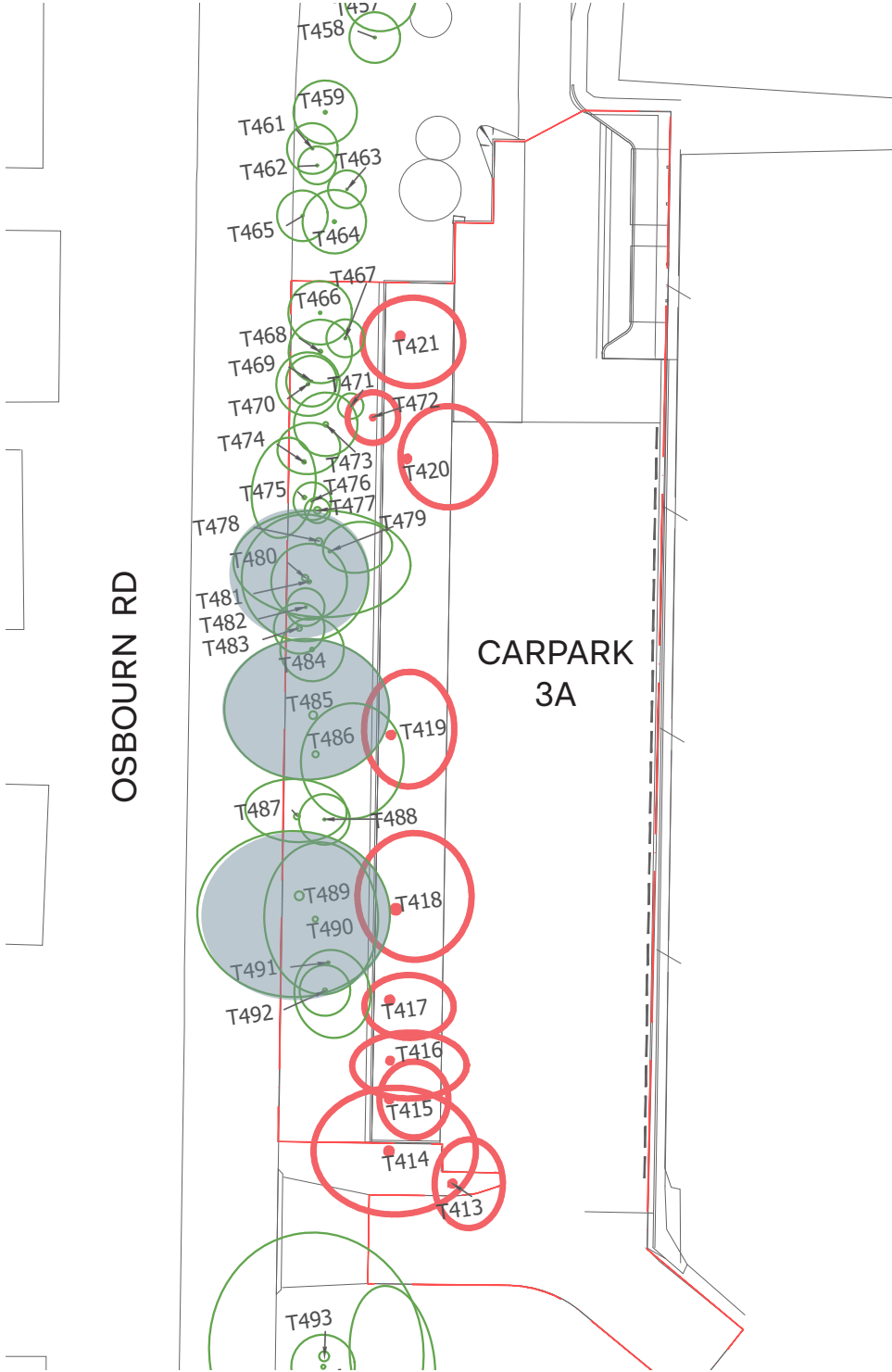
- Row of trees to be removed for expansion of car parking.
- Sydney Blue Gum (T480), Grey Ironbark (T485), Sydney Blue Gum (T489) to be retained and protected.
- Trees adjacent to road upgrade to be protected with installation of trunk protection fences in accordance with Section 10.5 and 10.6 of Arborist Report.
- Excavations for footings and pavements sub-grade to be undertaken in accordance with Section 10.9 of Arborist Report.
- Demolition works within TPZ's to be undertaken in accordance with Section 10.8 of Arborist Report.

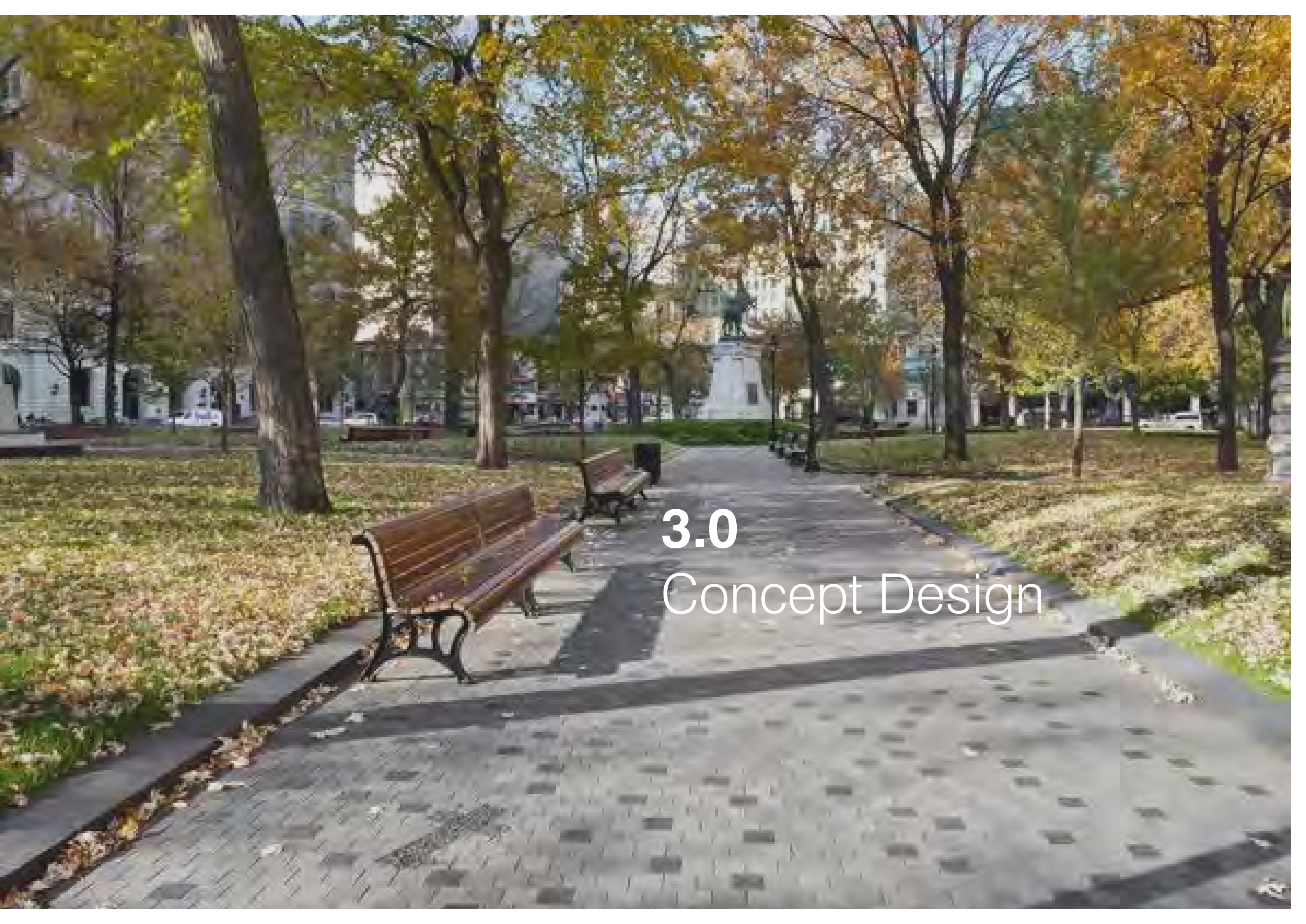
To be read in conjunction with Arborist Report

LEGEND

-  Highly Significant Trees
-  Trees to be retained
-  Trees to be removed
-  Extent of Works

10 Trees to be removed





3.0 Concept Design

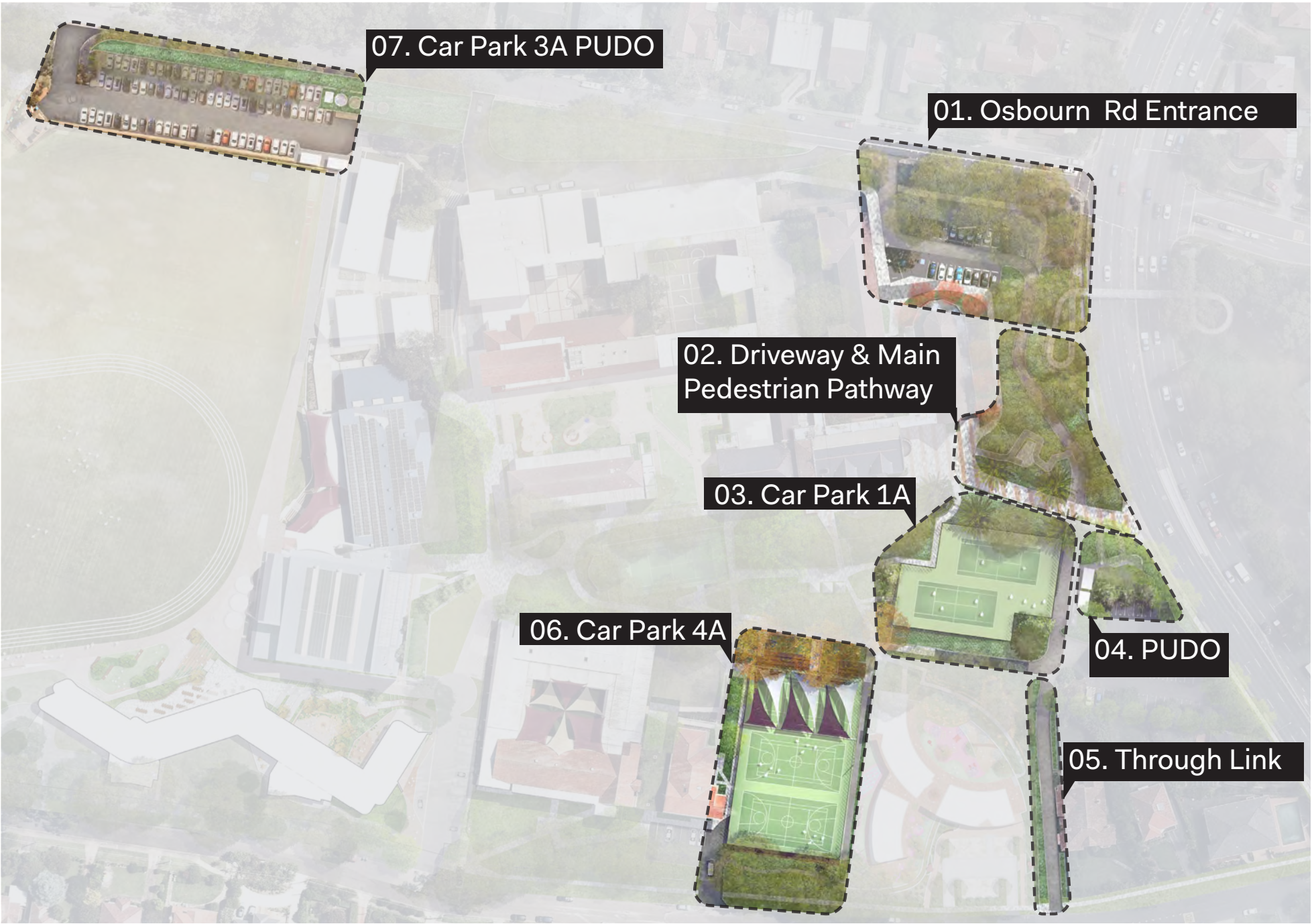
3.1 Landscape Zones

Aim

The provision of additional carparking and site through link with drop off and pick up areas for the safe movement of pedestrians and vehicles within the school campus.

Key Areas:

- 01. Osbourn Rd Entrance
- 02. Main Pedestrian Pathway
- 03. Car Park 1A- Tennis Courts
- 04. New Pick Up/Drop Off Area (PUDO)
- 05. Link to Mt Pleasant Ave
- 06. Car Park 4A - Basketball Courts
- 07. Car Park 3A - Pick Up/Drop Off Area



3.2 Landscape Zoning - Design Intent



01. Osbourn Rd Entrance

Feature entrance signage on the corner of Pennant Hills Rd.



02. Main Pedestrian Pathway

Feature paving and clear sight lines through the campus



03. Car Park 1A - Tennis courts

Terraced planters with cascading planting



04. New Open Space

Incorporation of Indigenous garden



05. Link to Mt Pleasant Ave

Formal buffer planting along the new road link



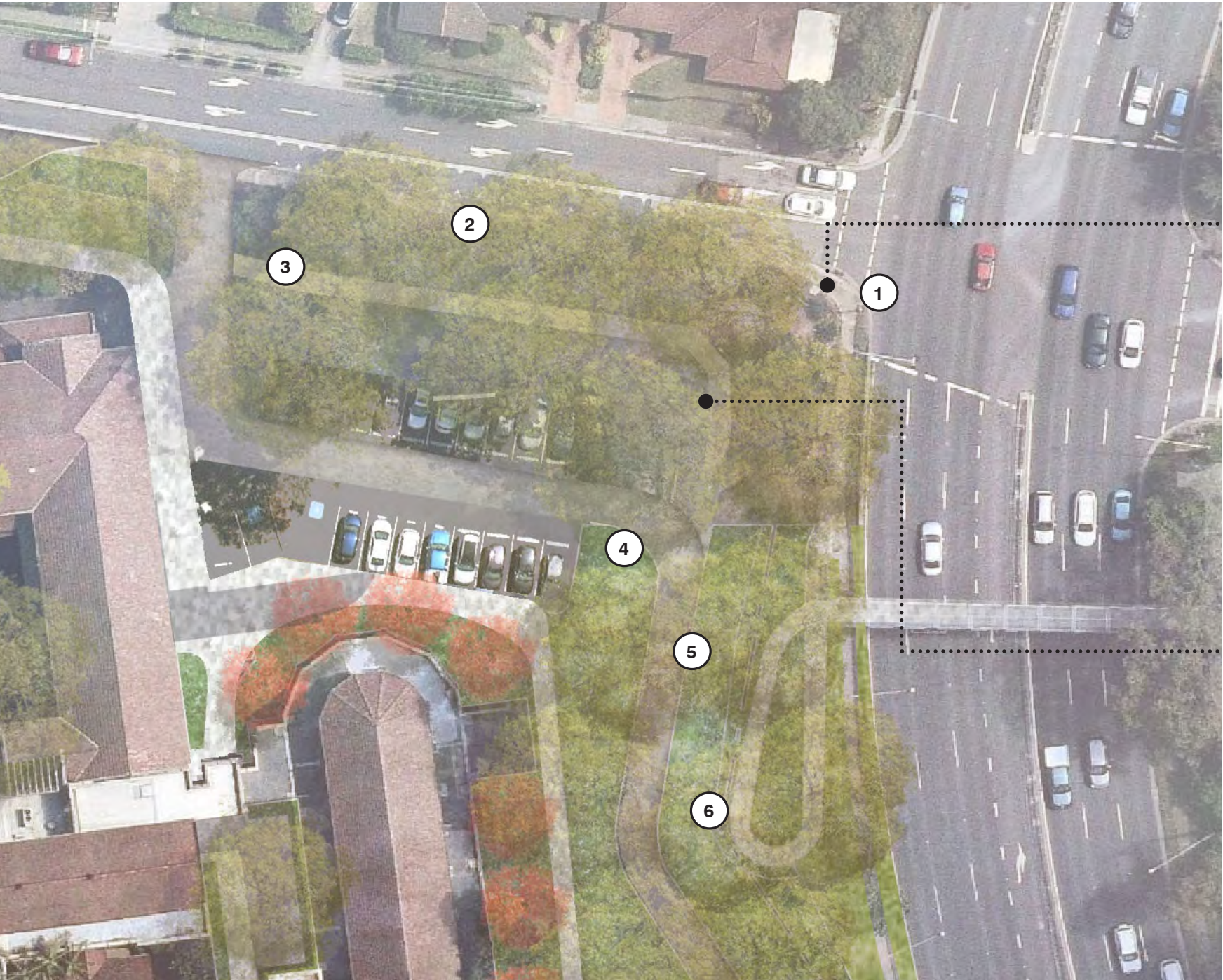
06. Car Park 4A - Basketball courts

Terraced bleachers with natural materials

3.3 Osbourn Rd Entrance



Key Plan



- Legend**
- 1 Upgrade to corner retaining wall
 - 2 Slope stabilisation with planting
 - 3 Replacement of slip road with gravel pathway
 - 4 Additional planting around car park
 - 5 Retaining walls sensitive to existing tree
 - 6 Planting along upgraded roadway

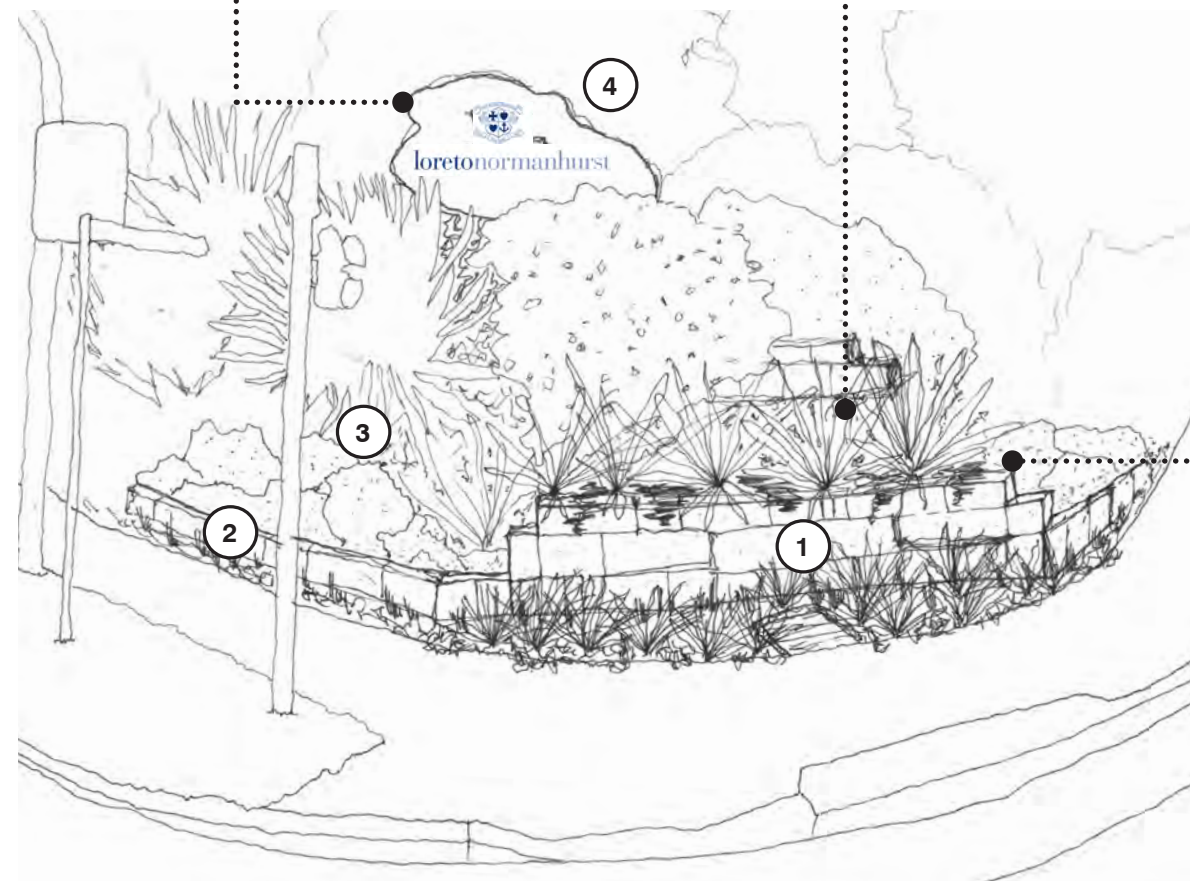
3.4 Osbourn Rd - Corner Retaining Wall Concept

Design Moves

Proposed upgrades to the corner treatment of Osbourn Rd and Pennant Hills would improve the public domain interface and edge condition.

These are the proposed changes:

- Sandstone wall to replace delapidated timber retaining wall to match into surround edge treatment of the school
- Extension of retaining wall to retain edge to pathway to prevent soil erosion and maintain a clear path of travel
- Upgraded planting with large shrubs retained and additional groundcover planting.
- Digital signage integration for School on Boundary line - subject to separate approval.



Legend

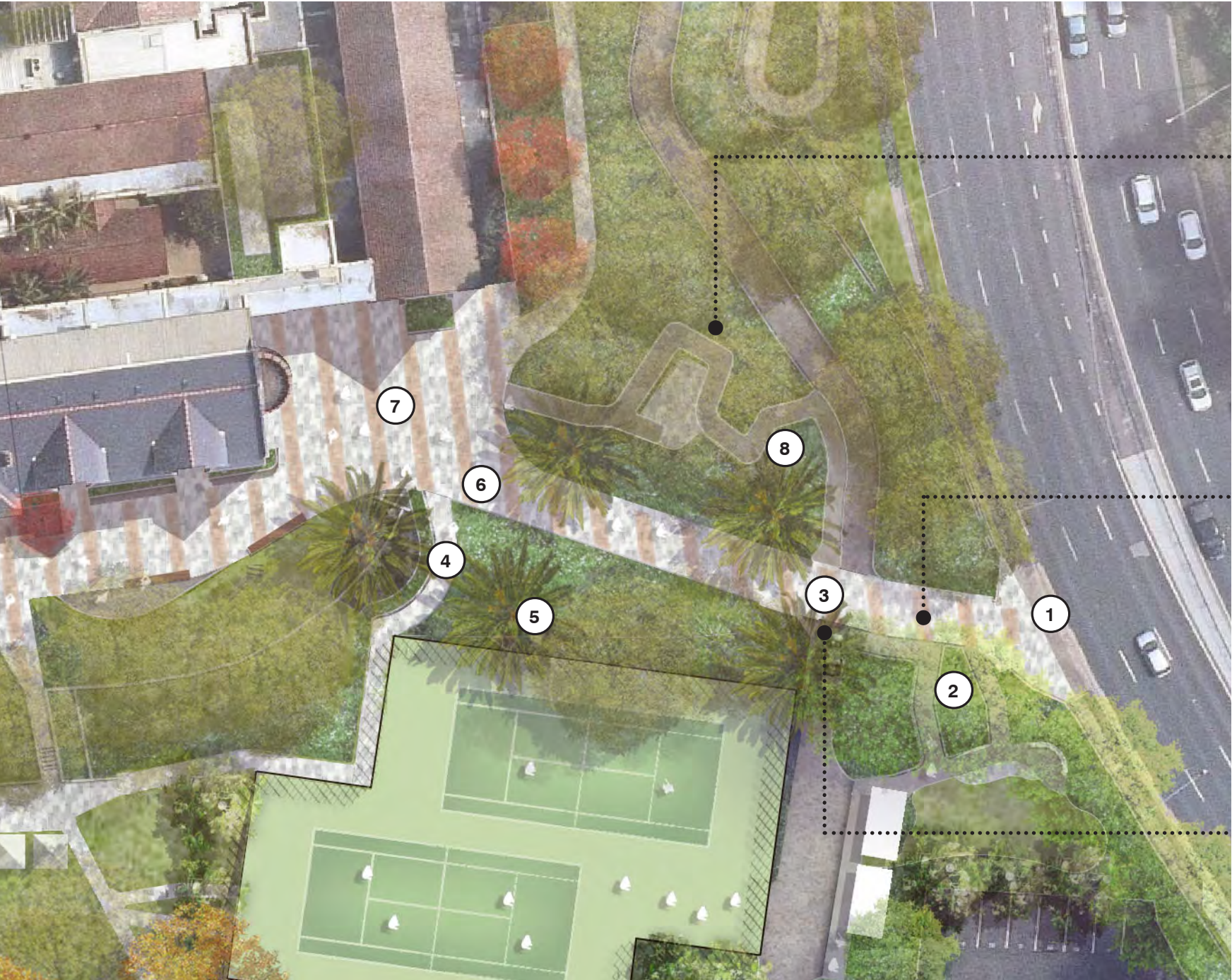
- ① Sandstone block retaining wall
- ② Extension of retaining wall
- ③ Upgraded planting
- ④ Indicative location for new Digital signage - subject to separate approval.



3.5 Main Pedestrian Entrance + Accessible Path

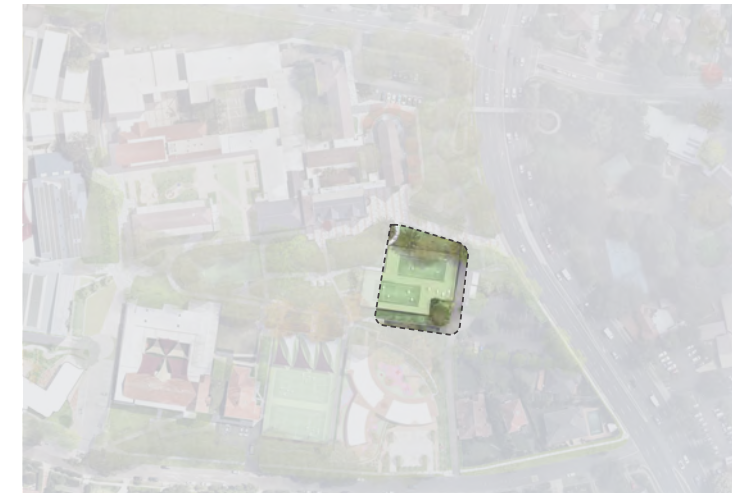


Key Plan

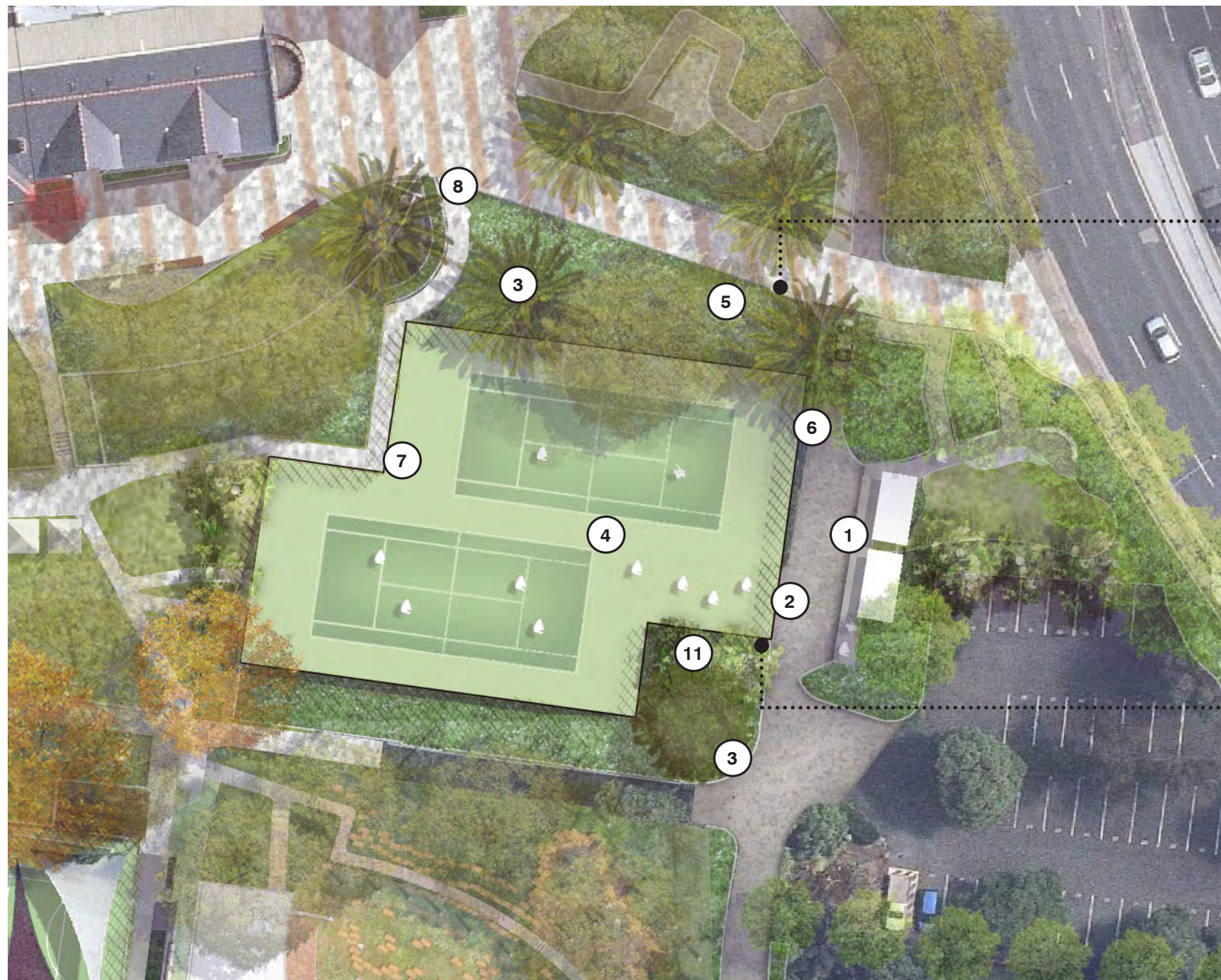


- Legend**
- 1 Ceremonial entrance with retained heritage gate
 - 2 Pedestrian link to pick up and drop off area
 - 3 Pedestrian crossing with removable bollards
 - 4 Accessible route to raised tennis courts
 - 5 Retention of high value existing tree
 - 6 Re-paving of pathway
 - 7 Regrading of car parking area to become open plaza space
 - 8 Accessible raised pathway through garden around existing trees

3.6 Car Park 1A - Tennis Courts



Key Plan



Legend

- ① Pick Up/Drop Off Area with 2 x Shade shelters
- ② Car Park entrance
- ③ Existing Norfolk Pine Tree to be retained and protected
- ④ Raised Tennis courts x 2
- ⑤ Existing kerb and sandstone walls retained, planting upgraded
- ⑥ Retaining garden walls with re-use of heritage sandstone walls.
- ⑦ Entrance to tennis courts
- ⑧ Accessible path link from tennis courts to main plaza area
- ⑨ Path access from car park below
- ⑩ Make good with existing path
- ⑪ Feature planting around existing Norfolk Pine tree



3.7 New Open Space/Indigenous Garden

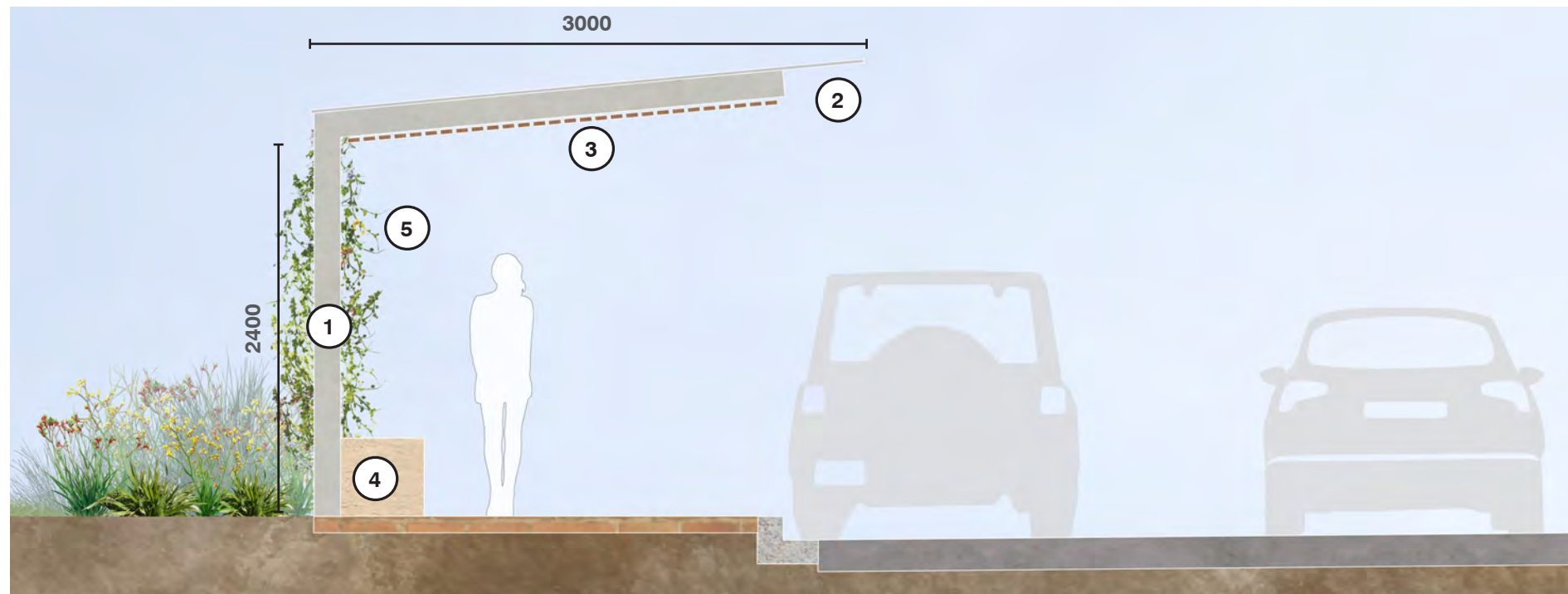


Key Plan

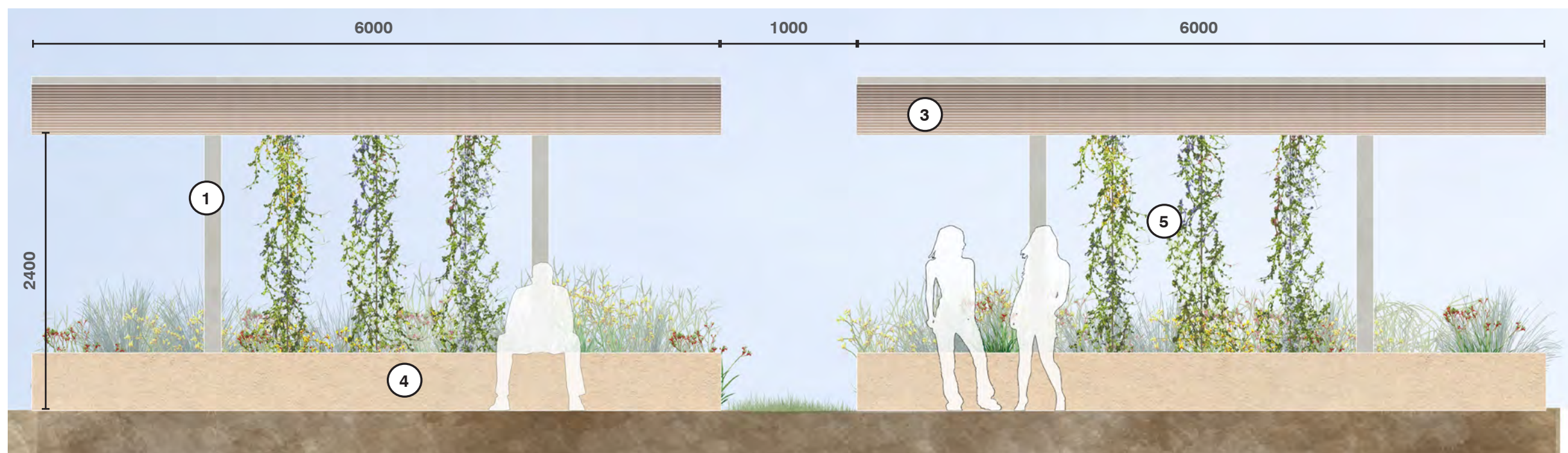


- Legend**
- 1 2 x Shade Shelters and waiting area
 - 2 Indigenous planting
 - 3 Retention and protection of existing trees
 - 4 Start of Equal access route through landscape, raised pathway construction around existing trees
 - 5 Open lawn area
 - 6 Seating area
 - 7 New Tree planting to provide shade for car parking

3.8 Shade Shelter Concept



Section - Shelter through PUDO



Elevation - Shelter towards open space

Legend

- ① Steel Structural Frame
- ② Translucent Roof Sheeting
- ③ Louvres
- ④ Sandstone block seat
- ⑤ Steel cables with climbing plants

