

# Macaulay Park

## 218-246 Macaulay Road, North Melbourne

Landscape Concept Report

321.0875.00.L01.RP01

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# Quality Assurance

Project Number  
321.0875.00.L01

Revision (see below)  
02

Prepared By  
DH

Reviewed By  
MC

Project Principal  
JF

Issued  
22nd March 2023

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## Revisions

Rev	Issued	Details	Prepared By	Reviewed By	Project Principal
00	09th March 2023	Draft	DH	MC	JF
01	22nd March 2023	Town Planning Issue	DH	MC	JF
02	31st March 2023	Town Planning Issue	DH	MC	JF

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# 1 Context & Site Analysis

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### 1.1 Context & Locality

The site is located on the traditional lands of the Wurundjeri Woi Wurrung near what is now known as Moonee Ponds Creek. According to the Macaulay Structure Plan, "The chain of ponds was a travel route as well as a source of water, food and medicine for the Aboriginal peoples of the Kulin Nation. Plants that formerly grew in the area included a variety of river reeds and grasses which were used for making baskets, nets and fish traps, and the Yam Daisy, which was a staple food source."

After the mid 19th century, the area developed as an industrial precinct.

Less than 3 km from the Melbourne CBD and positioned within the Macaulay precinct, the development site is well connected to public transport, open space and various retail and commercial offerings. Local amenities include Clayton Reserve Dog Park, Arden Street Oval, North Melbourne Pool, Boundary Road Reserve and Moonee Ponds Creek and its Capital City Trail that connects cyclists and walkers/joggers to the CBD and inner northern, eastern and southern suburbs of Melbourne.

Located within the Macaulay urban renewal area and close to the Arden precinct, the neighbourhood is likely to see rapid change in the near future. The neighbourhood is already seeing change from nearby developments and the establishment of venues more suited to a contemporary mixed use/residential neighbourhood including local restaurants and eateries.

The area has a history of flooding with storm water runoff from upstream into Moonee Ponds Creek.



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1. Moonee Ponds Creek and Capital City Trail
2. Clayton Reserve Dog Park
3. Arden Gardens Shopping Centre
4. Arden Street Oval
5. Macaulay Train Station
6. North Melbourne Pool



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## 1.2 Site Analysis

As a corner site, it is highly visible particularly from the tree-lined Macaulay Road to the south-east which frames views to the development site.

Macaulay Road to the south is a busy road that connects the site to various amenities including the train station, Moonee Ponds Creek and open space to the south-east. Although the road is a treed avenue with median to the south-east of the site, the section of road directly adjacent to the site has poor quality, sparse street trees. The Macaulay Structure Plan nominated this section of Macaulay Road for a redesign under the Urban Forest Strategy.

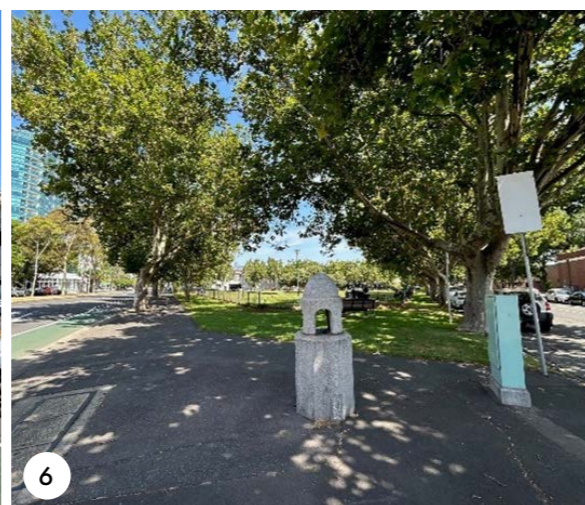
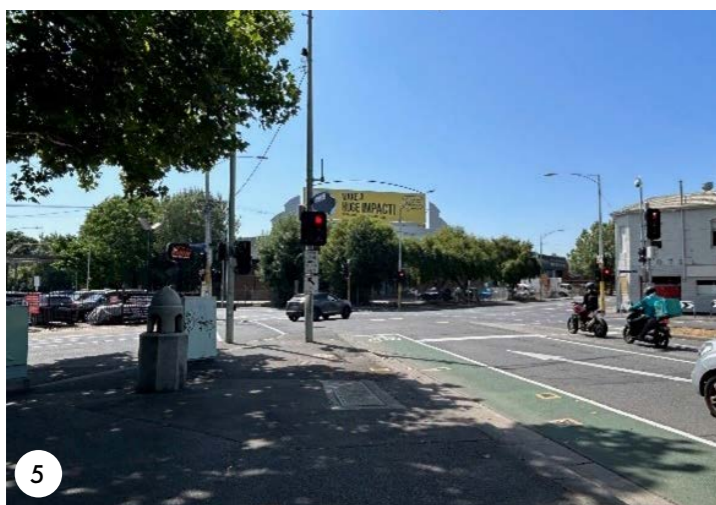
Boundary Road to the east of site includes mature Plane trees planted within the footpath. Only one street tree is located adjacent to the site with most trees on the other side of the road. Boundary Road is a busy road with relatively low pedestrian comfort due to narrow footpaths and insufficient canopy cover. Boundary Road is nominated for a pedestrian oriented street design in the Macaulay Structure Plan.

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1. Boundary Road
2. Macaulay Road
3. Macaulay Road
4. Macaulay Train Station
5. Macaulay & Boundary Road Intersection
6. Green space and avenue to the south-east



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## 2 Landscape Response

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### 2.1 Landscape Vision

#### *Macaulay Park - Welcoming and Connected*

Located between extensive opens space, tree-lined boulevards and Moonee Ponds Creek, the development will be a welcoming address, reflecting the local landscape character.

Generous planting to the ground plane and integrated into the built form will provide an enhanced environment benefiting the local ecology, residents and the wider community.

The landscape design aims to:

- Increase the locality's unique biodiversity with an emphasis on native vegetation associated with Moonee Ponds Creek.
- Provide an environment that contributes to the health and well-being of its human inhabitants
- Visually integrate the built form into this high profile 'gateway' location
- Provide opportunities for recreation, relaxation and social interaction for the residents and the wider community
- Provide references to Moonee Ponds Creek through planting, materials, art and water sensitive urban design to reflect the pre-European character of the creek as a chain of ponds.

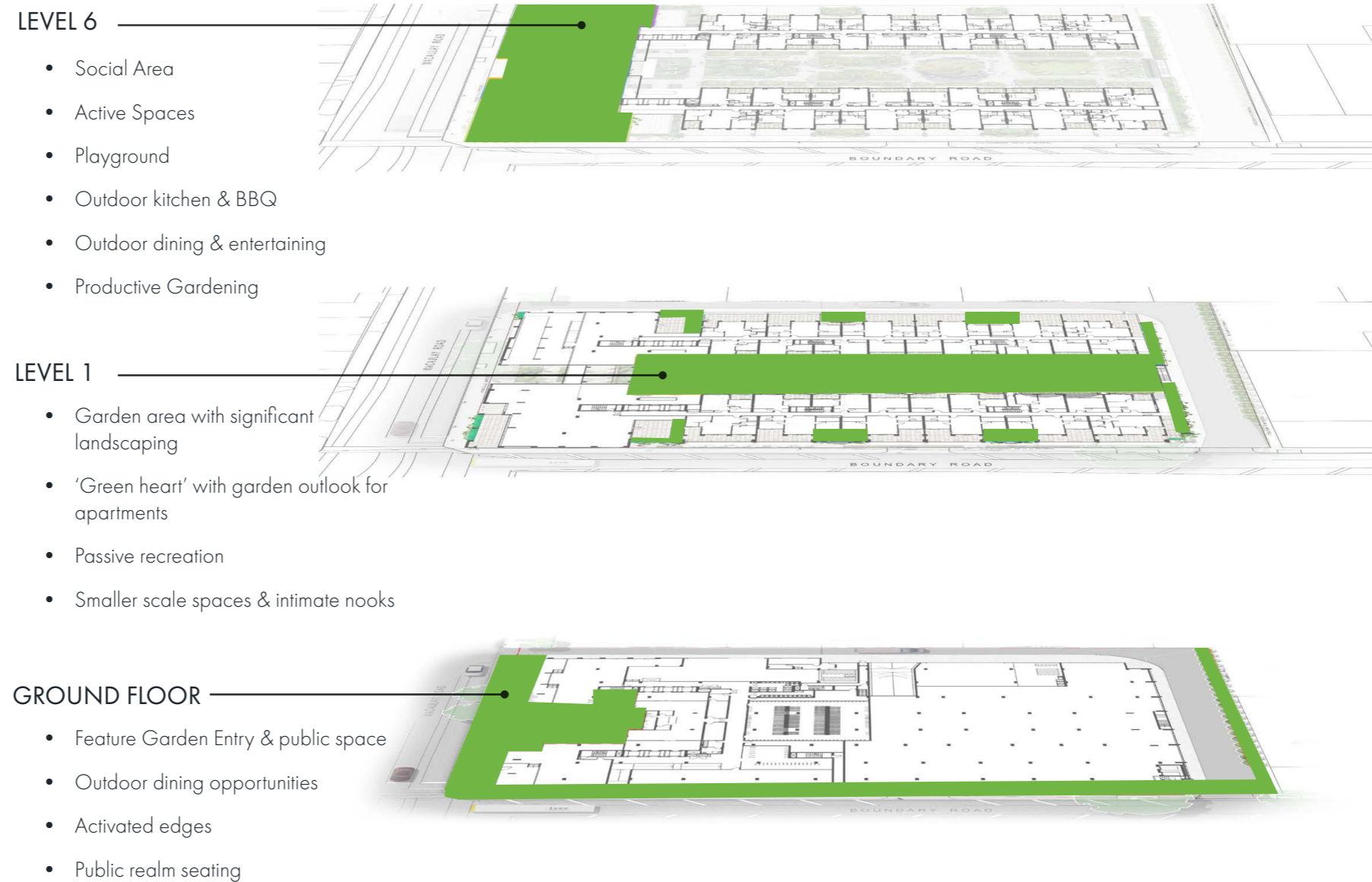


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## 2.2 Landscape Areas



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# Ground Floor

The Ground Floor features a lush and green entrance on the Macaulay Road frontage, welcoming residents and offering a publicly accessible garden space. The green entry includes mounded garden beds that will support lush shade tolerant plants and ferns. The intimate layout allows for a variety of short term stay and gathering, through both formal and informal seating and areas for outdoor dining.

The streetscape interfaces to Macaulay and Boundary road invite and support all abilities access and work seamlessly with the public realm seating and bike hoops and areas for outdoor dining for the adjacent commercial tenancies. The supermarket 'corner' includes terraced steps to maximise permeability and provide informal seating opportunities under the existing plane tree.

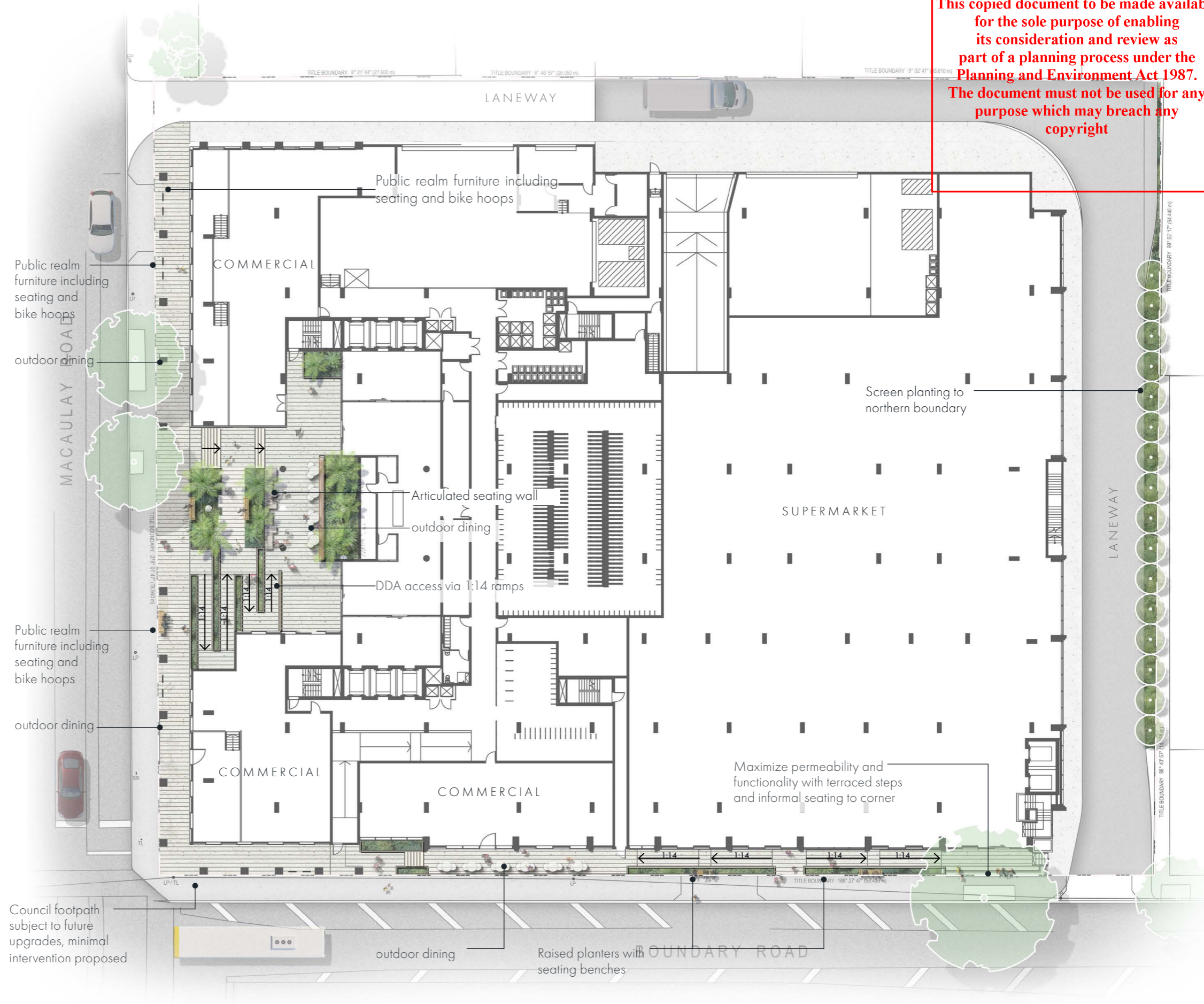
The northern laneway includes a strip of screen planting, that will provide additional greening to the development.



## LEGEND

-  Existing trees to be retained
-  Shade tolerant plants and ferns
-  Screen planting
-  Garden beds
-  Seating Benches
-  Paving

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# Level 1

The Level 1 landscape will provide a green heart to the building. An abundance of planting including trees, shrubs, groundcovers and vines will create a lush garden environment, support multiple outdoor seating areas and provide a cool retreat in the warmer months.







Large planted areas are supported by recessed slabs, providing deep soil areas for several trees including a BADS type B medium tree that sits at the centre of the terrace.

A flush natural lawn takes advantage of the northern aspect and provides a relaxed space for passive recreation.

Several facade planters provide greening to each elevation of the building, with larger planters including small trees.

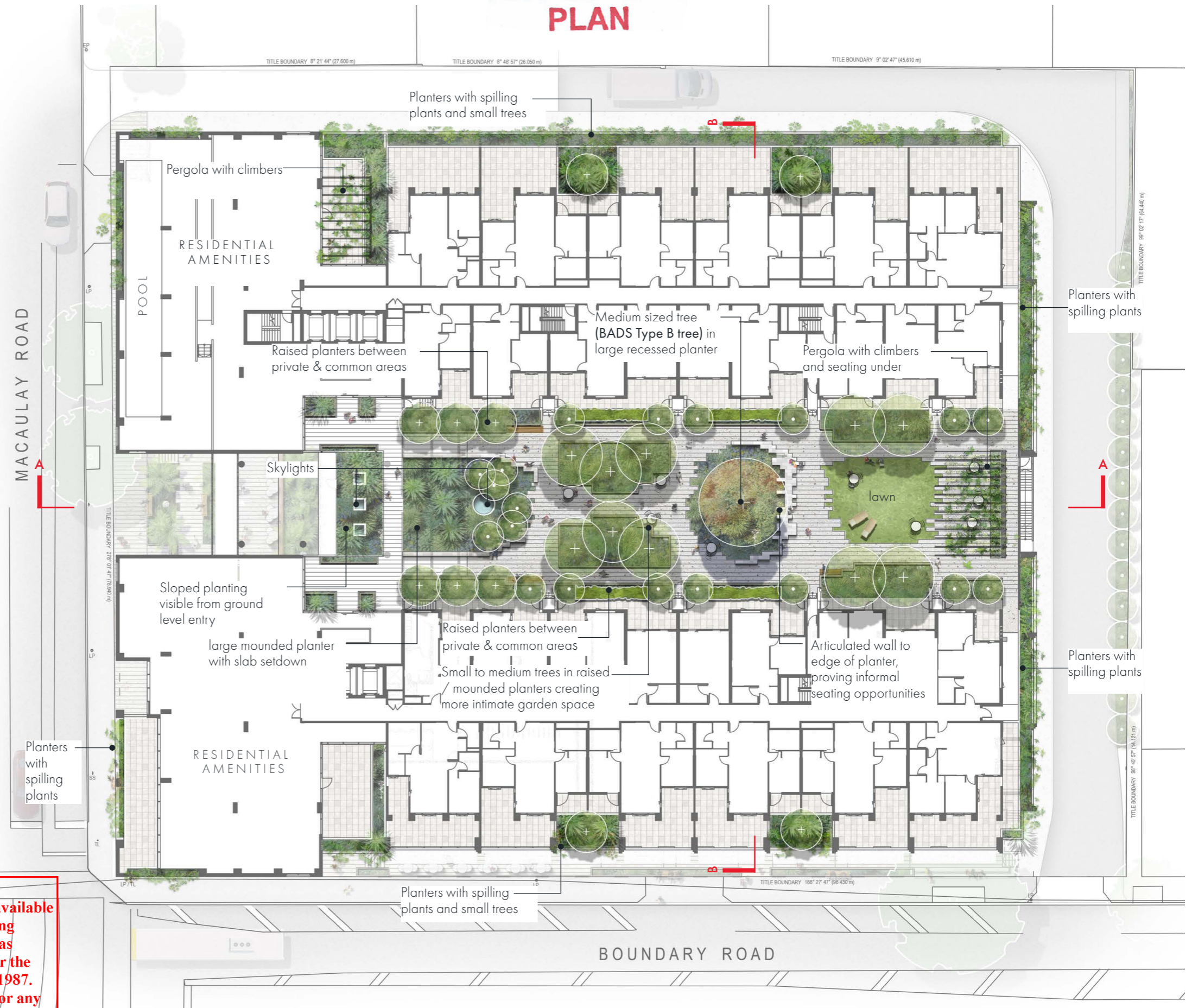


## LEGEND

-  Medium sized tree (BADS Type B)
-  Small trees
-  Screening shrubs
-  Garden beds
-  Paving
-  Seating benches

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Landscape Concept Plan - Level 1	218-246 Macaulay Road North Melbourne	0321-0875-00-L-01 DR01	00	09.03.2023	MC	MC	JF	1:400 (A3)



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## Level 6

This large communal space provides a variety of activities and uses for the residents of the development.




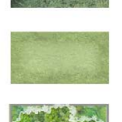
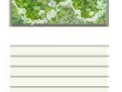




Centrally located is the outdoor kitchen offering rooftop dining opportunities, either under the filtered trellis cover or on the sunny natural lawns.

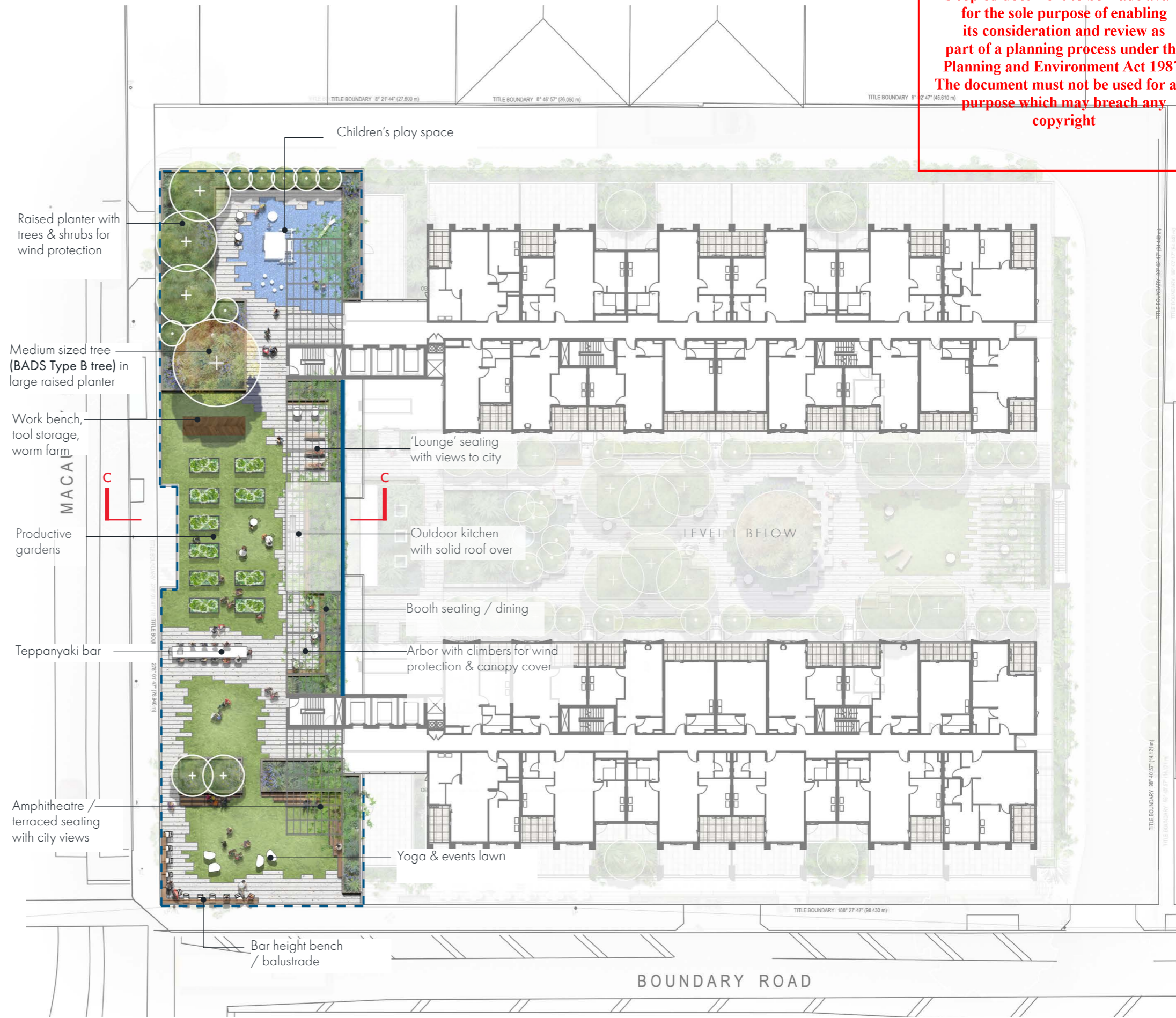
A playground will provide all ages play with both fixed and natural play elements; and the generous play area will ensure suitability for a range of play and activities.

The productive gardens will provide occasions for the local community to get hands on into organic food production.



### LEGEND

-  Medium sized tree (BADS Type B)
-  Small tree
-  Screening shrubs
-  Garden beds
-  Artificial turf
-  Raised Productive Gardens
-  Paving
-  Balustrade (by architects)
-  Glass wind protection screen (by architects)



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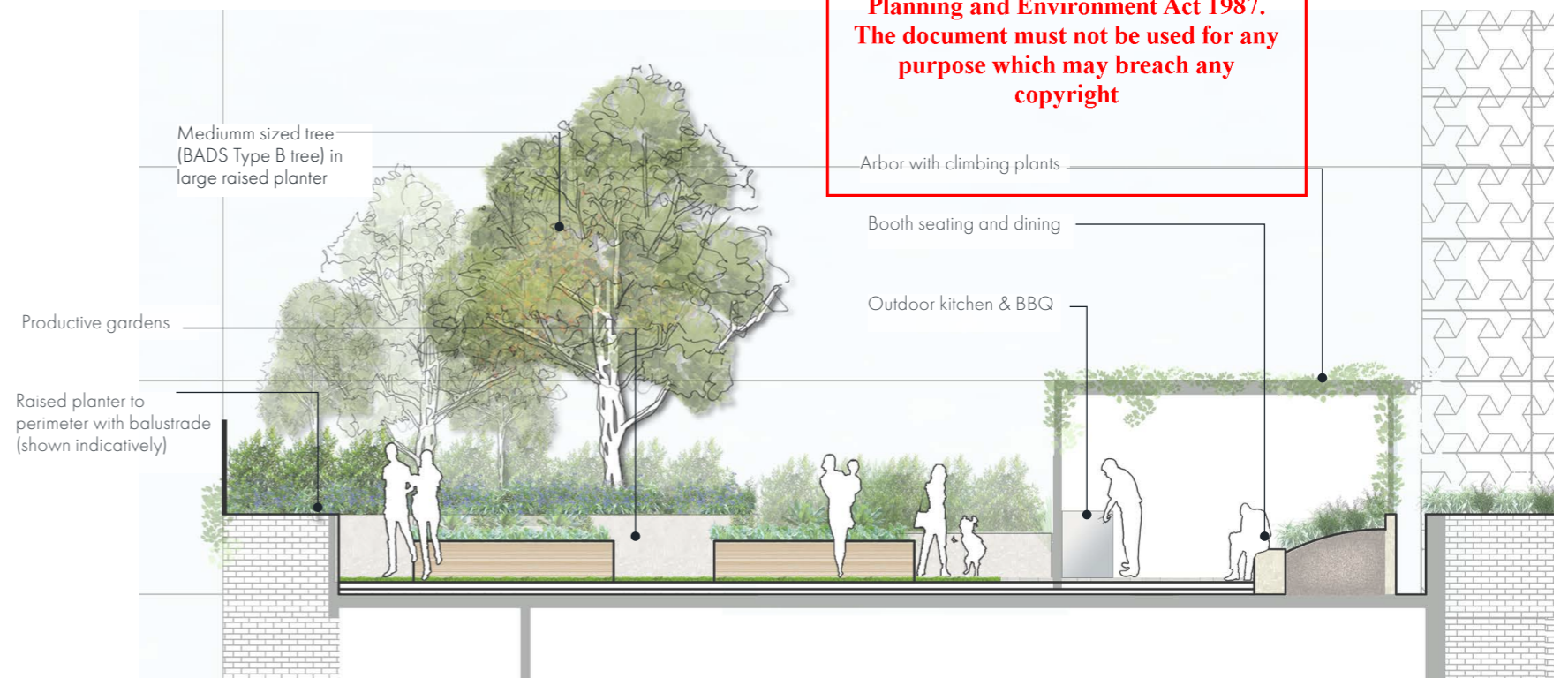
SECTION A - NORTH-SOUTH LONGITUDINAL SECTION  
SCALE 1:250 (A3)



SECTION B - LEVEL 1  
SCALE 1:100 (A3)

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SECTION C - LEVEL 6  
SCALE 1:100 (A3)

Drawing Title	Project Name	Drawing No.	Revision	Date	Drawn	Checked	Project Principal	Scale
Landscape Concept Plan - Level 1	218-246 Macaulay Road North Melbourne	0321-0875-00-L-01 DR01	00	09.03.2023	MC	MC	JF	VARIES

# 4 Planting Design

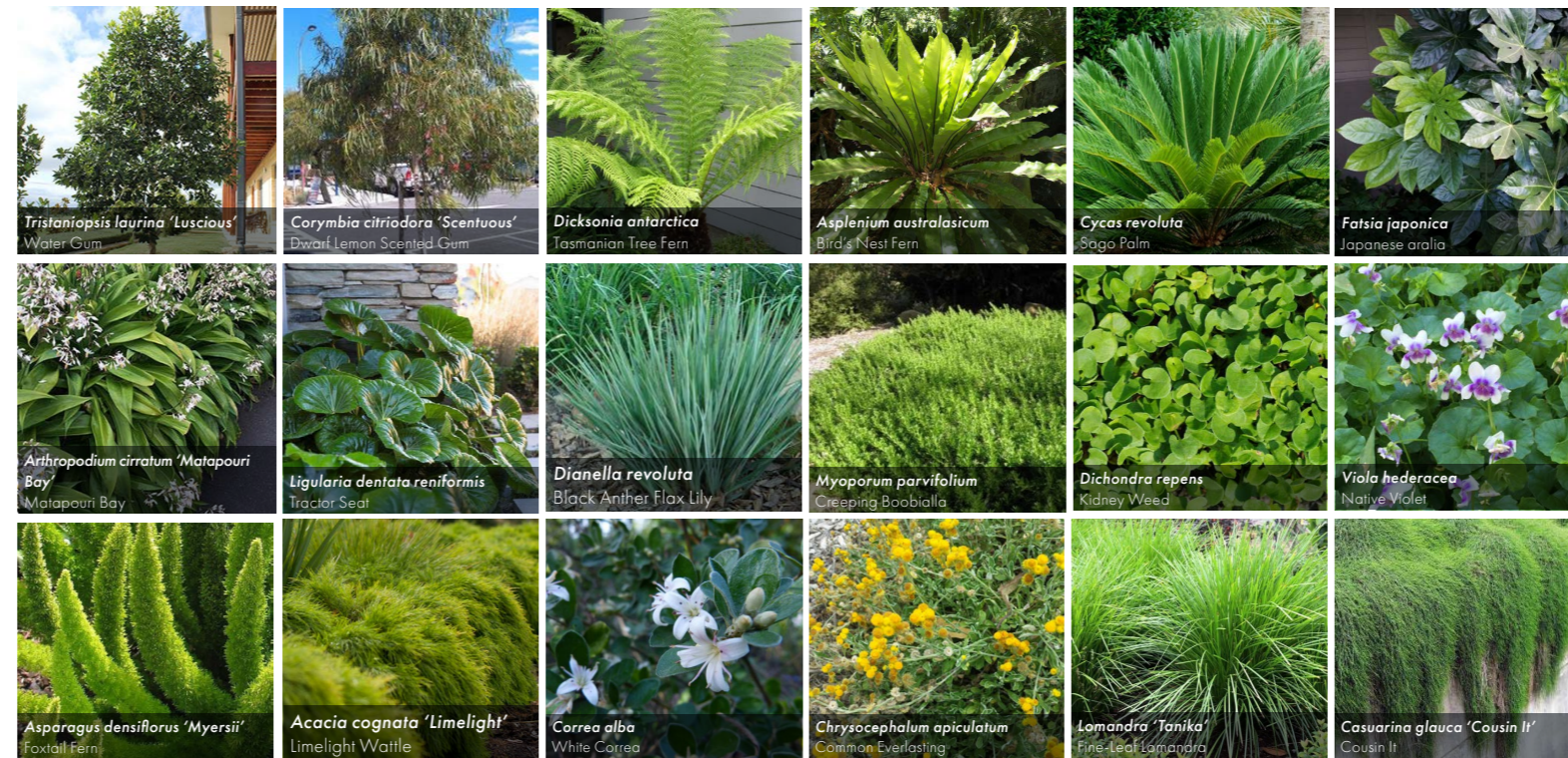
## 4.1 Design Intent

The planting concept consists of mostly native plants, creating a direct connection with the nearby Moonee Ponds Creek.

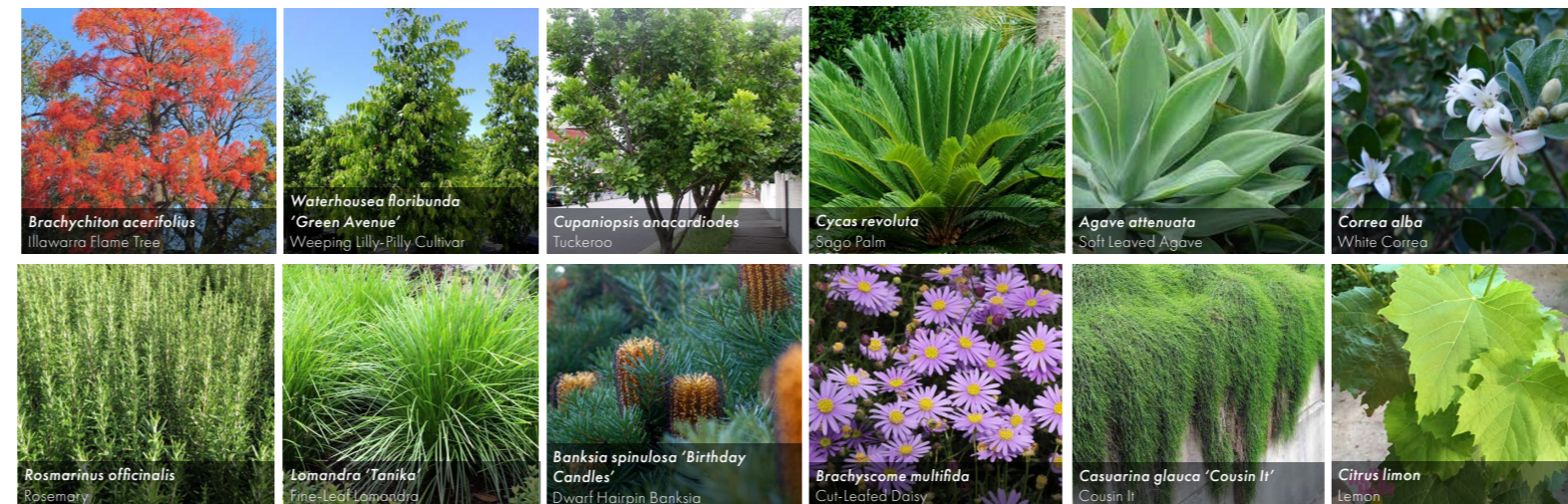
Level 1 & 6 will feature a large canopy tree on each terrace, while the raised planters will be filled with diverse range of shrubs and numerous small trees.

The green entry will comprise a lush, green aesthetic, using tree ferns and mix of shade tolerant shrubs and groundcovers to create a unique public realm experience.

### Ground Floor & Level 1



### Level 6



### Balcony / Cascading Plants



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## 4.2 Planting Schedule

Botanical Name	Common Name	Shade tolerance	Mature Size	Install Size	Origin *
<b>GROUND FLOOR</b>					
<b>TREES</b>					
<i>Allocasuarina littoralis</i>	Black Sheoak	Sun / light shade	10 x 5m	100L	V
<i>Tristaniaopsis laurina 'Luscious'</i>	Kanooka	Full sun / part shade	8 x 6m	100L	A
<i>Corymbia citridora 'Scentuous'</i>	Dwarf Scented Gum	Sun	7 x 5m	100L	A
<b>SHRUBS</b>					
<i>Bursaria spinosa ssp. Spinosa</i>	Sweet Bursaria	Sun / light shade	2 x 2m	200mm	V
<i>Correa glabra</i>	Rock Correa	Sun / part shade	1.5 x 3m	200mm	V
<i>Indigofera australis</i>	Austral Indigo	Sun / part shade	1.5 x 1.5m	200mm	V
<b>SHRUBS + GROUNDCOVERS</b>					
<i>Acacia cognata 'Limelight'</i>	River Wattle	Sun / light shade	1 x 1.2m	150mm	A
<i>Casuarina glauca 'Cousin It'</i>	Cousin It	Full sun	spreading/trailing	150mm	A
<i>Chrysocephalum apiculatum</i>	Common Everlasting	Sun	0.3 x 0.3m	150mm	V
<i>Correa alba</i>	White Correa	Sun/part shade	1 x 1.5m	200mm	V
<i>Craspedia paludicola</i>	Common Billy Buttons	Sun / light shade	0.2m x 0.3m	150mm	V
<i>Dianella revoluta</i>	Black Ansther Flax-Lily	Sun / part shade	0.8 x 1.5m	150mm	V
<i>Dianella tasmanica</i>	Tasman Flax-lily	Semi shade/full shade	0.6 x 0.5m	150mm	A
<i>Goodenia ovata</i>	Hop Goodenia	Semi shade	1 x 1m	200mm	V
<i>Lomandra tanika</i>	Matt Rush	Full sun	0.8m x 0.8m	150mm	A
<i>Myoporum parvifolium</i>	Creeping Boobialla	Full sun/part shade	spreading/trailing	150mm	V
<b>PLANTING TO ENTRY</b>					
<i>Alpinia caerulea</i>	Native Ginger	Light/full shade	2 x 1m	150mm	A
<i>Arthropodium cirratum</i>	Renga Renga Lily	Light/full shade	1 x 0.5m	150mm	E
<i>Asparagus densiflorus 'Myersii'</i>	Foxtail Fern	Light/full shade	0.6m x 1m	150mm	E
<i>Asplenium australasicum</i>	Birds Nest Fern	Part shade/ shade	1 x 1m	150mm	A
<i>Cycas revoluta</i>	Sago Palm	light / full shade	3.5 x 2m	200mm	E
<i>Clivia miniata</i>	Kaffir Lily	Light/full shade	0.5m x 0.5m	150mm	E
<i>Cyathea australis</i>	Rough Tree Fern	Light/Full Shade	5-15 x 5m	100L	V
<i>Dianella tasmanica</i>	Tasman Flax-lily	Semi shade/full shade	0.6 x 0.5m	150mm	A
<i>Dichondra repens</i>	Kidney Weed	light / full shade	Spreading to 1m	150mm	V
<i>Dicksonia antarctica</i>	Soft Tree Fern	Light/Half/Heavy Shade	1.5-15 x 2m	100L	V
<i>Fatsia japonica</i>	Japanese aralia	light / full shade	2 x 1m	150mm	E
<i>Ligularia reniformis</i>	Tractor Seat Plant	light / full shade	0.5 x 0.5m	150mm	E
<i>Lomandra tanika</i>	Matt Rush	Full sun / PART SHADE	0.8m x 0.8m	150mm	A
<i>Viola hederacea</i>	Native Violet	Part shade	Spreading to 1m	150mm	V

<b>BALCONY / CASCADING PLANTS</b>					
<i>Casuarina glauca 'Cousin It'</i>	Cousin It	Full sun	spreading/trailing	150mm	A
<i>Cissus antarctica</i>	Kangaroo Vine	Part shade	spreading/trailing	150mm	A
<i>Dichondra argentea 'Silver Falls'</i>	Silver Falls	Part shade	spreading/trailing	150mm	A
<i>Hardenbergia violacea</i>	Purple Coral Pea	Full sun	spreading/trailing	150mm	V
<i>Juniperus horizontalis</i>	Creeping juniper	part shade	spreading/trailing	150mm	E
<i>Myoporum parvifolium</i>	Creeping Boobialla	Full sun/part shade	spreading/trailing	150mm	V
<i>Rosemary officinalis prostratus</i>	Prostrate Rosemary	Full sun	spreading/trailing	150mm	E

<b>UPPER LEVEL TERRACES</b>					
<b>TREES</b>					
<i>Brachychiton acerifolia</i>	Illawarra Flame Tree	part shade	8 x 8m	100L	A
<i>Hymenosporum flavum</i>	Native Frangipani	part shade	15 x 8m	100L	A
<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	full / part shade	15 x 6m	100L	A
<i>Cupaniopsis anacardioides</i>	Tuckeroo	Sun / part shade	7 x 6m	100L	A
<i>Eucalyptus caesia 'Silver Princess'</i>	Silver Princess	Full sun	6 x 4m	100L	A
<i>Geijera parvifolia</i>	Wilga	Sun / part shade	7 x 7m	100L	A
<i>Corymbia citridora 'Scentuous'</i>	Dwarf Scented Gum	Sun	7 x 5m	100L	A
<i>Allocasuarina littoralis</i>	Black Sheoak	Sun / light shade	10 x 5m	100L	L
<i>Tristaniaopsis laurina 'Luscious'</i>	Kanooka	Full sun / part shade	8 x 6m	100L	A
<b>SHRUBS AND GROUNDCOVERS</b>					
<i>Agave varieties</i>	Agave	Full sun	0.5 x 0.5m	150mm	E
<i>Anigothanthos flavidus</i>	Kangaroo Paw	Full sun	0.6 x 0.6m	150mm	A
<i>Banksia spinulosa 'Cherry Candles'</i>	Banksia	Sun / part shade	0.5 x 0.5m	150mm	A
<i>Beschorneria yuccoides</i>	Mexican Lily	Full sun	0.8 x 0.8m	150mm	E
<i>Casuarina glauca 'Cousin It'</i>	Cousin It	Full sun	spreading/trailing	150mm	A
<i>Correa alba</i>	White Correa	Sun/part shade	1 x 1.5m	200mm	V
<i>Cycas revoluta</i>	Sago palm	Filtered sun to part shade	3.5 x 2m	150mm	E
<i>Dianella revoluta</i>	Black Ansther Flax-Lily	Sun / part shade	0.8 x 1.5m	150mm	L
<i>Dichondra repens</i>	Kidney Weed	Part shade/ shade	Spreading to 2m	150mm	V
<i>Lomandra tanika</i>	Matt Rush	Full sun	0.8m x 0.8m	150mm	A
<i>Plectranthus argentatus</i>	Silver Plectranthus	Full sun/light shade	1 x 1.5m	150mm	A
<i>Senecio serpens</i>	Blue Chalk Sticks	Full sun	spreading	150mm	E
<i>Stachys byzantina</i>	Lamb's Ear	Part shade	Spreading to 1m	150mm	E
<b>CLIMBERS TO PERGOLAS</b>					
<i>Hardenbergia violacea</i>	Hardenbergia	Sun / light shade	climbing	150mm	V
<i>Pandorea jasminoides</i>	Bower of Beauty	Part shade	climbing	150mm	A
<i>Pandorea pandorana</i>	Wonga Vine	part shade	climbing	150mm	V
<i>Vitis vinifera</i>	Ornamental Grape	Sun	climbing	150mm	E
<b>EDIBLE KITCHEN GARDEN PLANTING</b>					
<i>Citrus varieties</i>	Citrus	Full sun	4 x 2m	100L	E
<i>Origanum vulgare</i>	Garden Oregano	Full sun	0.6 x 0.4m	150mm	E
<i>Rosemarinus officinalis</i>	Rosemary	Full sun	0.6 x 0.6m	150mm	E
<i>Salvia officinalis</i>	Sage	Full sun	0.8 x 0.8m	150mm	E
<i>Tagetes spp</i>	Marigold	Full sun	0.3 x 0.5m	150mm	E
<i>Thymus vulgaris</i>	Garden Thyme	Full sun	0.2 x 0.3m	150mm	E

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## 5 BADS Compliance, Maintenance, Irrigation & Typical Planter Detail

### 5.1 BADS Compliance

Basement parking or roadway is proposed to the extent of the site area, negating the opportunity for deep soil planting in natural ground. In lieu of this, the landscape design includes extensive areas of 'on structure' planting to ground level, level 1 and level 6 including vast areas of deep soil.

Two BADS Type 'B' trees located within the required soil depth and volume on Level 1 and Level 6.

Pergolas are provided at level 1 & 6 to provide a growing frame for climbing plants and to increase canopy coverage.

Significant facade planting is also provided to contribute to the building greening and will assist in heat reduction.

TOTAL SITE AREA	<b>7814m<sup>2</sup></b>
Total planting area	1560m <sup>2</sup>
Planting percentage of site area	20%
Total deep planting area (more than 800mm soil depth)	700m <sup>2</sup>
Deep soil percentage of site area	9%
Number of B type trees (8m height x 8m spread with minimum 28 m <sup>3</sup> soil volume)	2
Number of trees	77
Canopy cover from trees	1058m <sup>2</sup>
Canopy cover from pergolas with climbers	354m <sup>2</sup>
Total canopy cover	1412m <sup>2</sup>
Canopy cover percentage of site area	18%

### 5.2 Irrigation

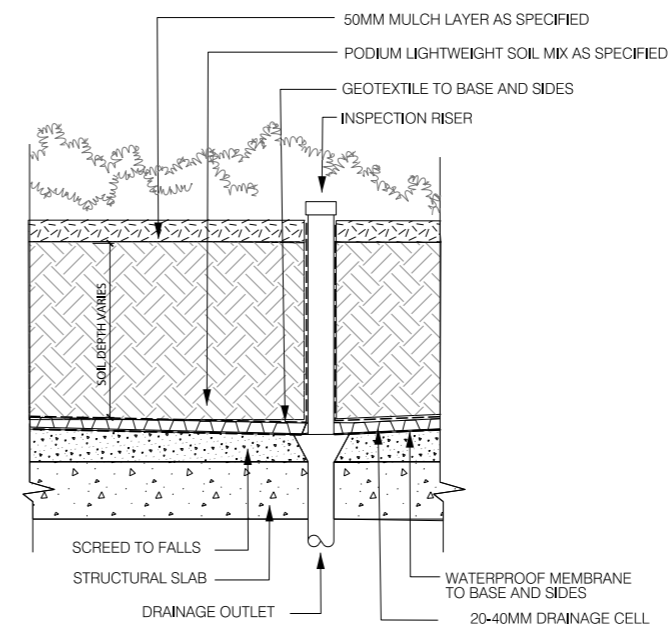
All proposed planting within the site would be serviced by an automatic drip irrigation system with moisture sensors, (to be specified within the Landscape Specification or designed by Irrigation consultant during documentation phases). All landscape irrigation will endeavour to be sourced from an on-site rain water harvesting system where possible.

### 5.3 Maintenance

The maintenance of the landscape will be paramount to its establishment and ongoing ability to thrive. The species selected are known performers in situations where soil depth and light levels are limited, however a rigorous continuous maintenance regime will ensure the garden installation flourishes and presents well throughout the year.

Maintenance activities undertaken, during and post establishment, will include; weeding; tip pruning; fertilizer application; herbicide spray (if appropriate), replenishment of mulch; and monitoring of plant health and performance and the implementation of other appropriate horticultural measures to ensure optimal growth at all times.

### 5.4 Typical On Structure Planter Profile



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