## 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:

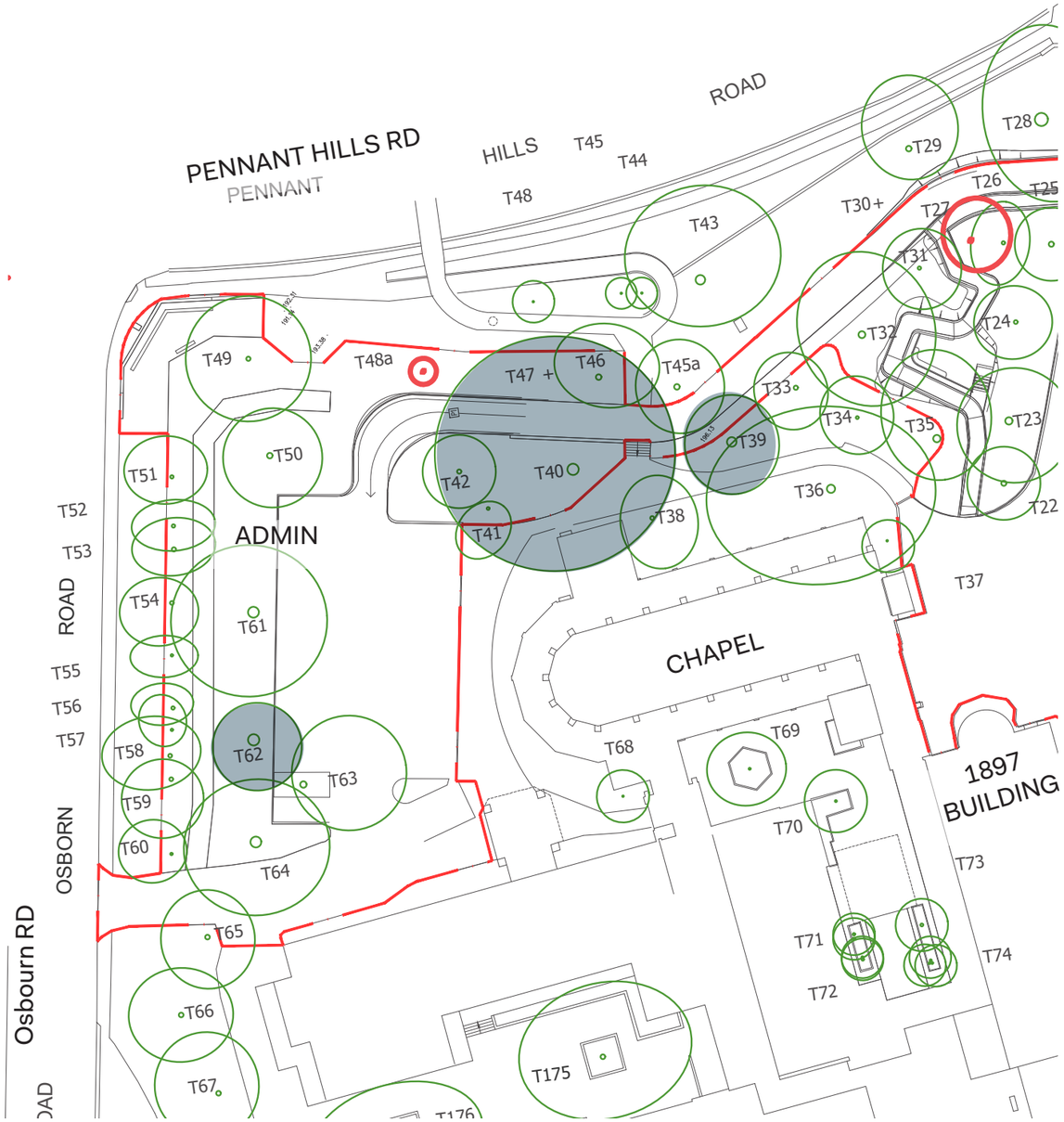
- Blackbutt (T40) and Hoop Pine (T39)to be retained and protected during works.
- Firewheel Tree (T48a) to be removed.
- Any retaining wall structures to be carefully placed around tree root protection zone under supervision of an Arborist.
- Trees adjacent to road upgrade to be protected with installation 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:

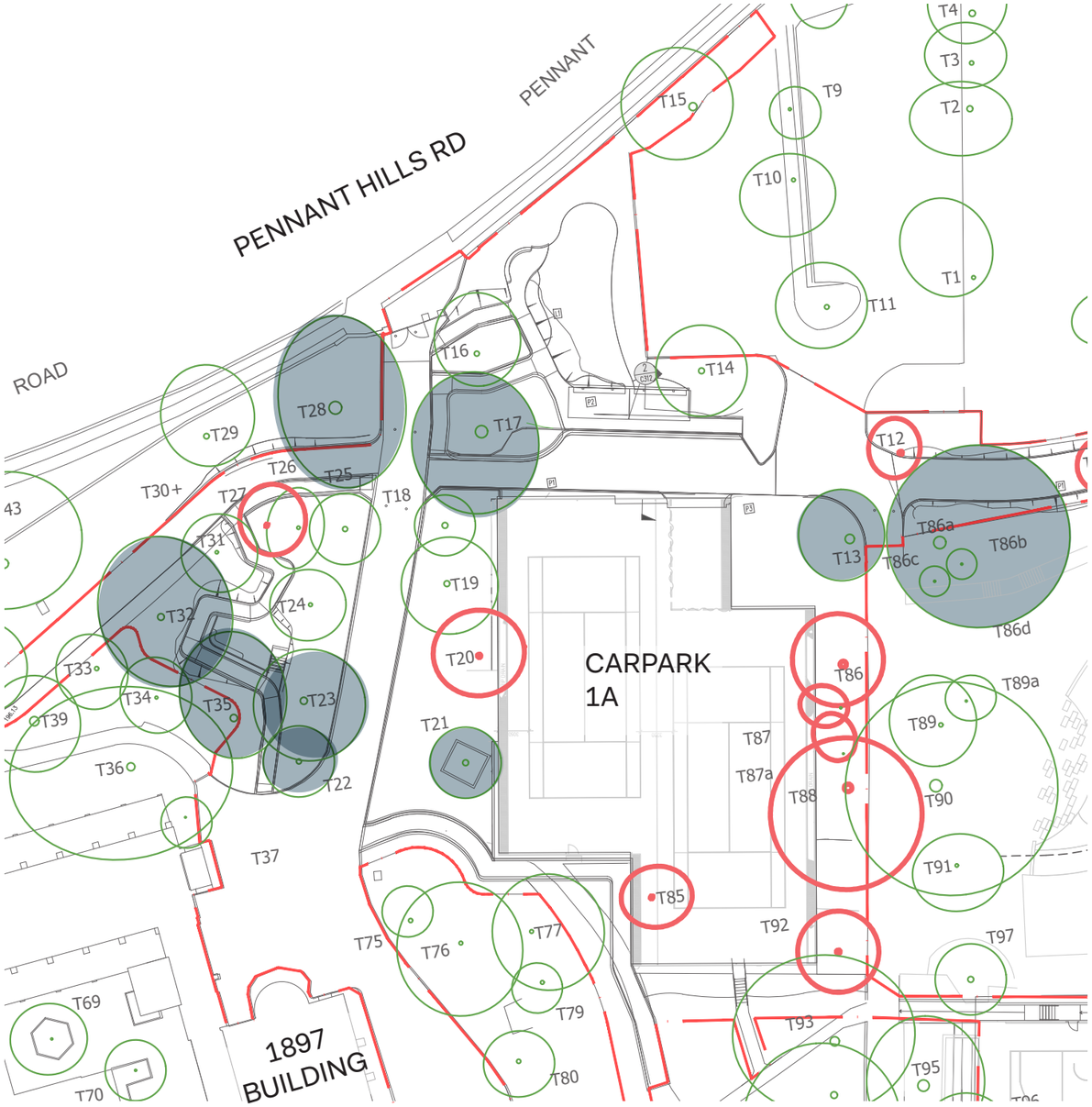
- Norfolk Pine (T13) is High value and High significance
- Himalayan Cedars (T32 & T35), Canary Island palm (T22) and Plum Pine (T23) to be protected during new pathway works.
- Golden Robinia (T20), Blackbean (T86), Blueberry Ash (T87 & T97a), Red Oak,
- Any retaining wall structures to be carefully 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:

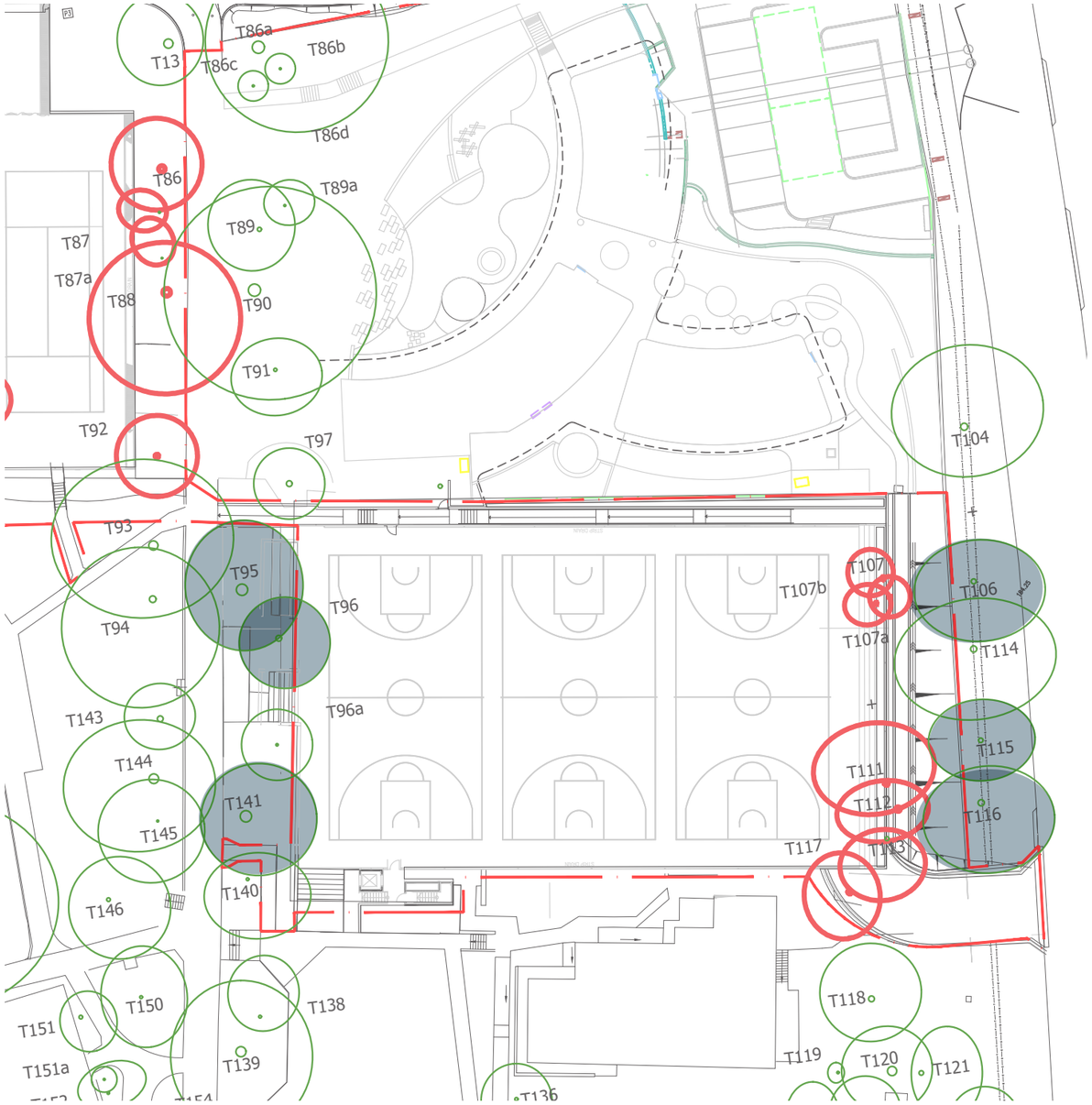
- Brushbox (T95), Hoop Pine (T96) and Camphor Laurel (T141)to be retained and protected during works.
- T106, T14 and T116 are high significance trees which sit outside the site boundary which should be protected and retained during works.
- Any retaining wall structures to be carefully placed around 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

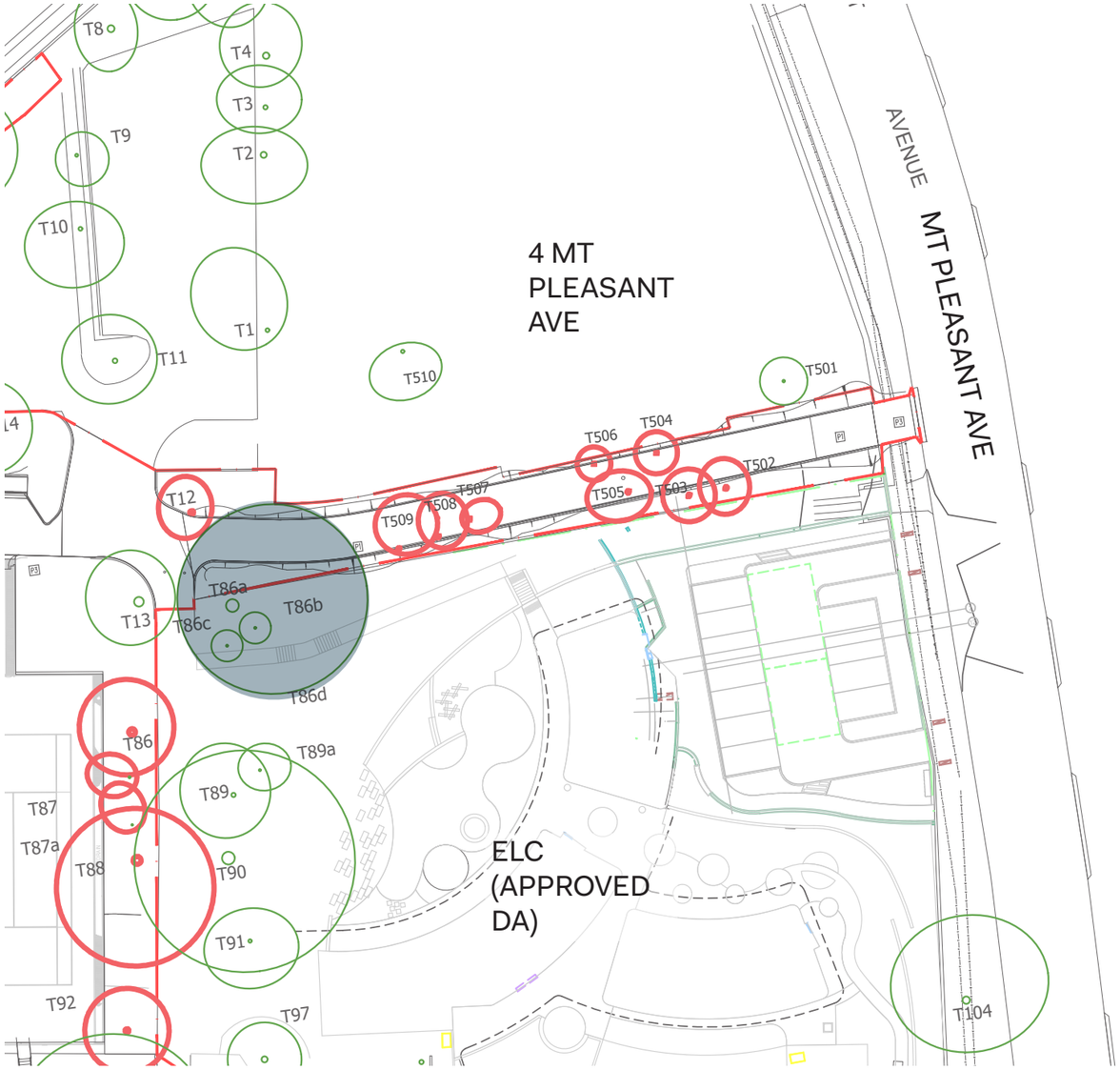


# 2.5 Tree Retention + Removal Site Through Link (4 Mt Pleasant Ave)

## 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

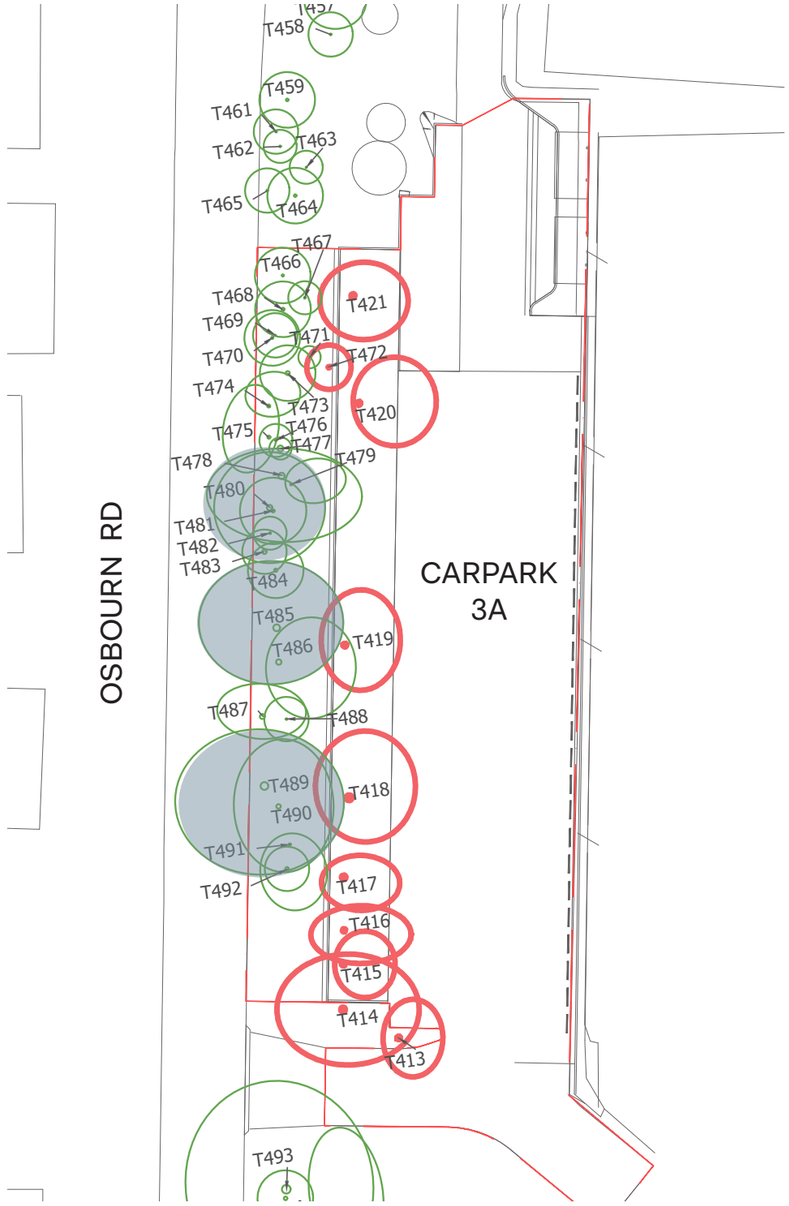
9 Trees to be removed

# 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**

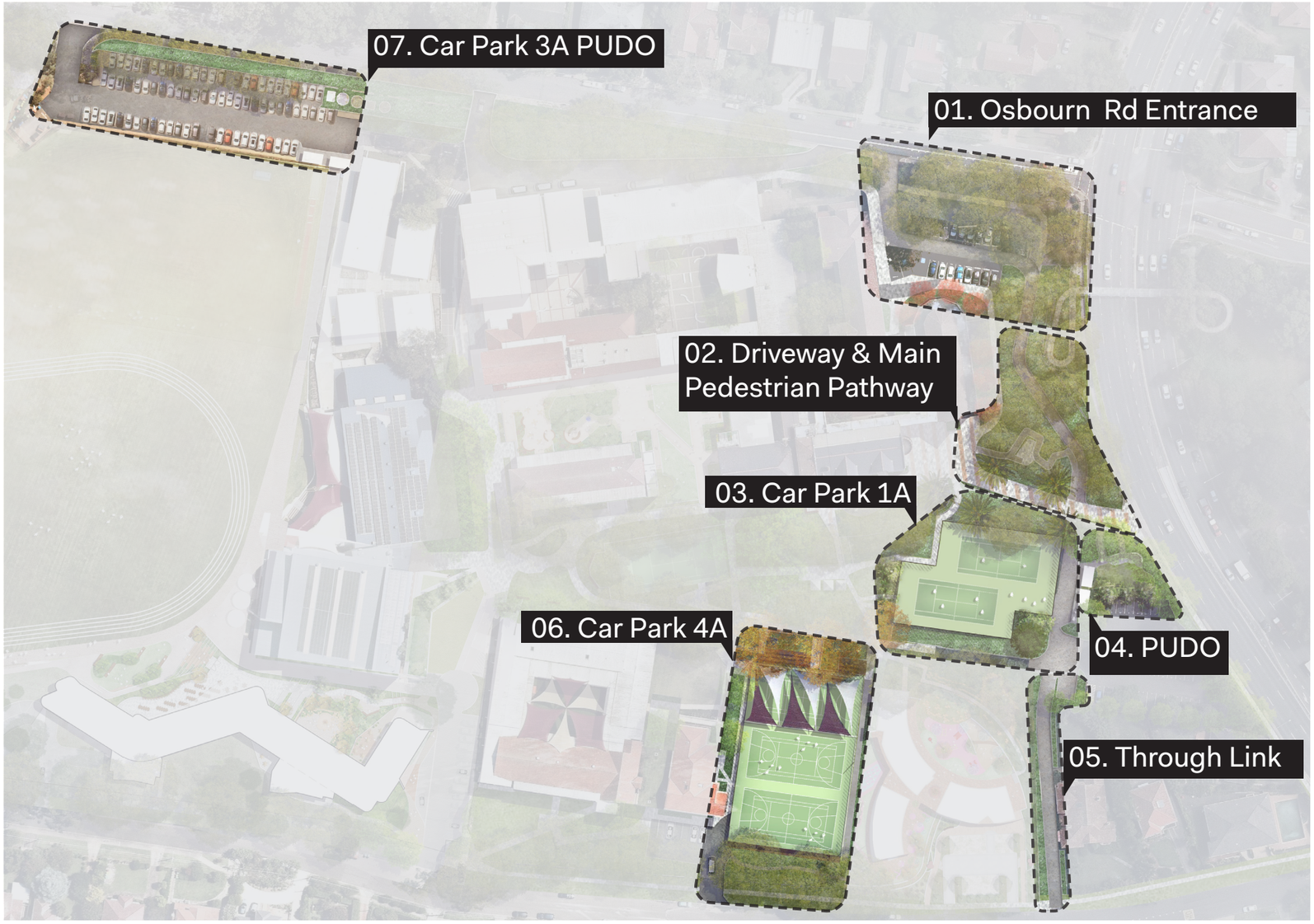
**03. Car Park 1A- Tennis Courts**

**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

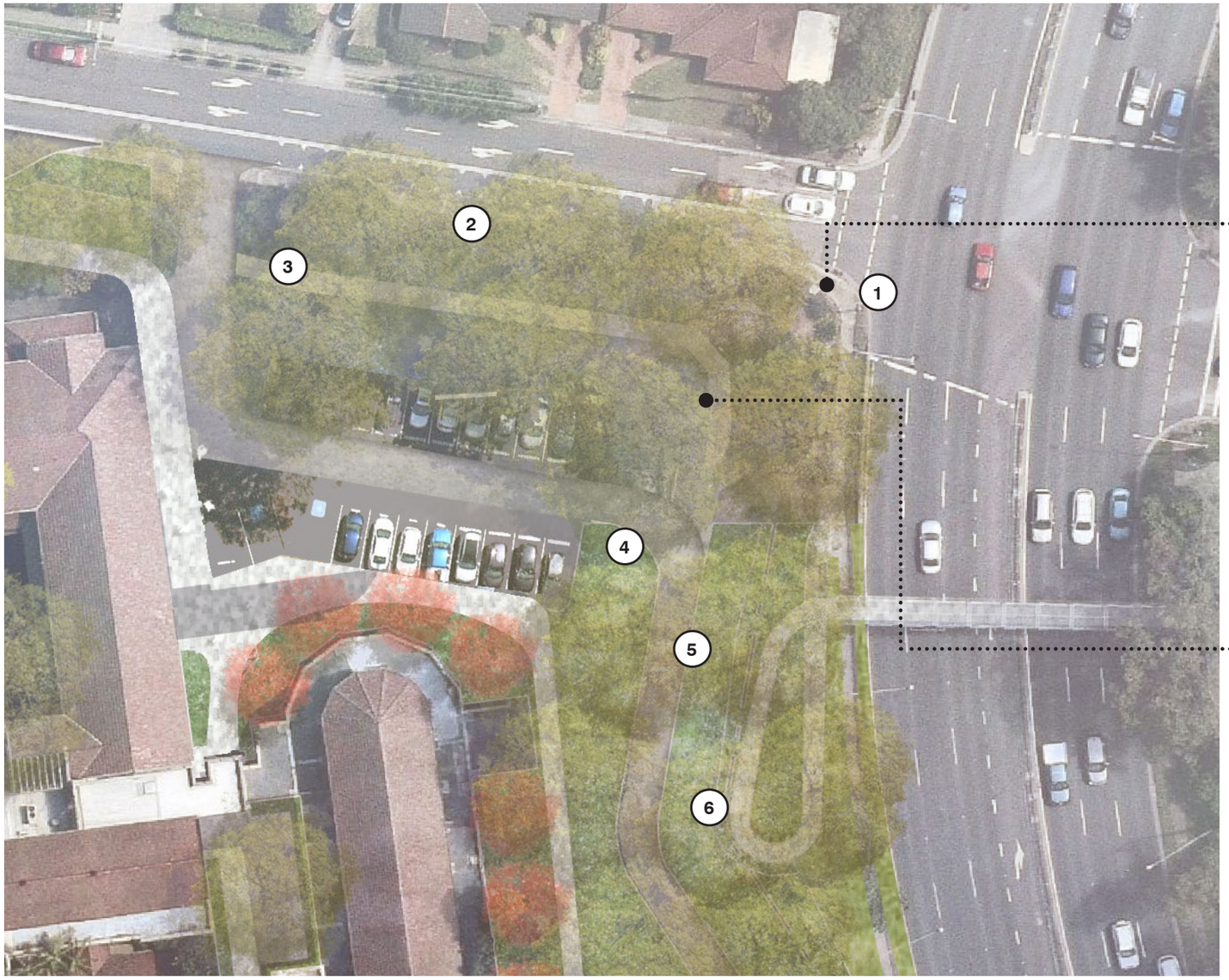
**05. Link to Mt Pleasant Ave**

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**

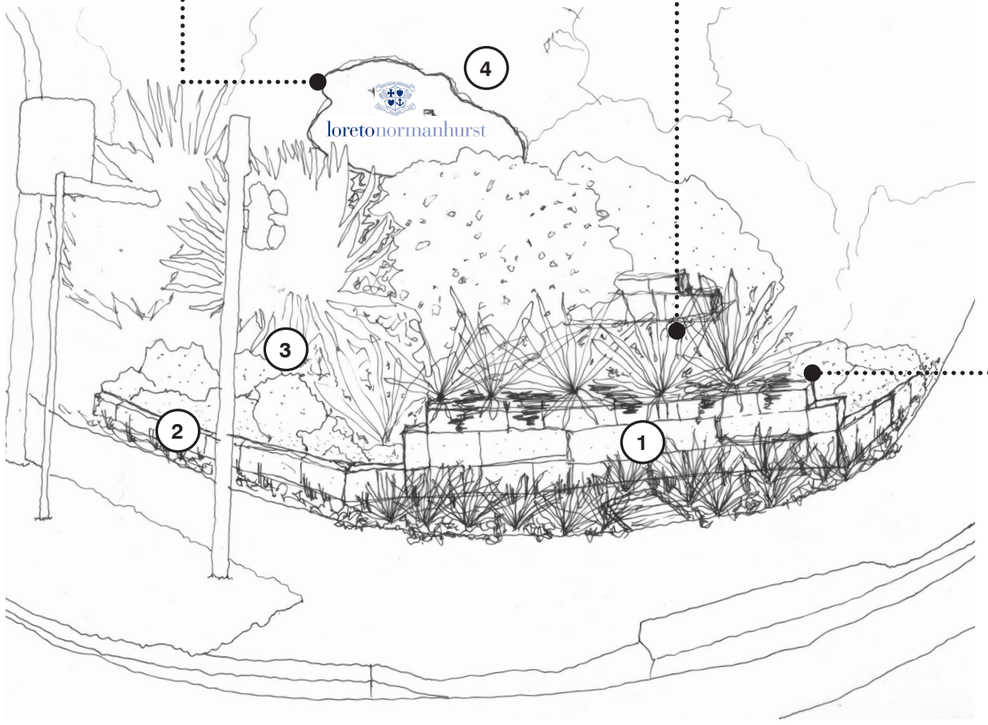
1. Upgrade to corner retaining wall
2. Slope stabilisation with planting
3. Replacement of slip road with gravel pathway
4. Additional planting around car park
5. Retaining walls sensitive to existing tree
6. Planting along upgraded roadway

# 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.

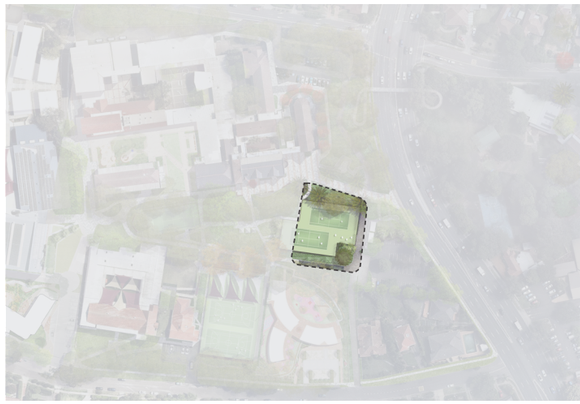
# 3.5 Main Pedestrian Entrance + Accessible Path

**Key Plan**

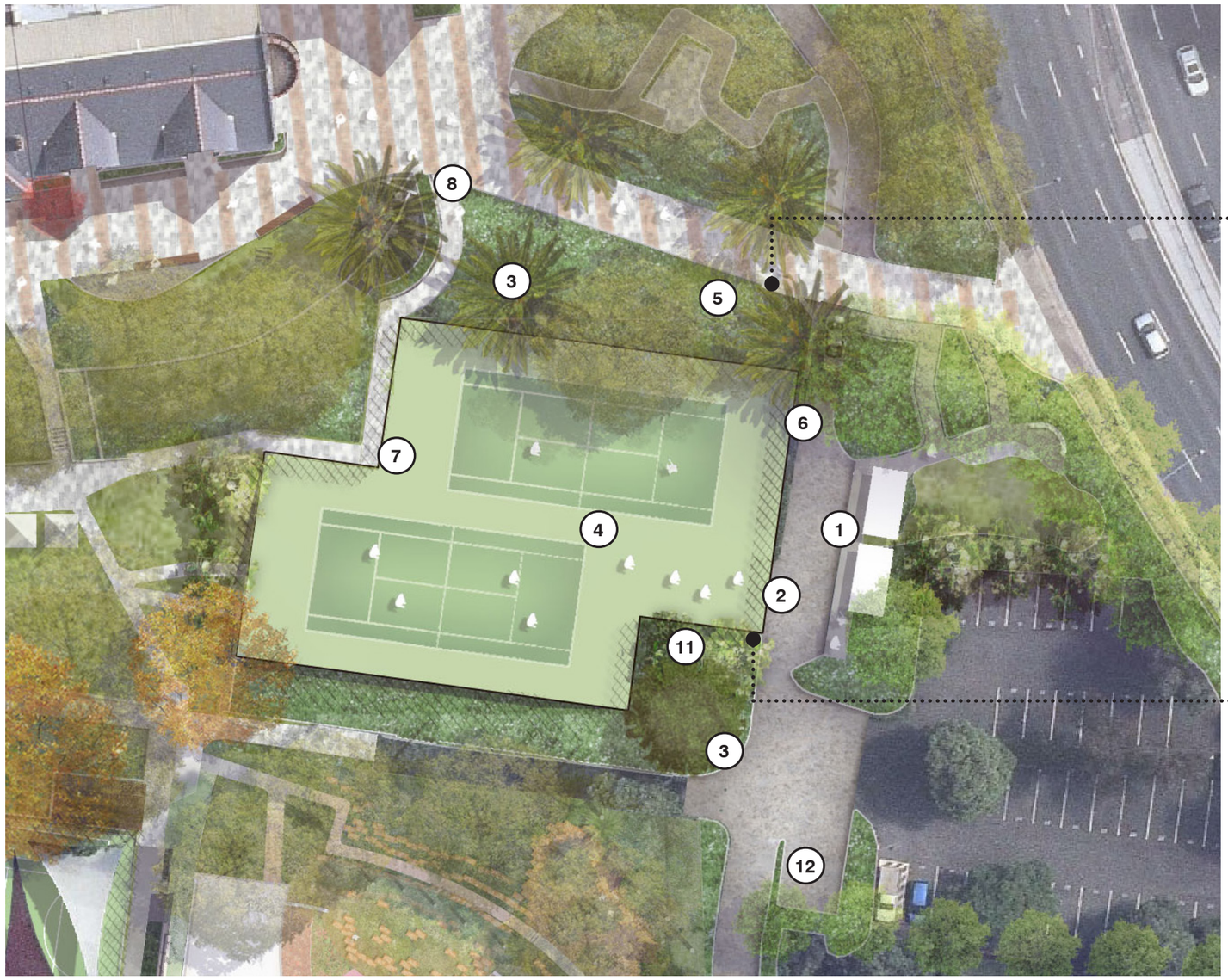
**Legend**

1. Ceremonial entrance with retained heritage gate
2. Pedestrian link to pick up and drop off area
3. Pedestrian crossing with re-movable 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
12. 2 x carpark spaces

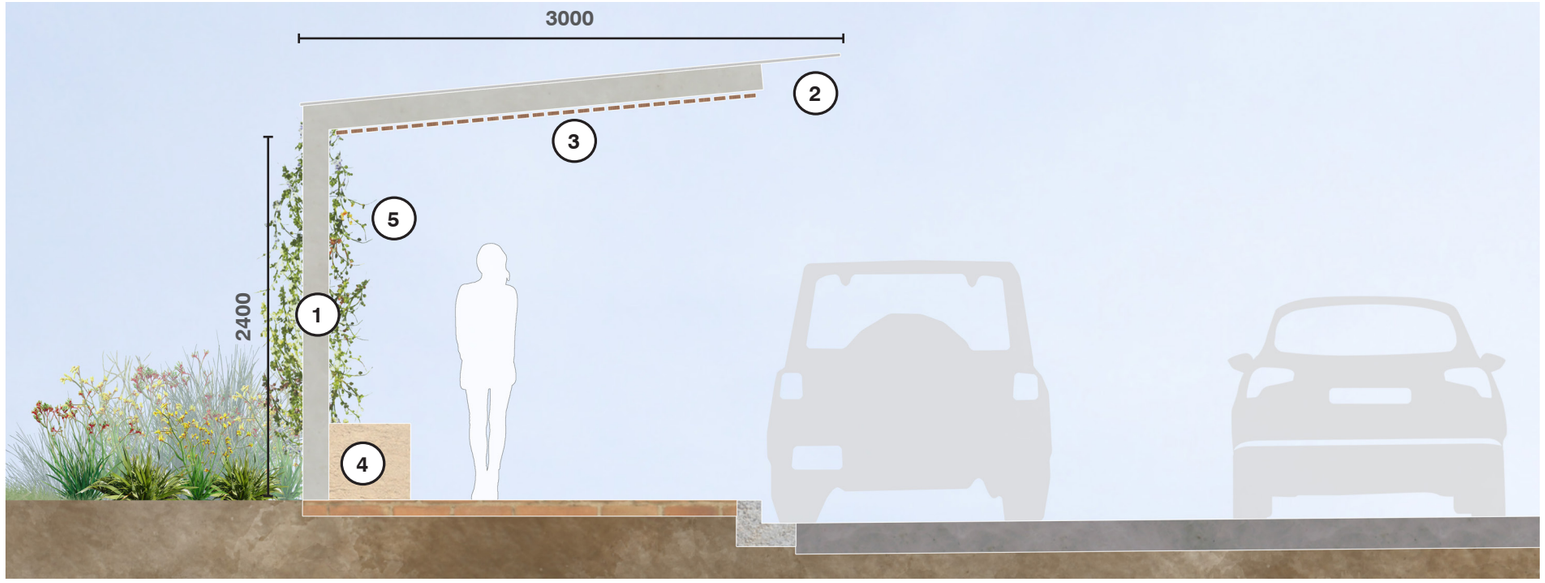
# 3.7 New Open Space/Indigenous Garden

**Key Plan**

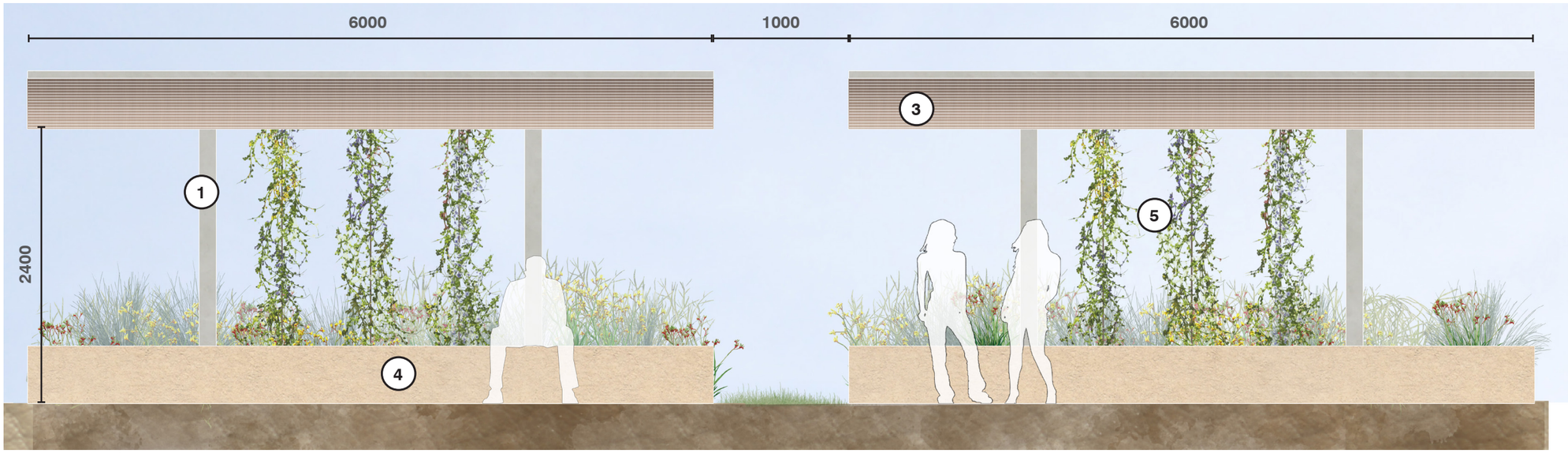
**Legend**

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**

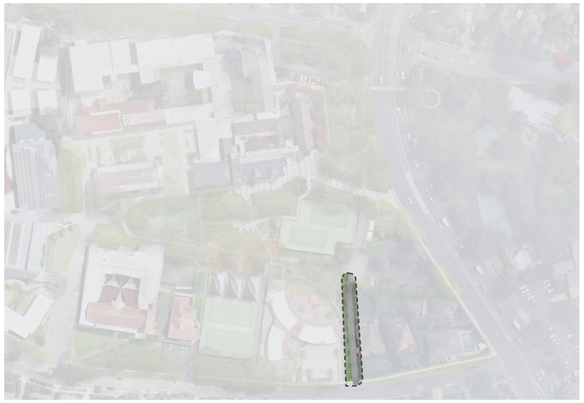
1. Steel Structural Frame
2. Translucent Roof Sheeting
3. Louvres
4. Sandstone block seat
5. Steel cables with climbing plants

3

5

4

# 3.9 Link to Mt Pleasant Ave

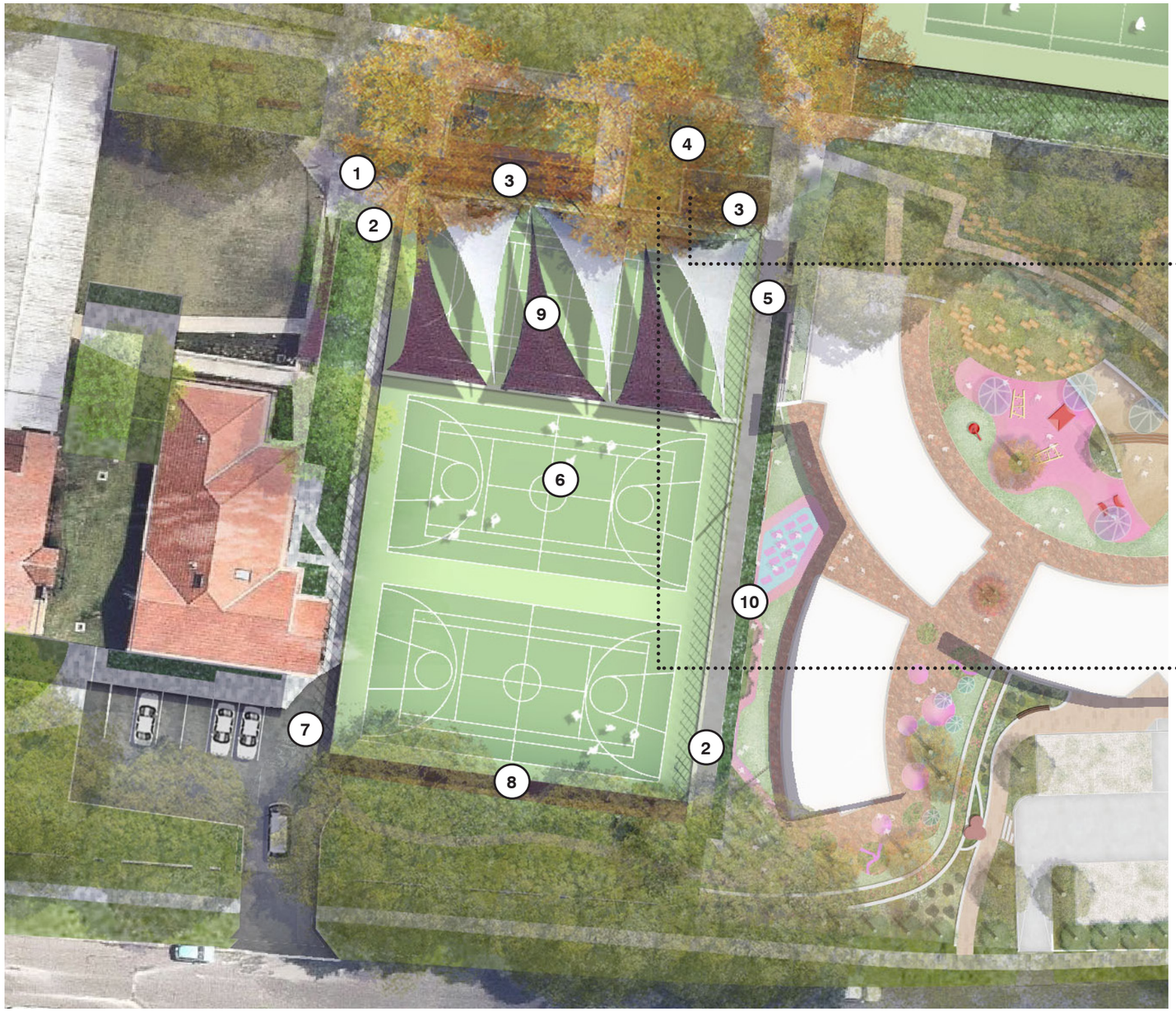


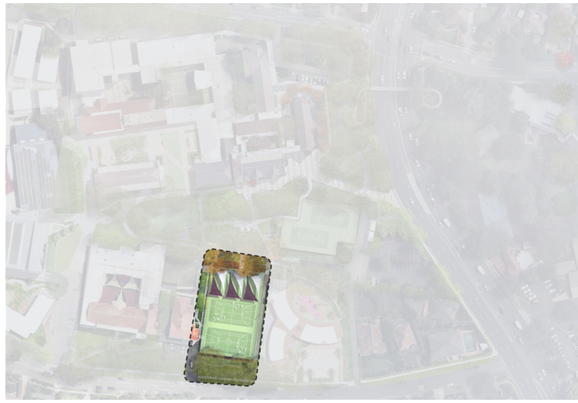
**Key Plan**

**Legend**

1. Link road intersection
2. Existing Trees to be retained
3. Formal planting style to edge of road
4. Hedge buffer planting between road and future ELC building
5. Exit Gate onto Mt Pleasant Ave
6. Fencing integrated into planting (TBC with Heritage Consultant)
7. Existing heritage garden to be retained
8. 4 Mt Pleasant Ave heritage building to be retained and protected.

# 3.10 Car Park 4A - Basketball Court



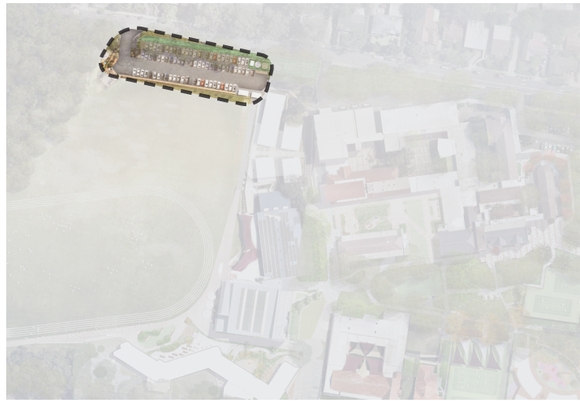



**Key Plan**

**Legend**

1. Lift access from car parking below courts
2. Stair access from car parking below
3. Existing Sandstone and timber bleachers retained
4. Planting and deck around existing trees to be retained and protected
5. Pathway link access to ELC roof - for maintenance only
6. Raised basketball court level
7. Carpark driveway entrance and exit
8. Timber bleachers seats with planter behind for greening of court fence
9. Shade sails to be re-instated
10. Terraced planting to reduce scale of

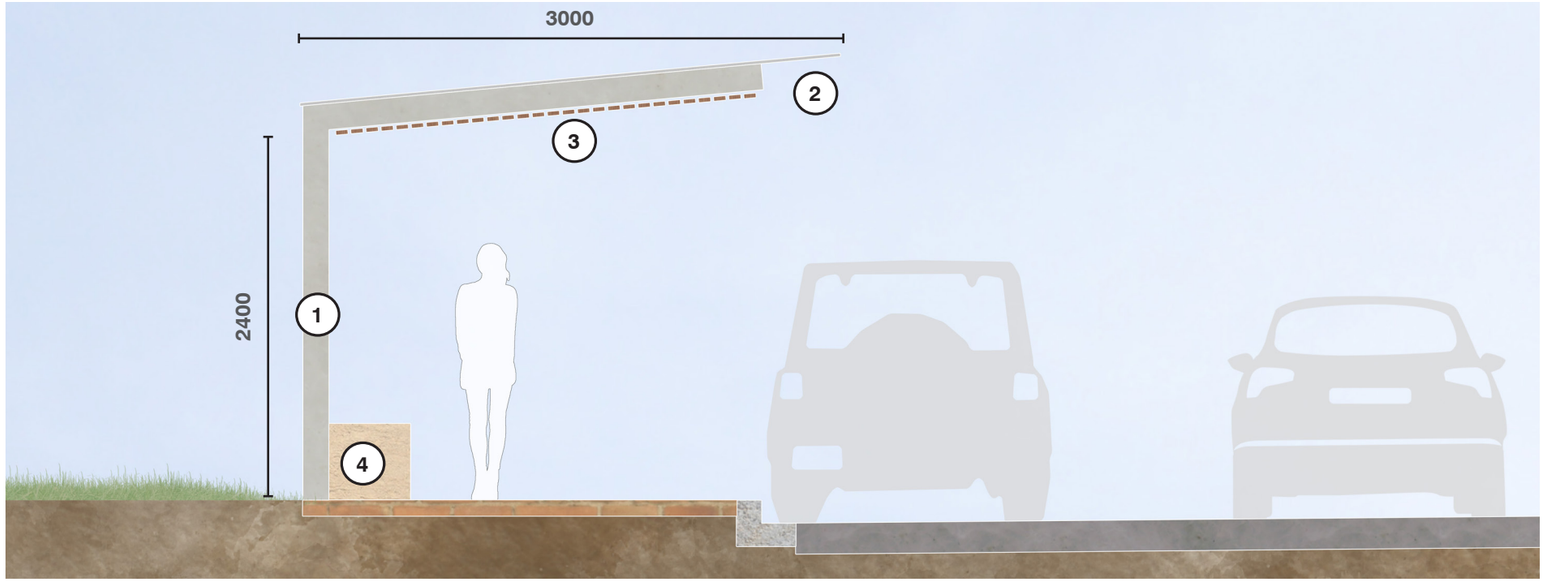
# 3.11 Car Park 3A - PUDO



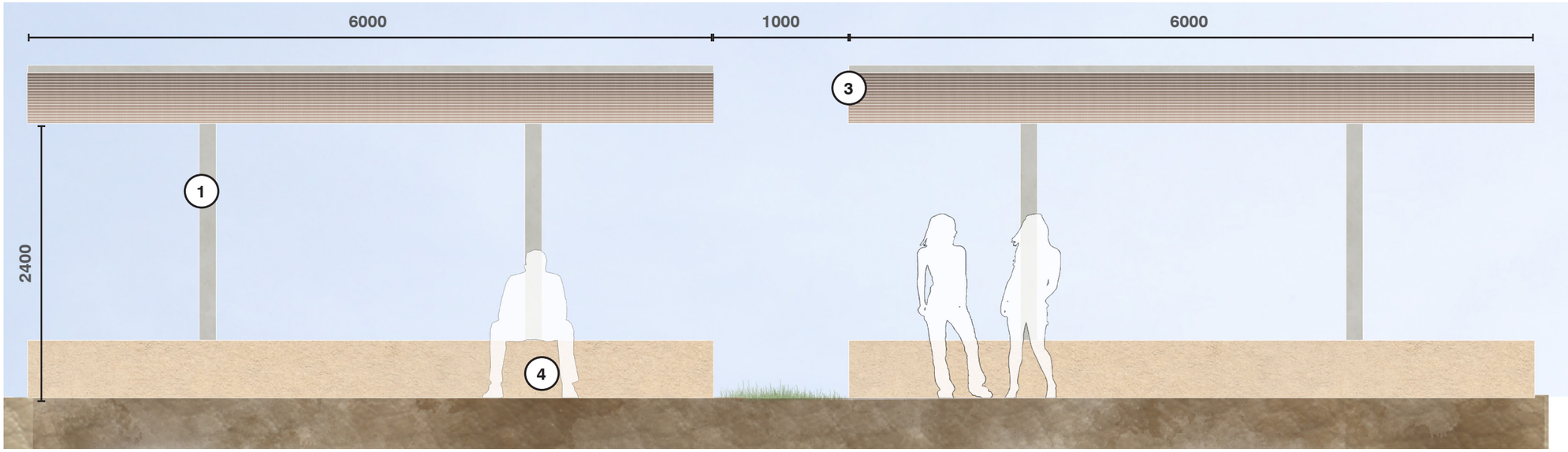
**Legend**

1. Re-alignment of parking to Civil Engineers documentation
2. New Pick Up/Drop Off area
3. 2 x Shade Shelter
4. Upgrade existing planting to Osbourn Rd

# 3.12 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

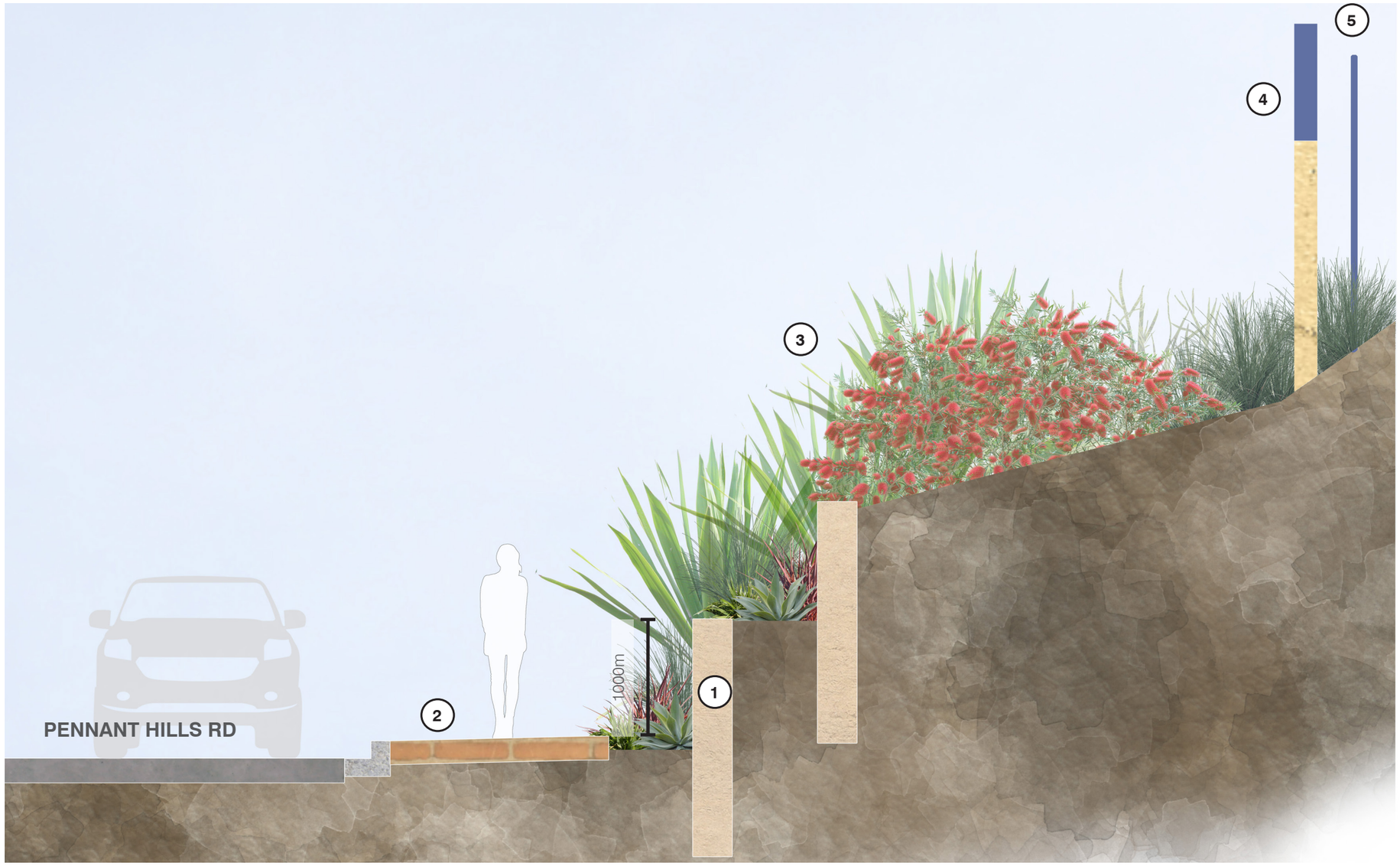
2

3

4

# 4.0
# Sections

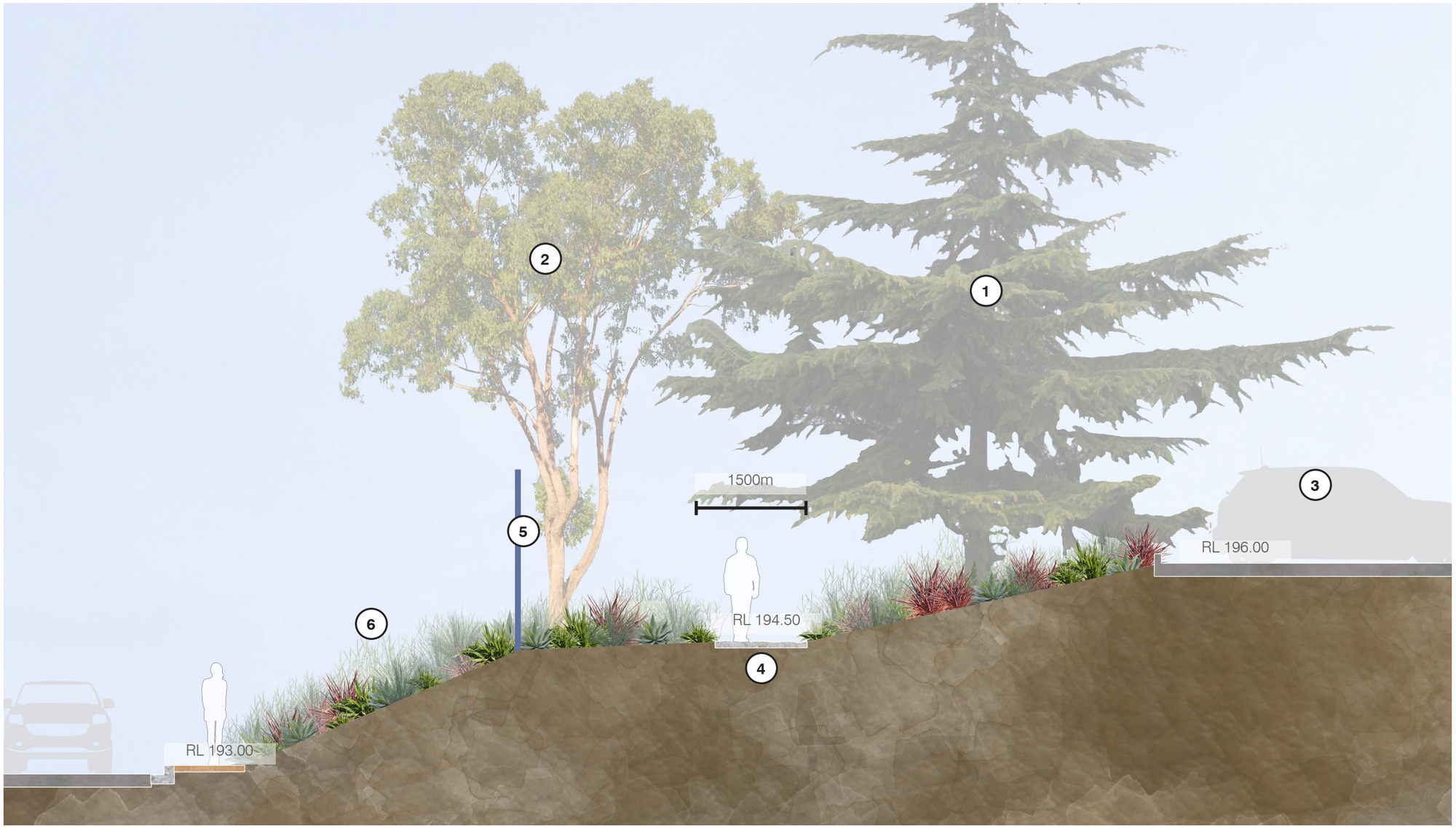
# 4.1 Osbourn Rd - Corner Updgrade Section




**Legend**

1. Sandstone block retaining wall
2. Existing public domain pathway
3. Upgraded planting
4. Integrated signage with opportunity for digital signange
5. Existing fence

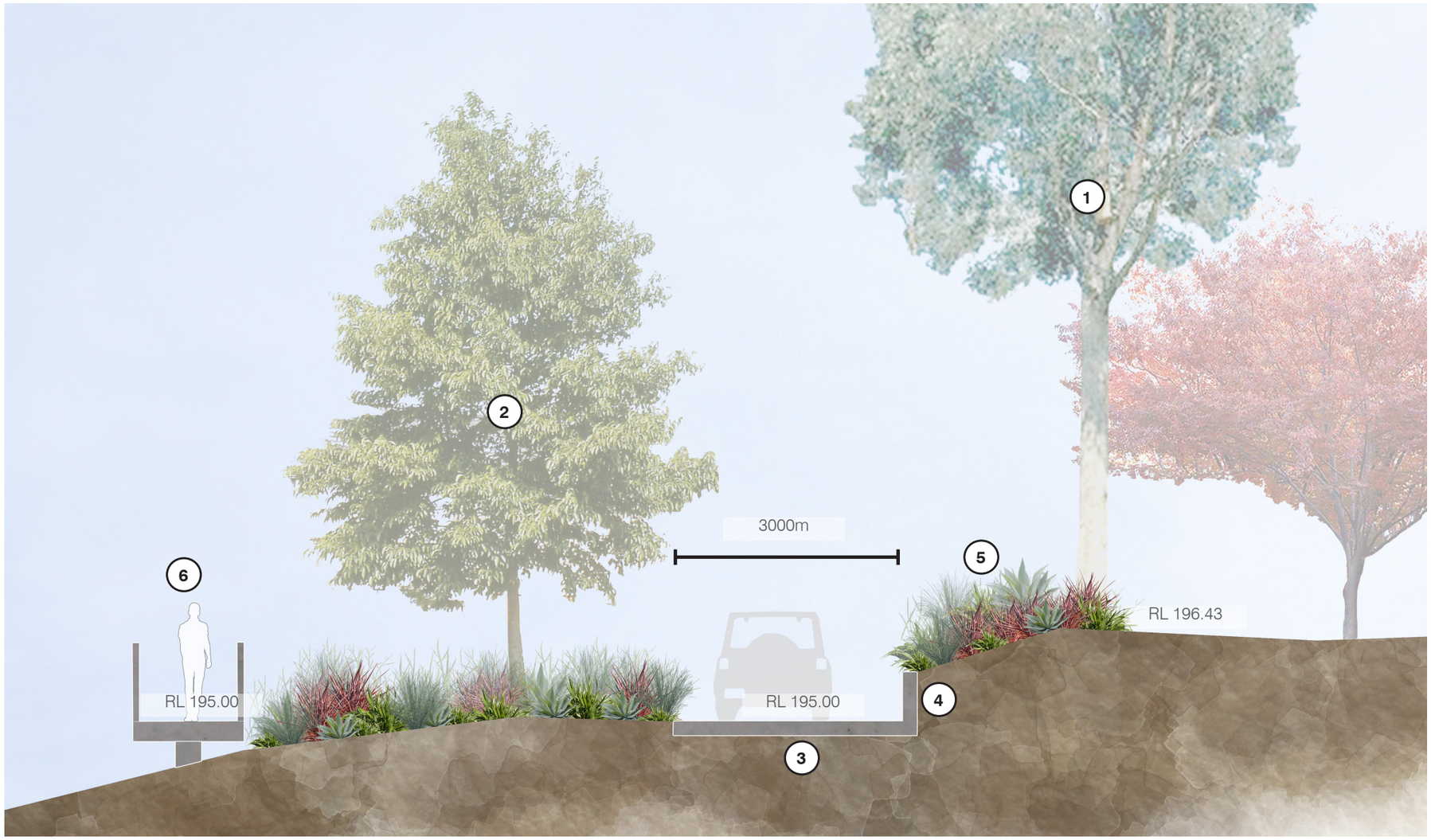
# 4.2 Section 1- Osbourn Rd Interface




**Legend**

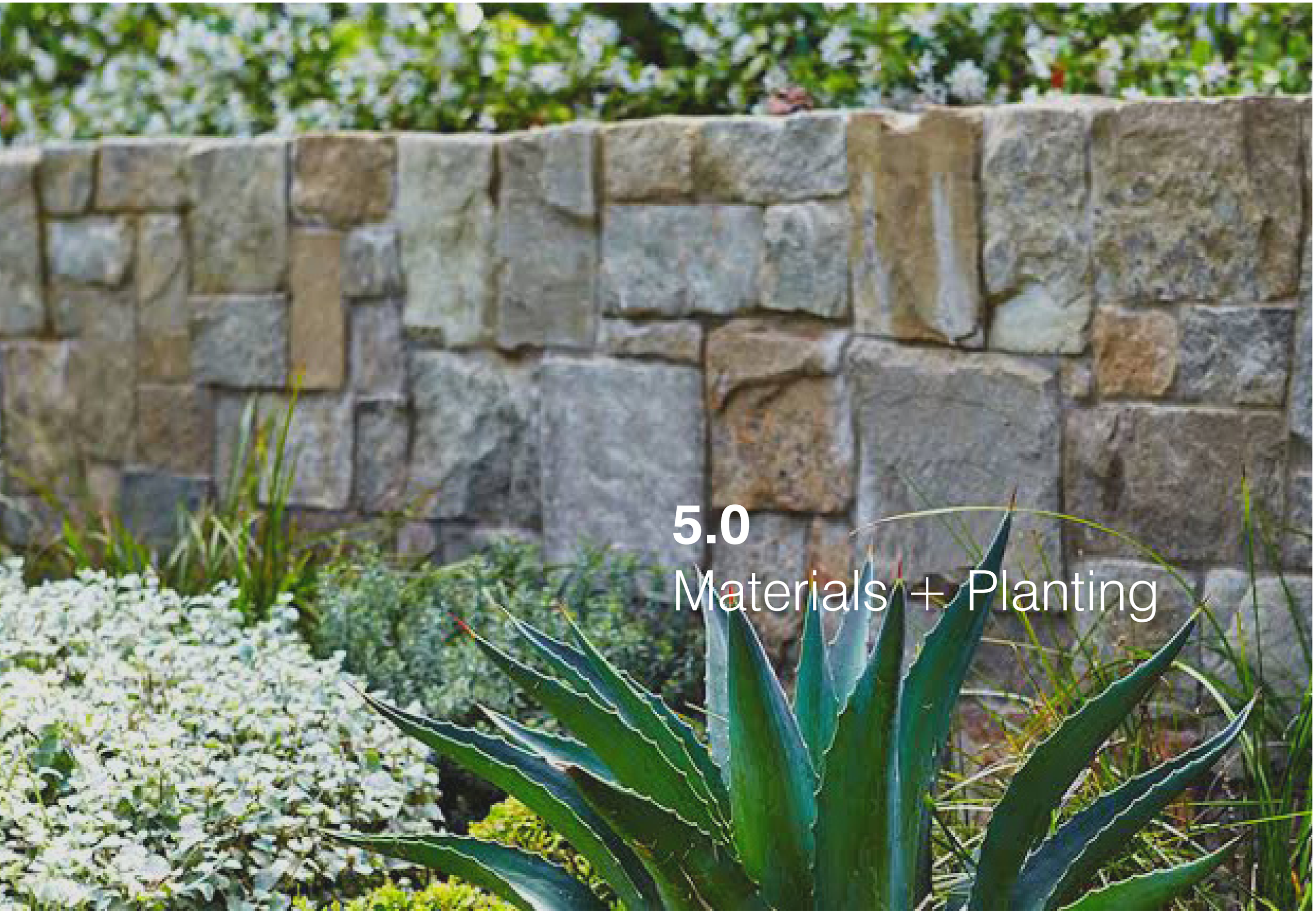
1. Existing Hoop Pine (T62) to be protected and retained
2. Existing Coastal Myall (T62) to be retained and protected
3. Osbourn Rd Entrance parking
4. Gravel garden path through garden bed
5. Existing fence
6. Existing Mass Planting

# 4.3 Section 2 - Pennant Hills Rd Interface




**Legend**

1. Existing B;ackbutt (T41) to be protected and retained
2. Existing Swamp Oak (T48) to be retained and protected
3. Site Through-link Driveway
4. Retaining walk to be sensitive of T40 root zone
5. Upgraded planting
6. Existing Pennant Hills Overpass



# 5.0
# Materials + Planting

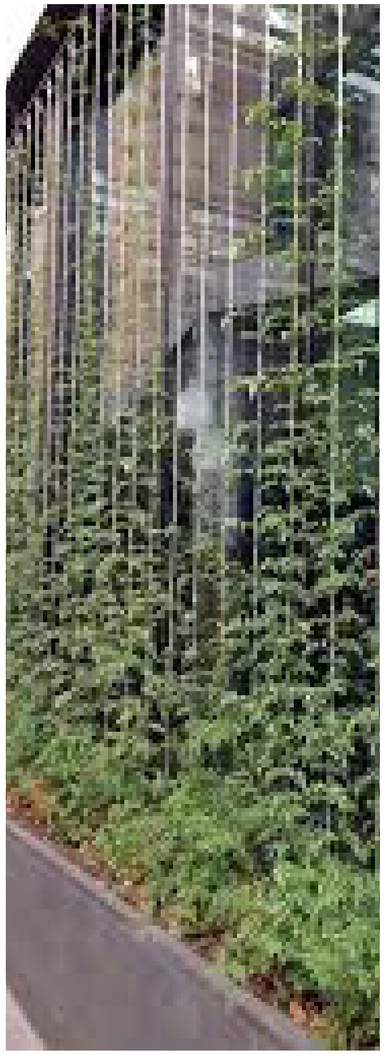
## 5.1 Indicative Material Palette

**Sandstone Block Seating Wall**

Basketball court bleachers

**Sandstone Retaining Wall**

Terraced planting beds



**Steel trellis cables**

Car park planting

**Recycled Hardwood Timber Decking**

Basketball court bleachers around trees

**Recycled Brick Paving**

Pedestrian pathways

**Permeable Paving**

Site through-link Driveway

**Brick Paving and Sandstone Edging**

Ceremonial pathway

# 5.2 Indicative Planting Palette

| Image | Botanic Name | Common Name | Height x Width | Pot Size |
|---|---|---|---|---|
| **TREES** | | | | |
| 01 | *Angophora costata* | Sydney Red Gum | 25 x 10m | 400L |
| 02 | *Hymenosporum flavum* | Native Frangipani | 8 x 4m | 100L |
| 03 | *Caesalpinia ferrea* | Leopard Tree | 10 x 5m | 100L |
| 04 | *Eleocarpus reticulatus* | Blueberry Ash | 7 x 5m | 100L |
| **SHRUBS + GROUNDCOVERS** | | | | |
| 05 | *Hibbertia scandens* | Snake Vine | 0.3 x 1m | 150mm |
| 06 | *Grevillea 'Ivanhoe* | *Grevillea 'Ivanhoe* | 1.2 x 1.5m | 300mm |
| 07 | *Clivia miniata* | Kaffir Lily | 1 x 1m | 150mm |
| 08 | *Philodendron 'Xanadu'* | Philodenron cultivar | 1 x 1m | 150mm |
| 09 | *Lomandra 'Tanika'* | Lomandra cultivar | 0.5 x 0.5m | 150mm |
| 10 | *Dietes grandiflora* | Fortnight Lily | 0.5 x 0.5m | 150mm |
| 11 | *Trachelospermum jasminoides 'Tricolor'* | Star Jasmine | 6-8m x6-8m | 150mm |
| 12 | *Pennisetum alopecuroides* | Fountain Grass | 0.5 x 0.5m | 150mm |
| | *Senecio mandraliscae* | Blue Chalksticks | 0.2m x 0.6-1m | 150mm |
| | *Myoporum parvifolium* | Creeping Boobialla | 0.5m x4m | 150mm |
| | *Callistemon 'Little John'* | Callistemon | 1.2 x 1.5m | 300mm |
| | *Breynia Ironstone Range* | Coffee Bush | 1.5 x 2m | 300mm |
| | *Liriope muscari* | Lily Turf | 0.4 x 0.4m | 150mm |
| | *Lavandula dentata* | French Lavender | 0.5 x 0.5m | 150mm |
| | *Rhoeo discolor* | Moses in the Cradle | 0.3 x 0.8m | 150mm |
| | *Helicrysum petiolare* | Liquorice Plant | 0.4 x 0.4m | 150mm |
| | *Phormium cookianum 'tricolor'* | Flax | 1.0 x 1.0m | 300mm |

IRRIGATION:
A COMMERCIAL GRADE AUTOMATED IRRIGATION SYSTEM SERVICING ALL COMMON PLANTING AREAS WILL BE REQUIRED. THIS INCLUDES GROUND FLOOR AND ALL ROOF TERRACES, AND ALL PLANTED AREAS SUCH AS LAWN, PLANTERS (AT GRADE), RAISED PLANTERS AND TREES IN THE PRIVATE DOMAIN.
DRIP IRRIGATION SHALL BE USED FOR ALL TREES & PLANTING, WHEREAS AS ALL LAWN AREAS WILL BE IRRIGATED WITH POP-UP SPRINKLERS.

*Angophora costata*

*Hymenosporum flavum*

*Caesalpinia ferrea*

*Eleocarpus reticulatus*

*Hibbertia scandens*

*Grevillea 'Ivanhoe'*

*Clivia miniata*

*Philodendron 'Xanadu'*

*Lomandra 'Tanika'*

*Dietes grandiflora*

*Trachelospermum jasminoides 'Tricolor'*

*Pennisetum alopecuroides*

# ADDENDUM

## LEGEND

- EXTENT OF WORKS
- PV01 — PAVEMENT TYPE 01 BRICK PAVER
- PV02 — PAVEMENT TYPE 02 PERMEABLE PAVER
- PV03 — PAVEMENT TYPE 03 INSITU CONCRETE PAVING
- PV04 — PAVEMENT TYPE 04 GRAVEL PAVING
- PV05 — PAVEMENT TYPE 03 ASPHALT
- PV06 — PAVEMENT TYPE 06 ELEVATED WALKWAY TBC
- WA01 — WALL TYPE 01 SANDSTONE RETAINING WALL
- WA02 — WALL TYPE 02 CONCRETE EDGE WALL
- FN01 — FURNITURE TYPE 01 SANDSTONE LOG BENCH
- FN02 — FURNITURE TYPE 02 CONCRETE BENCH
- FN03 — FURNITURE TYPE 03 DIGITAL SIGNAGE
- FE01 — FENCE TYPE 01 EXISTING FENCE
- SS01 — SHADE SHELTER TYPE 01 STEEL WITH CLIMBING PLANTS
- SS02 — SHADE SHELTER TYPE 02 STEEL WITHOUT CLIMBING PLANTS
- ST01 — STAIRS TYPE 01 CONCRETE STAIRS
- ST01 — STAIRS TYPE 02 ELEVATED STAIRS
- TA01 — TACTILE SURFACE INDICATORS
- HR01 — HANDRAIL TYPE 01 STAINLESS STEEL HANDRAIL
- EXISTING TREES TO BE REMOVED
- EXISTING TREES TO BE RETAINED AND PROTECTED
- TP01 — PROPOSED TREE PLANTING
- TF01 — TURF TYPE 01 IRRIGATED LAWN
- MP01 — PLANTING TYPE 01 EXISTING PLANTED TO BE RETAINED AND UPGRADED
- MP02 — PLANTING TYPE 02 NEW MASS PLANTING

## NOTES

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KEY PLAN

| ISSUE | DATE | AMENDMENT | DRN | APRVD |
|---|---|---|---|---|
| A | 17.12.20 | SSDA SUBMISSION | HL | AK |

O C U L U S
level 1 / 5 wilson street, p.o. box 307, newtown, nsw 2042
p 02.9557.5533 australia@oculus.info
SYDNEY MELBOURNE WASHINGTON

PROJECT
**LORETO NORMANHURST**

CLIENT
**LORETO NORMANHURST**
**91-93 Pennant Hills Rd, Normanhurst NSW 2076**

ARCHITECT
**ALLEN JACK + COTTIER ARCHITECT**
**79 MYRTLE ST, CHIPPENDALE NSW 2008**

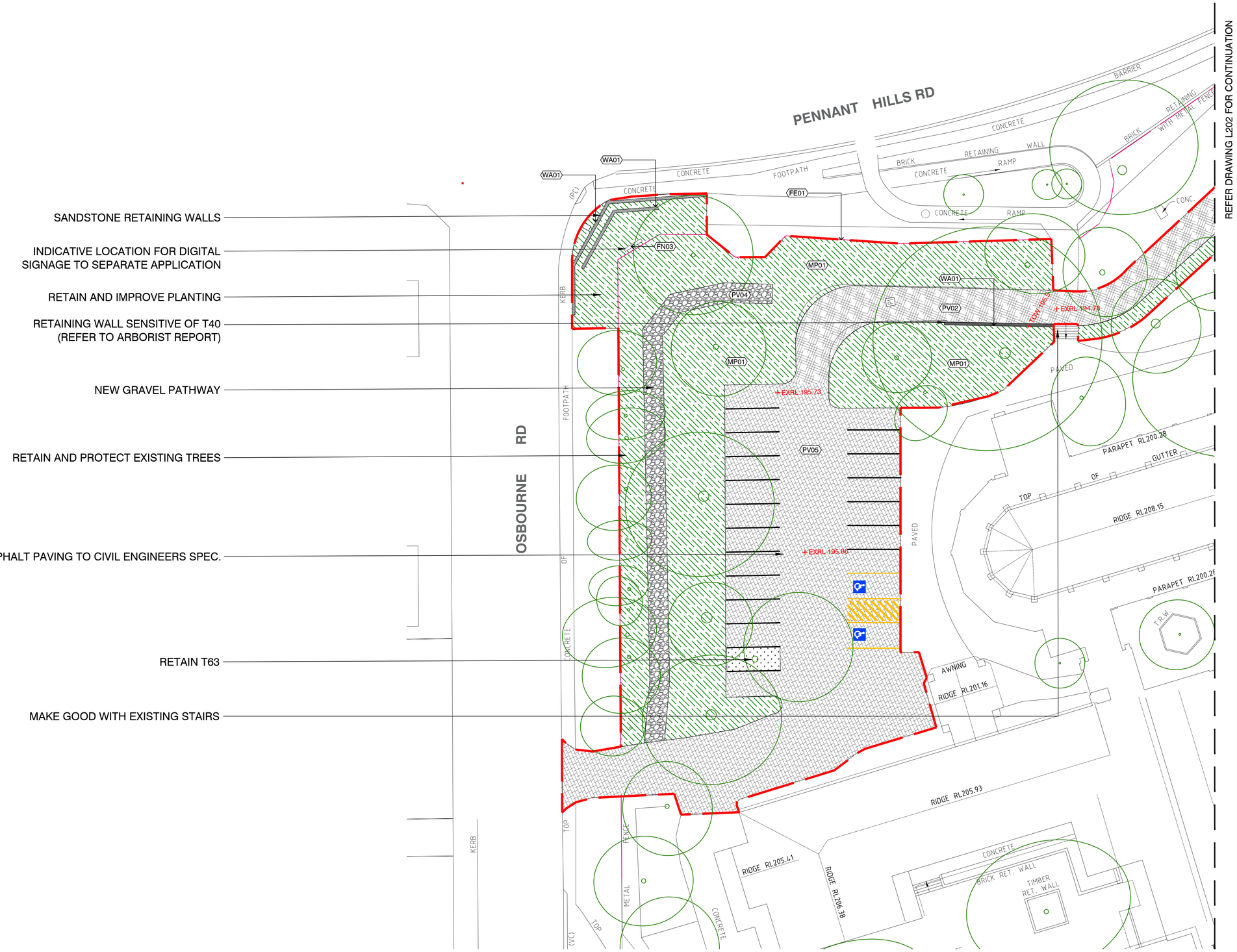
STATUS
**SSDA**
DEVELOPMENT APPLICATION

DRAWING SCALE
SCALE 1:1000 @ A1
10 0 10 20 50m

NORTH POINT

DRAWING
**GROUND FLOOR SITE PLAN**

PROJECT № **S18-031**
SHEET SIZE **A1**
DRAWING № **L200**
ISSUE **A**




## LEGEND

| | |
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| PV01 | PAVEMENT TYPE 01 BRICK PAVER |
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| FE01 | FENCE TYPE 01 EXISTING FENCE |
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| ST01 | STAIRS TYPE 01 CONCRETE STAIRS |
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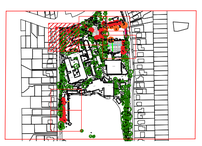

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STATUS
**SSDA**
DEVELOPMENT APPLICATION

DRAWING SCALE
SCALE 1:200 @ A1
2 0 2 4 10m

NORTH POINT

DRAWING
**GROUND FLOOR SITE PLAN**

PROJECT № **S18-031**
SHEET SIZE **A1**
DRAWING № **L201**
ISSUE **A**

NATIVE PLANTING WITH EXISTING HEDGE

SEATING EDGE

TURF

1:20 ACCESSIBLE ELEVATED WALKWAY

RETAIN EXISTING TREES

PUDO SHELTERS x 2

THROUGH SITE LINK

1:20 ACCESSIBLE ELEVATED WALKWAY (REFER TO ARBORIST REPORT FOR CONSTRUCTION DETAILS)

RETAIN EXISTING TREES

PLANTER WITH SEAT

STAIRS WITH STEEL FRAME AND DECK SENSITIVE TO TREE ROOTS

UPDATED PLANTING WITH EXISTING KERB AND SANDSTONE WALL RETAINED

MAIN PEDESTRIAN ENTRANCE UPDATED PAVING

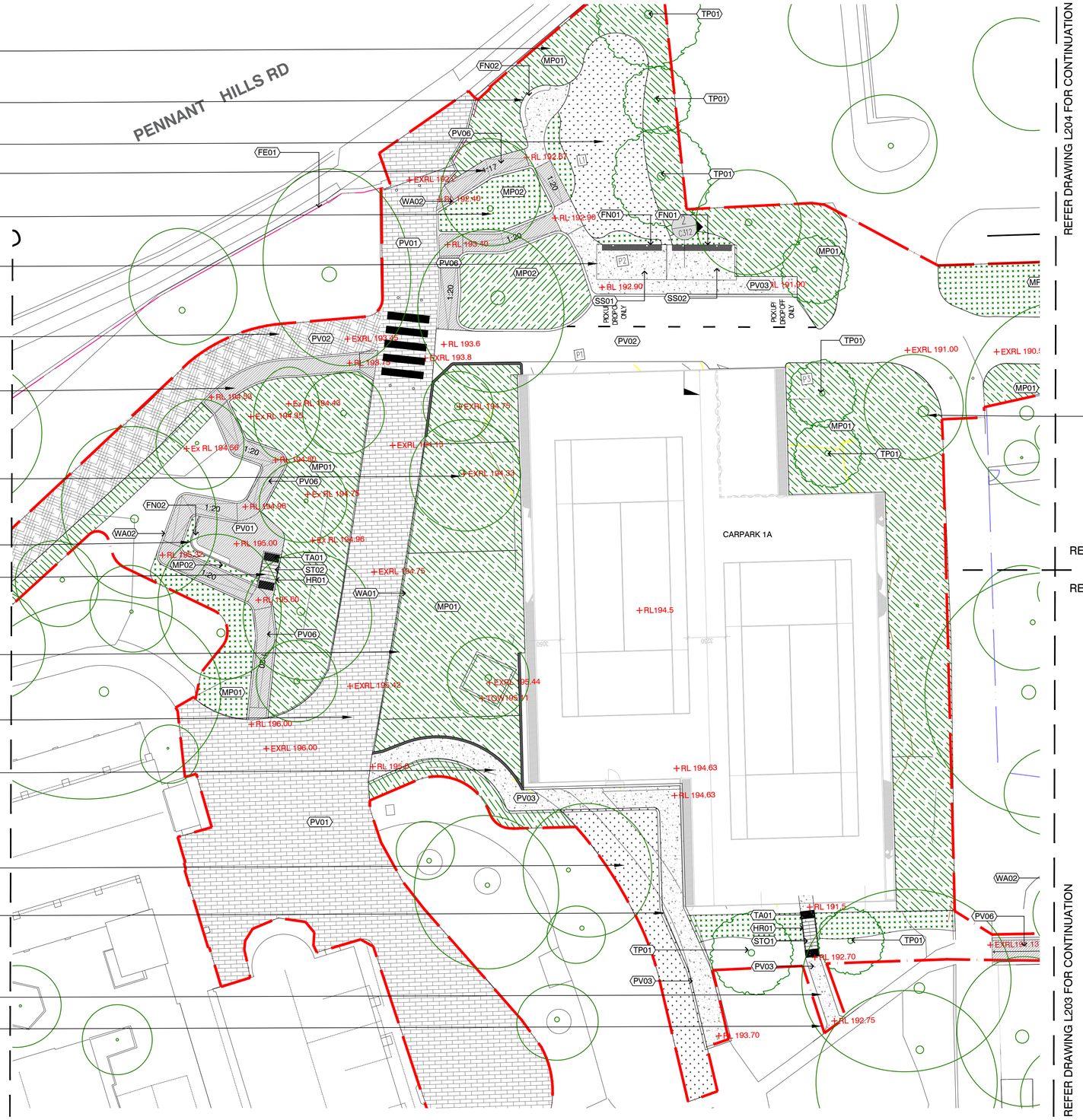
TENNIS COURT ACCESS FOLLOWING EXISTING PATH LAYOUT

MAKE GOOD WITH EXISTING LAWN

CONNECTING PATH

P1A ACCESS PATH

MAKE GOOD WITH EXISTING PATH

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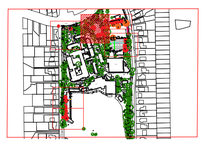

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DRAWING SCALE
SCALE 1:200 @ A1
2 0 2 4 10m

NORTH POINT

DRAWING
**GROUND FLOOR SITE PLAN**

PROJECT № **S18-031**
SHEET SIZE **A1**
DRAWING № **L202**
ISSUE **A**

REFER DRAWING L202 FOR CONTINUATION

REFER DRAWING L204 FOR CONTINUATION

ELC ROOF ACCESS FOR MAINTENANCE ONLY WITH LOCKABLE GATE

RAMPED AND STEPPED ACCESS PATH FROM CAR PARK BELOW

EXISTING WALLS RETAINED

EXISTING TREES TO BE RETAINED AND PROTECTED

EXISTING BLEACHERS RETAINED

NEW TIMBER BLEACHERS RE-USING TIMBER FROM EXISTING BLEACHERS TO BE REMOVED AS PART OF WORKS.

RE-SURFACING OF EXISTING COMPLIANT EQUAL ACCESS PATH

PATH LINK FROM LIFT TO EXISTING PATHWAY AT SAME LEVEL

NEW PLANTING TO MAKE GOOD WITH EXISTING PATH

LIFT AND STAIR ACCESS FROM CAR PARK BELOW WITH LIFT STOP AT TENNIS COURT LEVEL

TERRACED PLANTER TO REDUCE WALL HEIGHT TO ELC INTERFACE

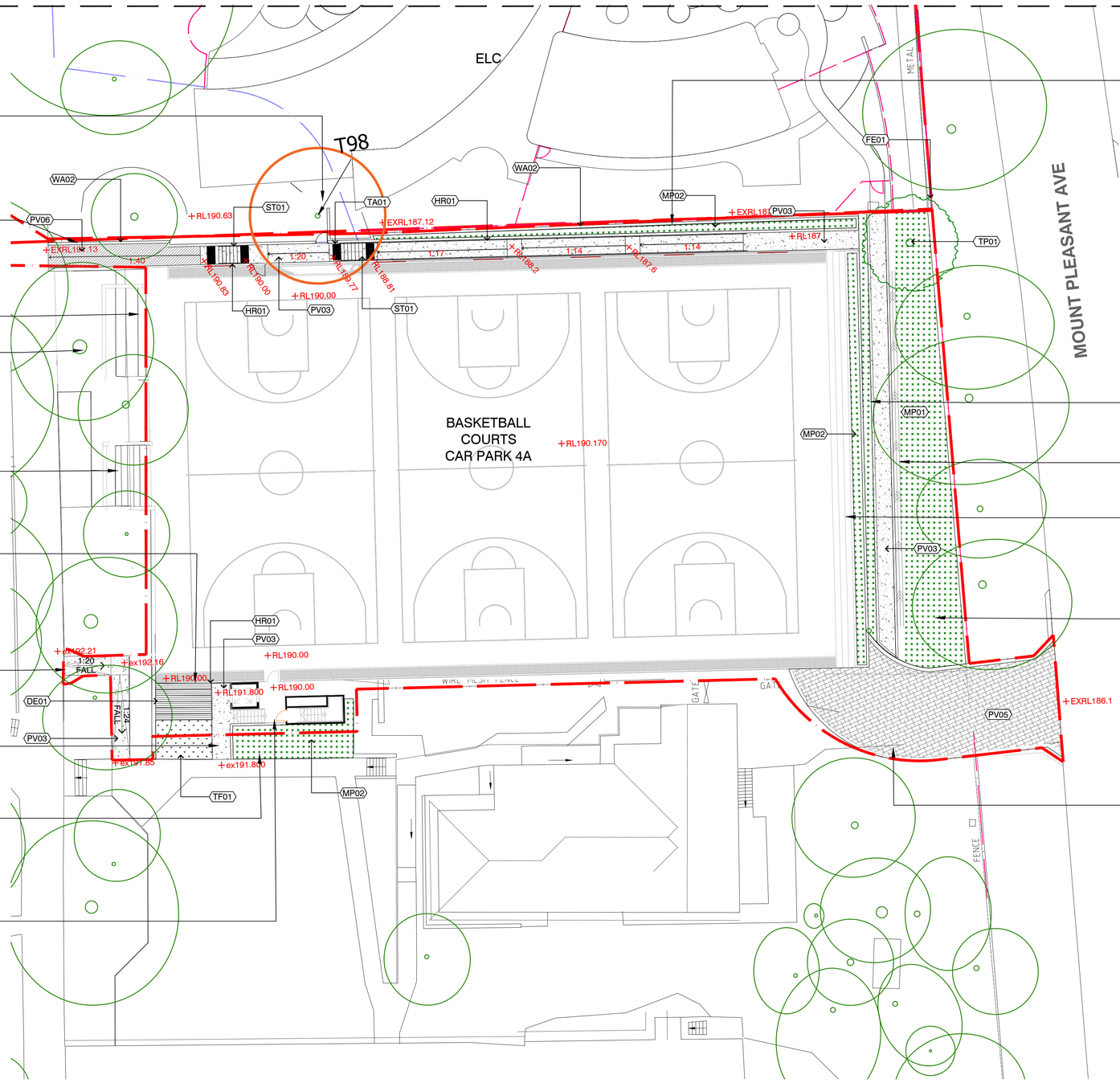
MAINTENANCE PATH

SWALE TO CIVIL ENGINEERS SPECIFICATION

TIERED SEATING WITH PLANTING

RETAIN TREES AND UPGRADE PLANTING

CAR PARK 4A DRIVEWAY ENTRANCE

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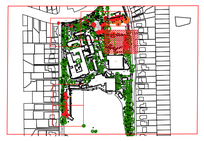

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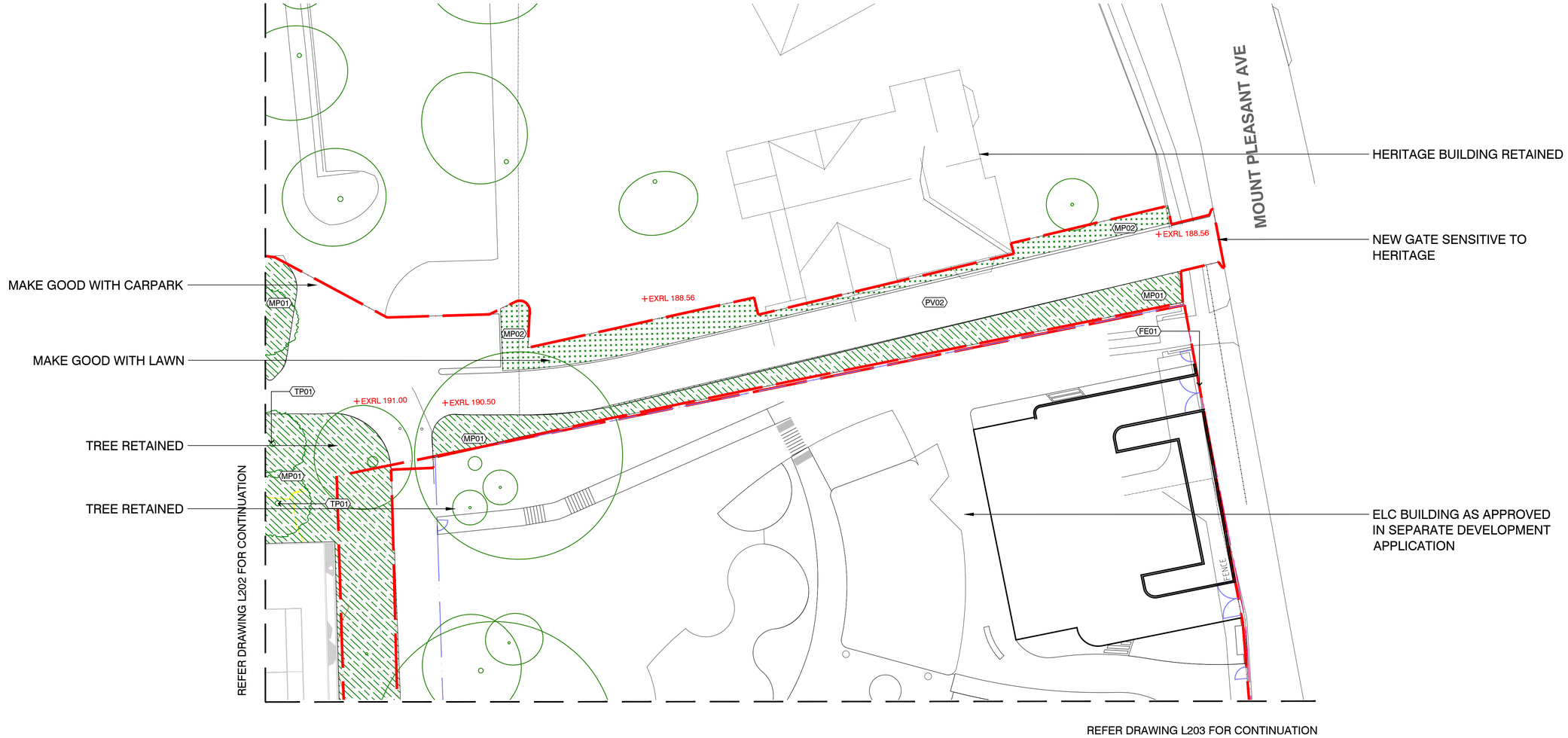
STATUS
**SSDA**
DEVELOPMENT APPLICATION

DRAWING SCALE
SCALE 1:200 @ A1
2 0 2 4 10m

NORTH POINT

DRAWING
**GROUND FLOOR SITE PLAN**

PROJECT № **S18-031**
SHEET SIZE **A1**
DRAWING № **L203**
ISSUE **A**




## LEGEND

- EXTENT OF WORKS
- PV01 PAVEMENT TYPE 01 BRICK PAVER
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**GROUND FLOOR SITE PLAN**

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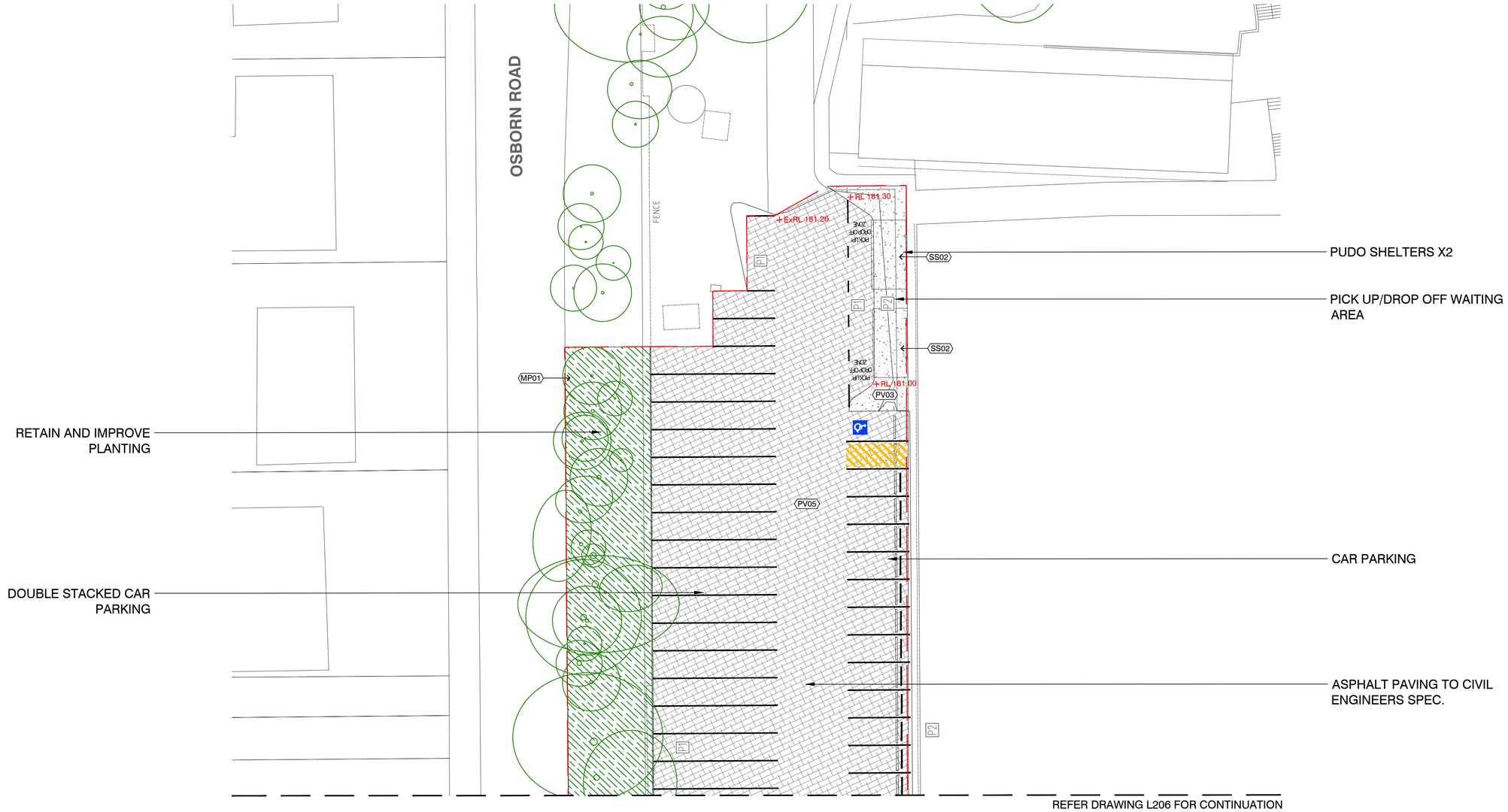
SHEET SIZE **A1**
DRAWING № **L204**
ISSUE **B**

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SHEET SIZE **A1**
DRAWING № **L205**
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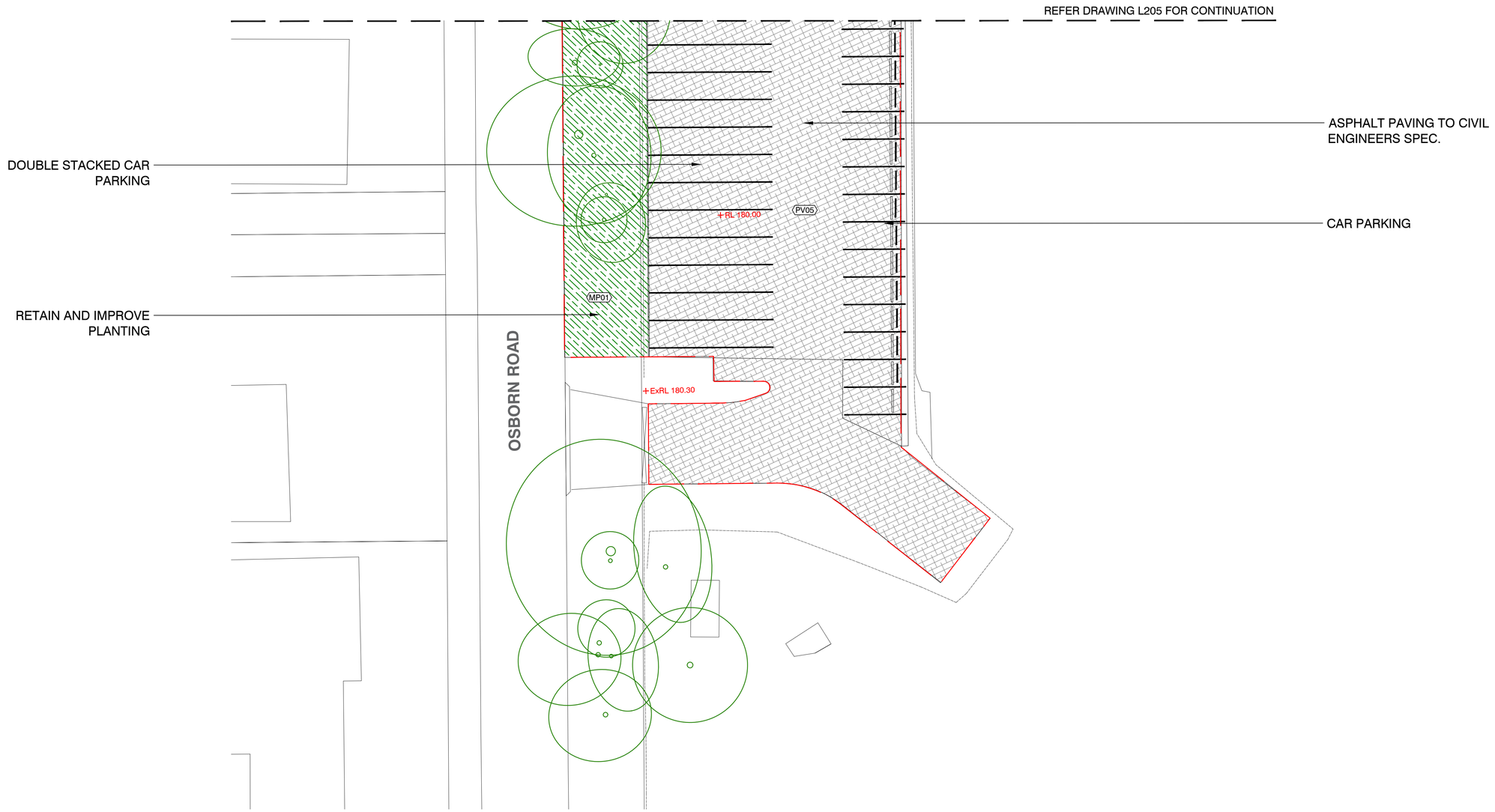


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CLIENT
**LORETO NORMANHURST**
**91-93 Pennant Hills Rd, Normanhurst NSW 2076**

ARCHITECT
**ALLEN JACK + COTTIER ARCHITECT**
**79 MYRTLE ST, CHIPPENDALE NSW 2008**

STATUS
**SSDA**
DEVELOPMENT APPLICATION

DRAWING SCALE
SCALE 1:200 @ A1
2 0 2 4 10m

NORTH POINT

DRAWING
**GROUND FLOOR SITE PLAN**

PROJECT № **S18-031**
SHEET SIZE **A1**
DRAWING № **L206**
ISSUE **A**