



ARCADIA

Northside West Clinic Stage 2 Sitewide Landscape Strategy

Prepared for SSDA
Jul. 2022

We respectfully acknowledge the Traditional Custodians of the lands where we live and work. We acknowledge their unique ability to care for Country and deep spiritual connection to it. We honour Elders past, present and emerging whose knowledge and wisdom has and will ensure the continuation of cultures and traditional practices.

Rev A	24/11/2021	VD/AL
Rev B	10/12/2021	VD/AL
Rev C	16/12/2021	VD/AL
Rev D	22/12/2021	VD/AL
Rev E	10/01/2022	VD/AL
Rev F	16/06/2022	VD/AL
Rev G	05/07/2022	VD/AL

Executive Summary

The project aims to provide a landscape strategy for Northside West Mental Health facility stage 2 expansion. The landscape strategy developed the internal and external courtyards of with views over Lytton Park and Finlayson’s Creek. Both courtyards will have a positive effect on patient experience and recovery times. The strategy will include hanging garden, green walls, external planting and climbers to soften interface with ground and meandering landscape routes.

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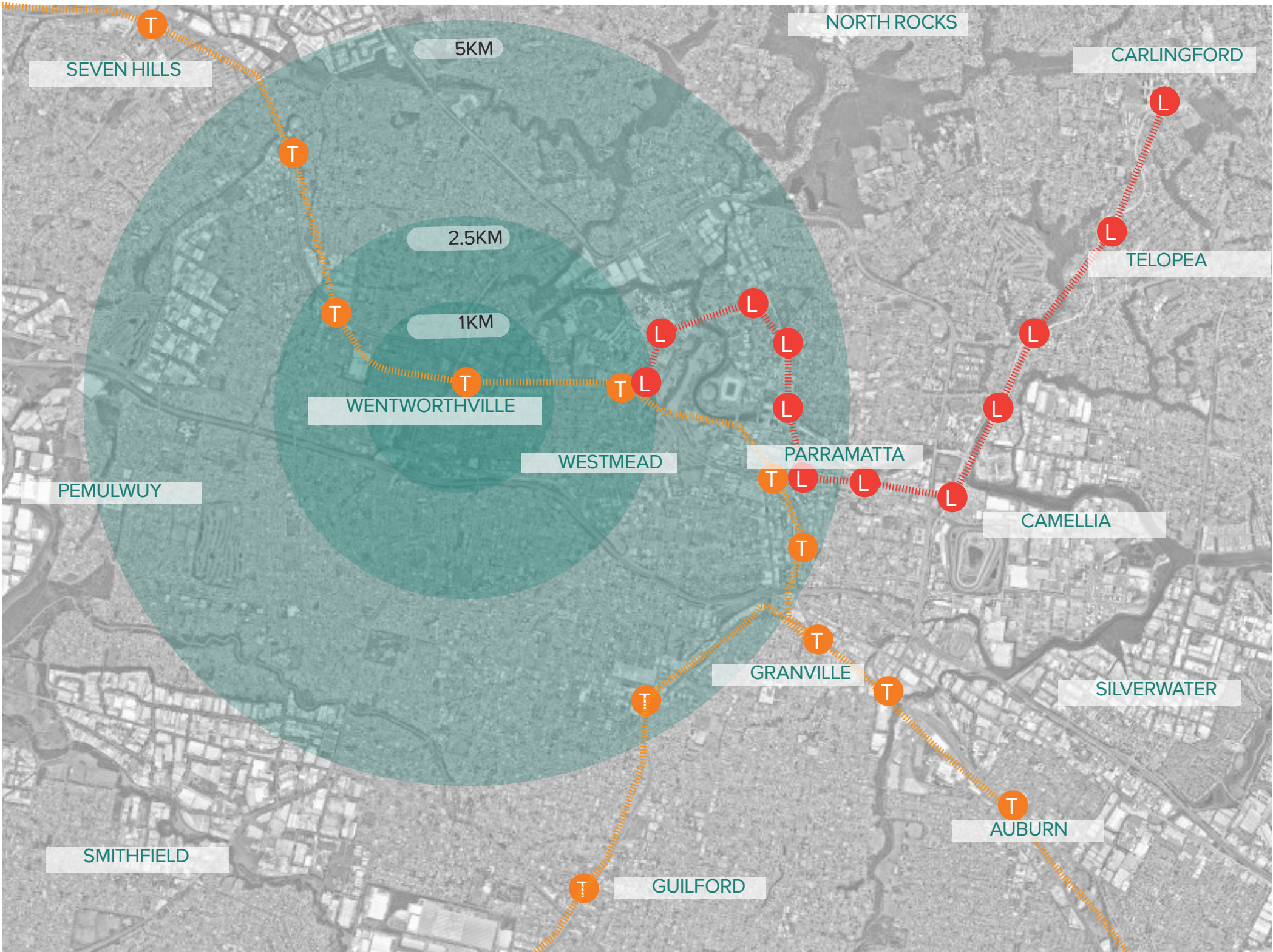
01 Context



01 Context | Regional Context

Wentworthville

Wentworthville is located twenty seven kilometers west of the Sydney central business district and is part of the Greater Western Sydney Region. Wentworthville is part of both the local government areas of the City of Parramatta and the Cumberland Council. The estimated population in 2018 was 8084. The area has progressed from one of Australia's first Government and industrial zone, to a medical, research and manufacturing precinct. The community has a local manufacturing and industrial heritage with the factories being present such as Bonds and Shannon's Brick and Pottery factory. Today the community is a culturally diverse and highly educated area with 61% being born overseas of which 47% have a university or trade qualification.



01 Context | Site Context

Legend

NORTHSIDE WEST SITE BOUNDARY

PROJECT STAGE 1 EXTEND OF WORKS

PROJECT STAGE 2 EXTEND OF WORKS

MAIN ROAD

CYCLING AND PATHWAY

WATERWAY

PARKLAND AND RESERVES

An aerial photograph of a residential area with a green parkland area on the left. A red dashed line outlines the 'NORTHSIDE WEST SITE BOUNDARY'. Within this boundary, a blue dashed line indicates the 'PROJECT STAGE 1 EXTEND OF WORKS' and a green dashed line indicates the 'PROJECT STAGE 2 EXTEND OF WORKS'. The 'NORTHSIDE WEST CLINIC STAGE 1' and 'NORTHSIDE WEST CLINIC STAGE 2' are labeled within the site boundary. To the west of the site is 'FINLAYSON CREEK' and 'EARNIE QUINN VILLAGE GREEN'. To the east is 'LYTTON ST'. To the north are 'JORDAN ST' and 'HAIG ST'. A purple dotted line represents a 'CYCLING AND PATHWAY' running along the creek and through the parkland. Blue double lines represent 'MAIN ROADS' (Jordan St, Haig St, Lytton St). Blue hatched lines represent 'WATERWAYS' (Finlayson Creek). Green shaded areas represent 'PARKLAND AND RESERVES'.

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01 Context | Ecological Communities

Cumberland Plain Woodland

Shale/ Sandstone Transition Forest

- Endemic to New South Wales, specifically the area in and around Western Sydney.
- It occurs on flat to undulating terrain at an elevation of 350m above sea level.
- The natural vegetation that occurs along the creeks and reserves within the area is a blend of Cumberland River Flat Forest with She oaks (*Casuarina glauca*) Roughed-barked Apple (*Angophora floribunda*) and Forest Red Gum (*Eucalyptus tereticornis*).
- This is a threatened ecological community with less than 10% remaining.



Colonial Settlement

Wentworthville is named after DÁrcy Wentworth, a colonial surgeon and landowner. From 1799 he slowly aquired land tp form a large estate called Fitzwilliam Place which was primarily used for grazing livestock. Portions of the estate were leased for cattleyards and The Star Inn. Subdivisions of the land become Wentwothville estate with a small population by 1890, leading to the opening of a postoffice and public school. In the 1920s indusrtial development ocured in the area with the opening of the Bonds factory. This economic growth lead to other services and entertainment buildings opening such as an open air cinema and the Regent Theatre on Station Street.



Indigenous Heritage

The First Nations People for more than 40,000 years have been using the large rock shelves of the Toongabbie Creek for resources. The traditional custodians of the land are the Boolbainora clan of the Darug people. On 3 May 1805, a group of Aboriginal women and a young free settler, John Kennedy, arranged a reconciliation meeting on Prospect Hill. This involved Darug Aboriginal leaders and European settlers headed by Rev John Marsden. It was the first recorded act of reconciliation between Aboriginal people and Europeans in Australia and it ended the ongoing conflict in Parramatta and Prospect.



12,000 BP	1788	1790s	1821	1843	1890	1920s	1934	2021
Sydney Canyon is flooded, forming Sydney Harbour. Indigenous people migrate following glacial melt.	European Arrival. The Boolbainora clan of the Darug Nation occupy the Cumberland.	Conflict between settlers and First Nations people occurs at Prospect Hill.	Wentworth occupies land named Fitzwilliam Place used for grazing livestock.	The Star Inn opens and becomes a hub of social activity as its a convenient rest point for local graziers.	Wentworthville as a township is established and a post office and public school opens.	Industrial and service development occurs, with the Bonds factory, a blacksmith. groceries, butcher and an open air cinema.	A new theatre is built called the Regent Theatre, situated on Station Street.	Today Wentworthville is a multicultural, diverse, well educated young community with 67% speaking languages other than English.

02 Visions



02 Visions | Principles



02 Visions | Character & Materiality

External Courtyard



Internal Courtyard



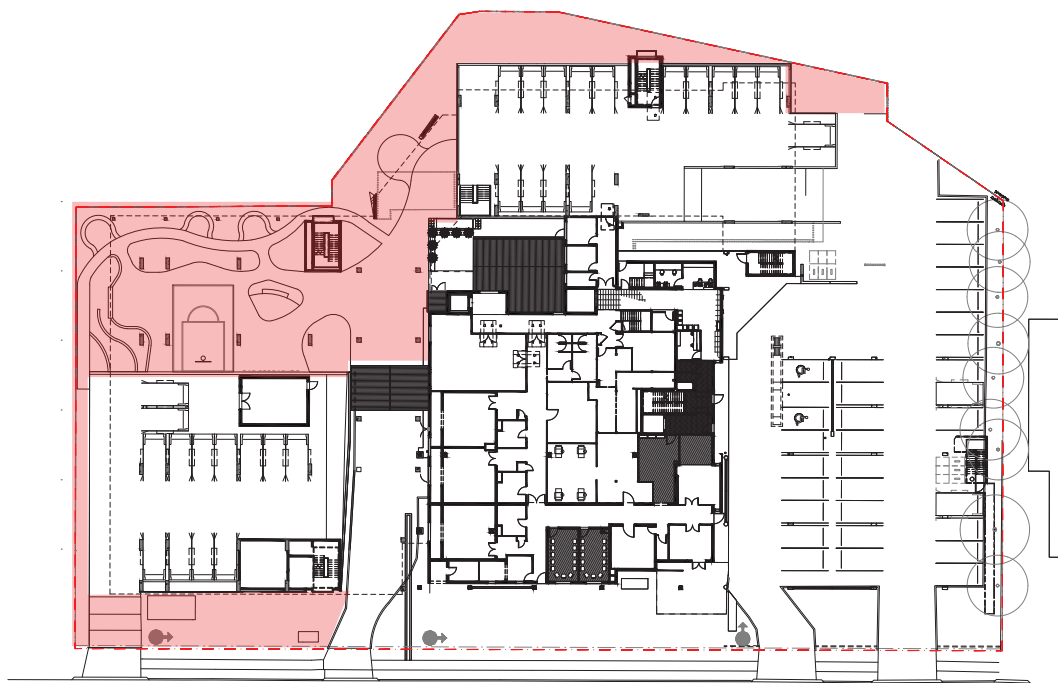
02 Visions | Softworks



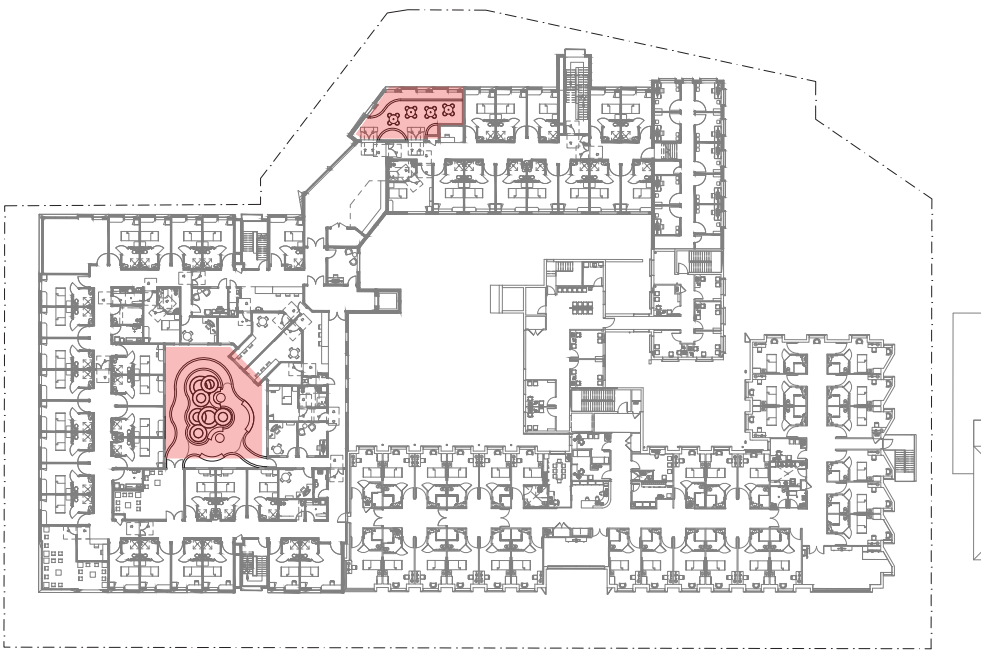
03 Strategies



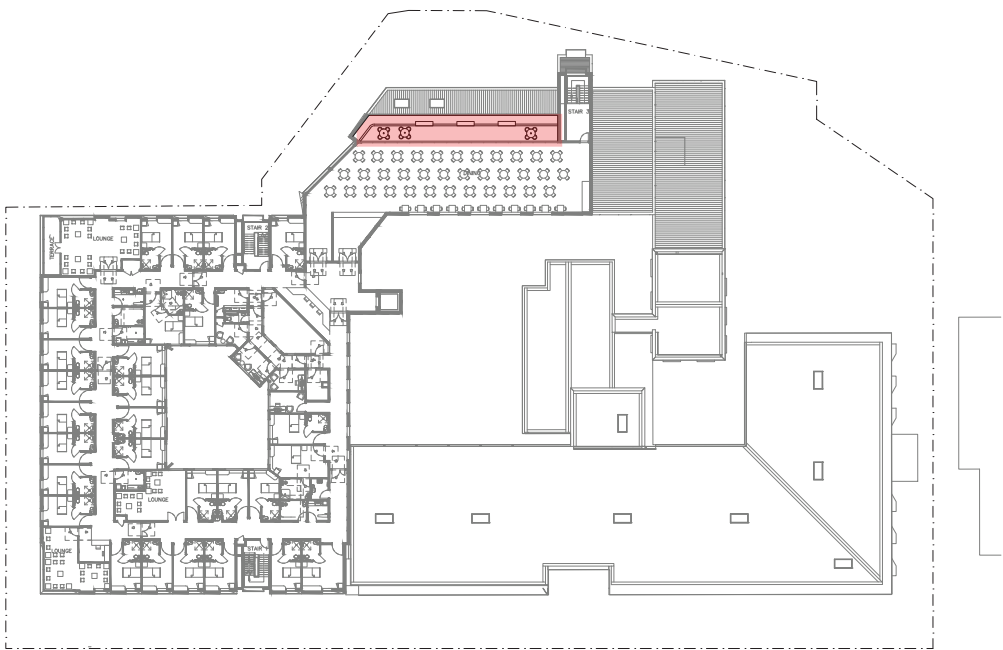
03 Strategy | Scope of Works



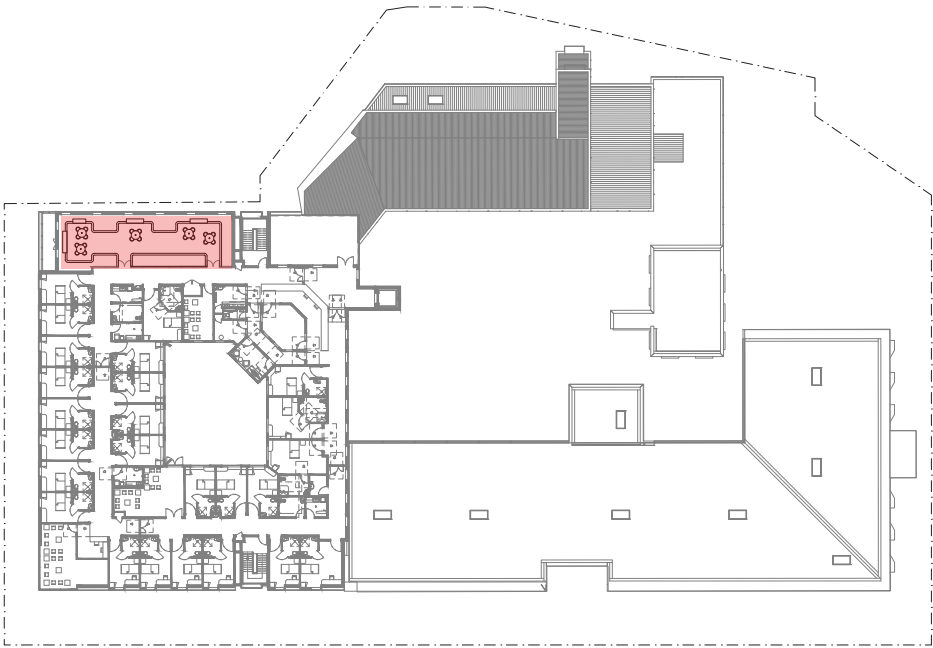
Ground Level
External Courtyard



Level 1
Hanging Garden + Inner Courtyard



Level 2
Courtyard



Level 3
Courtyard

03 Strategy | Trees Strategy



03 Strategy | Urban Heat Island Effect Mitigation



Legend

+

PROPOSED TREES CANOPY

+

EXISTING TREES CANOPY

GREEN SPACE

SHADED HARDSCAPE

ROOFTOP GARDEN

SURFACE AREA/TYPE	AREA (%)
Green Space	44%
- Tree Canop (included the canopy from trees outside of boundary) - Tree Canop (Excluded the canopy from trees outside of boundary)	30% 27%
Shaded Hardworks	26%
Unshaded Hardworks	8%
Rooftop Garden	22%

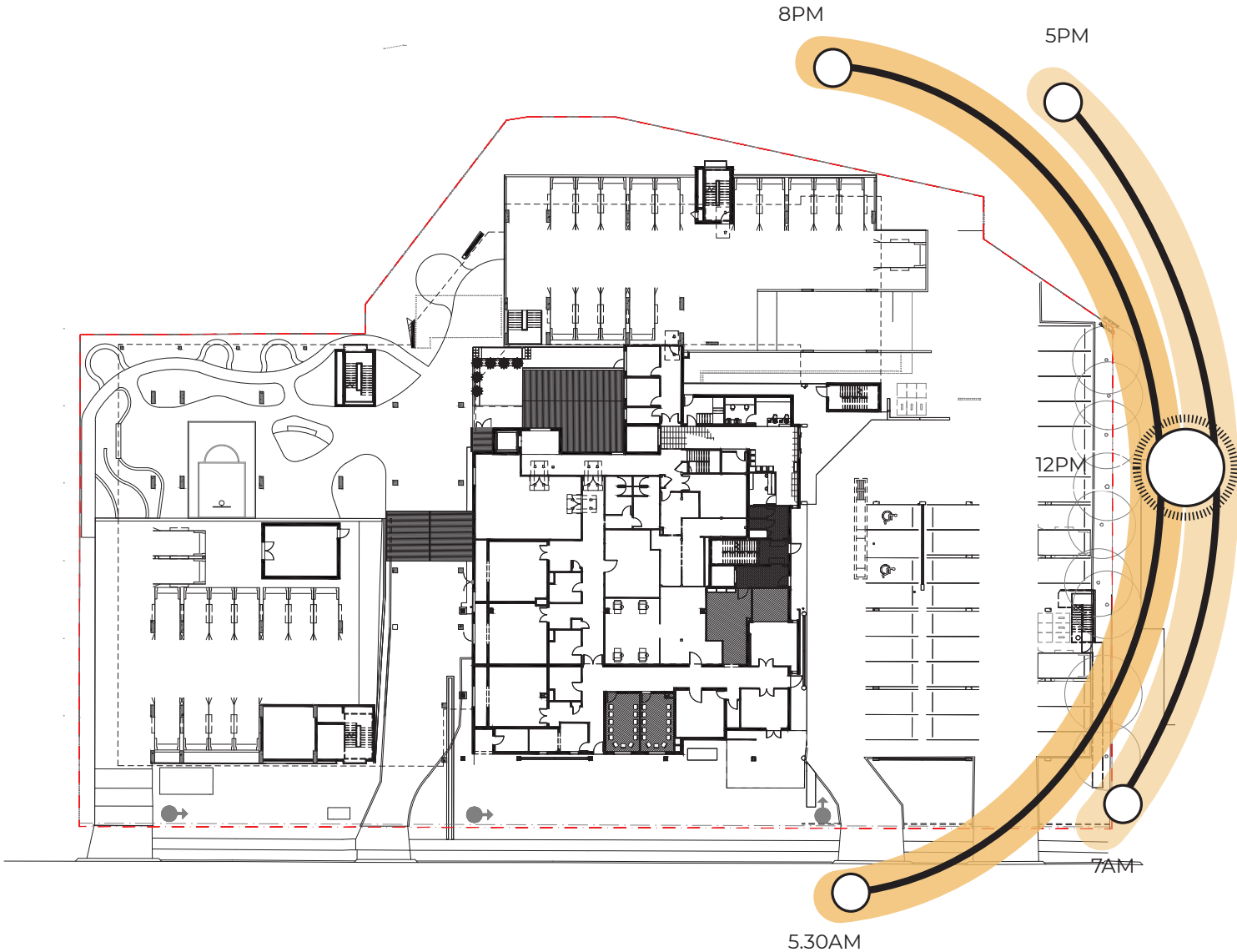
The Landscape strategy aims to provide shade and cooling urban area through the planting design to mitigate the urban heat island effect.

- The strategy will provide approx. 44% Green Space with min. 30% canopy included retained existing significant trees canopy across the ground level landscape extent of works to mitigate the urban heat island effect based on NSW Western Sydney 5MT program. (Calculation included the canopy from trees outside of the boundary)

- The strategy will provide approx. 44% Green Space with tree canopy and planting bed and 22% rooftop garden to provide the urban cooling.



Access and Staying Ports

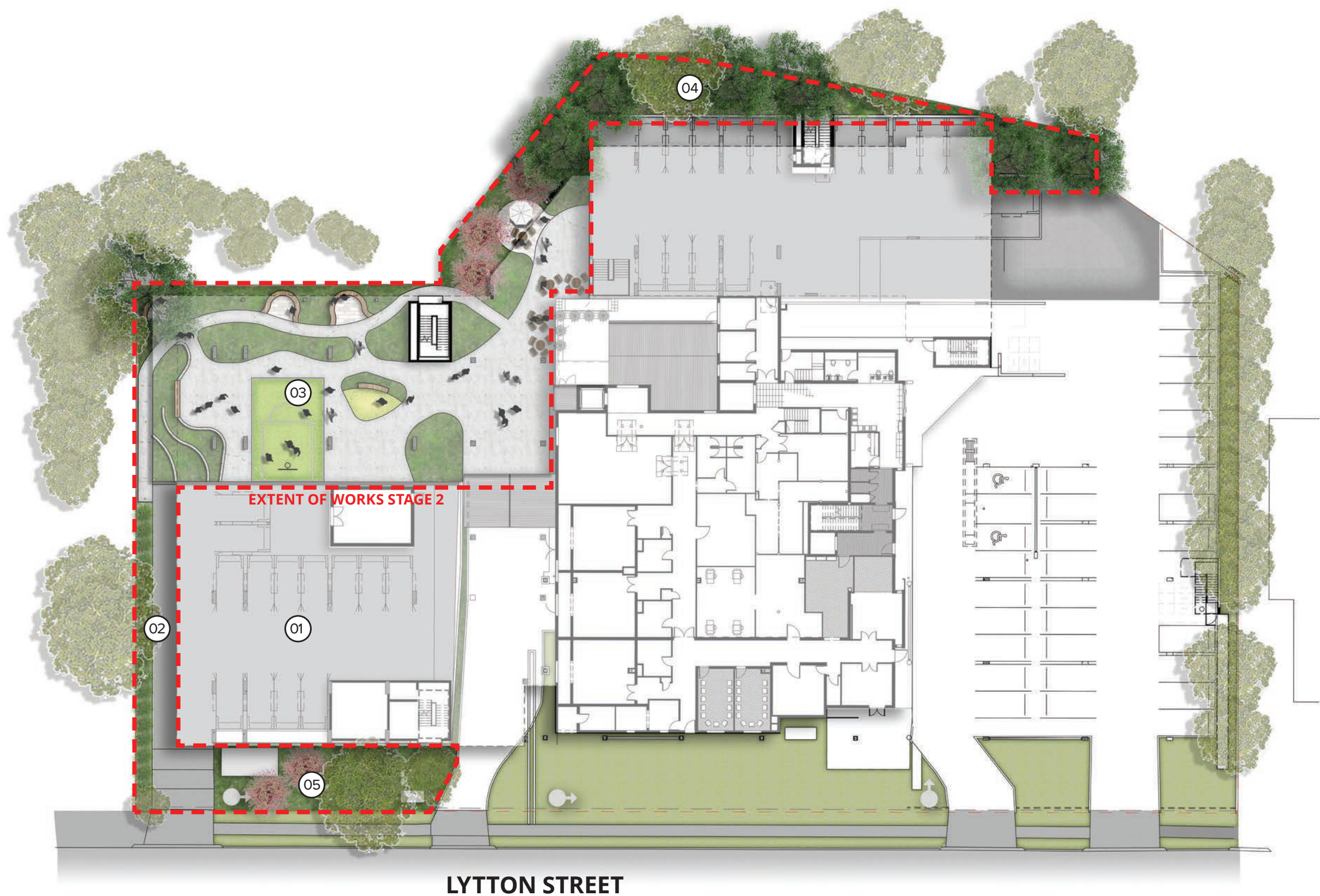


Sun Path

03 Strategy | Ground Level Masterplan

Legend

- 01 UNDER COVER CAR PARKING BY ARCHITECTS
- 02 PATHWAY
- 03 EXTERNAL COURTYARD
- 04 BACK BUFFER PLANTING
- 05 LYTTON STREET STREESCAPE



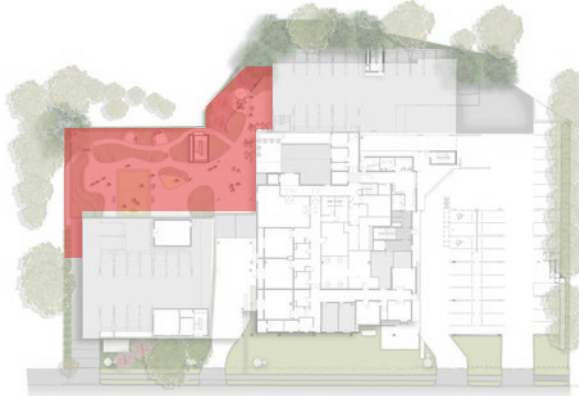
03 Strategy | Ground Level Details Plan - Backyard



Legend

- 01 RAMP ACCESS TO EXTERNAL COURTYARD
- 02 RETAINING WALLS
- 03 POCKET GARDEN
- 04 TIMBER SEATING
- 05 BASKETBALL HALF COURT
- 06 TURF
- 07 BACKYARD WITH FEATURE PLANTING
- 08 LOADING PORT
- 09 PLANTING BED
- 10 WALKING PATH

Key Plan

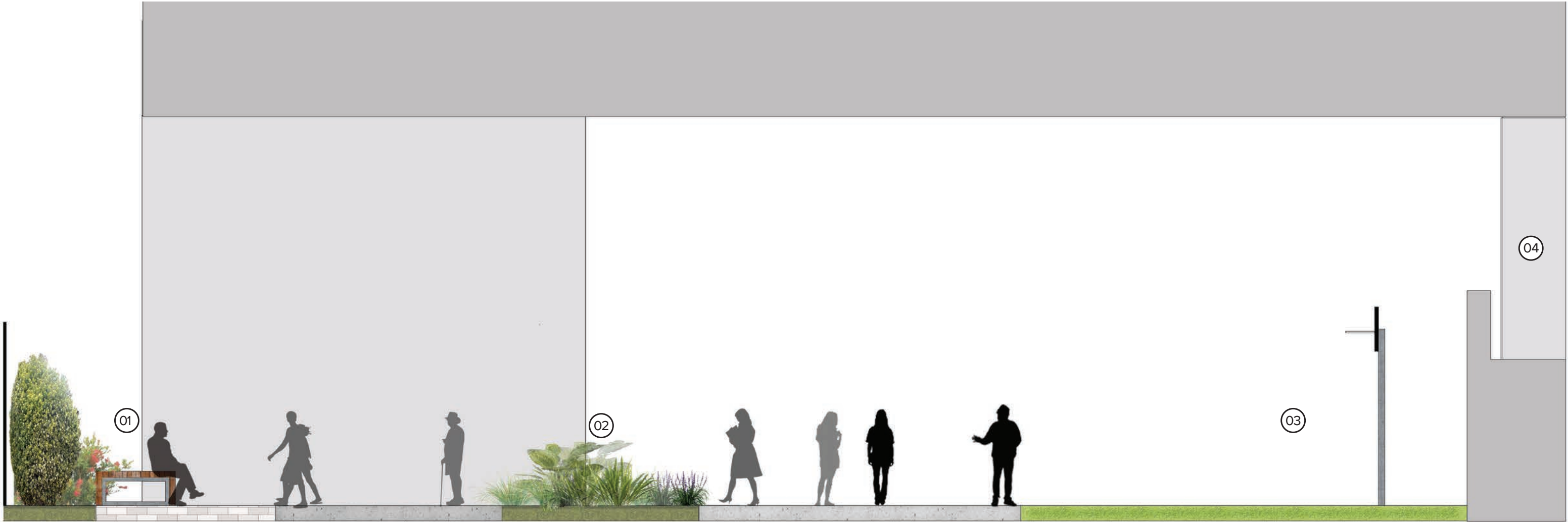
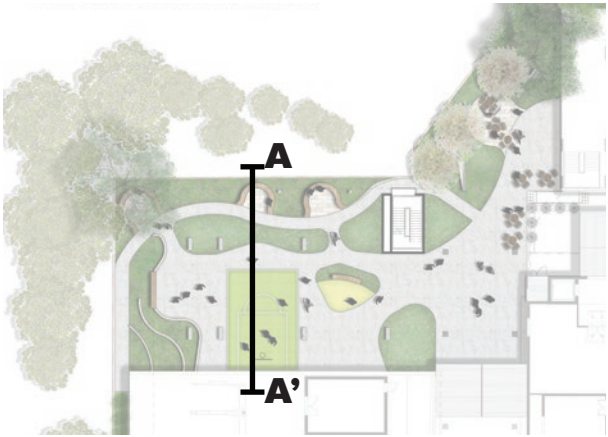


03 Strategy | Ground Level Section

Legend

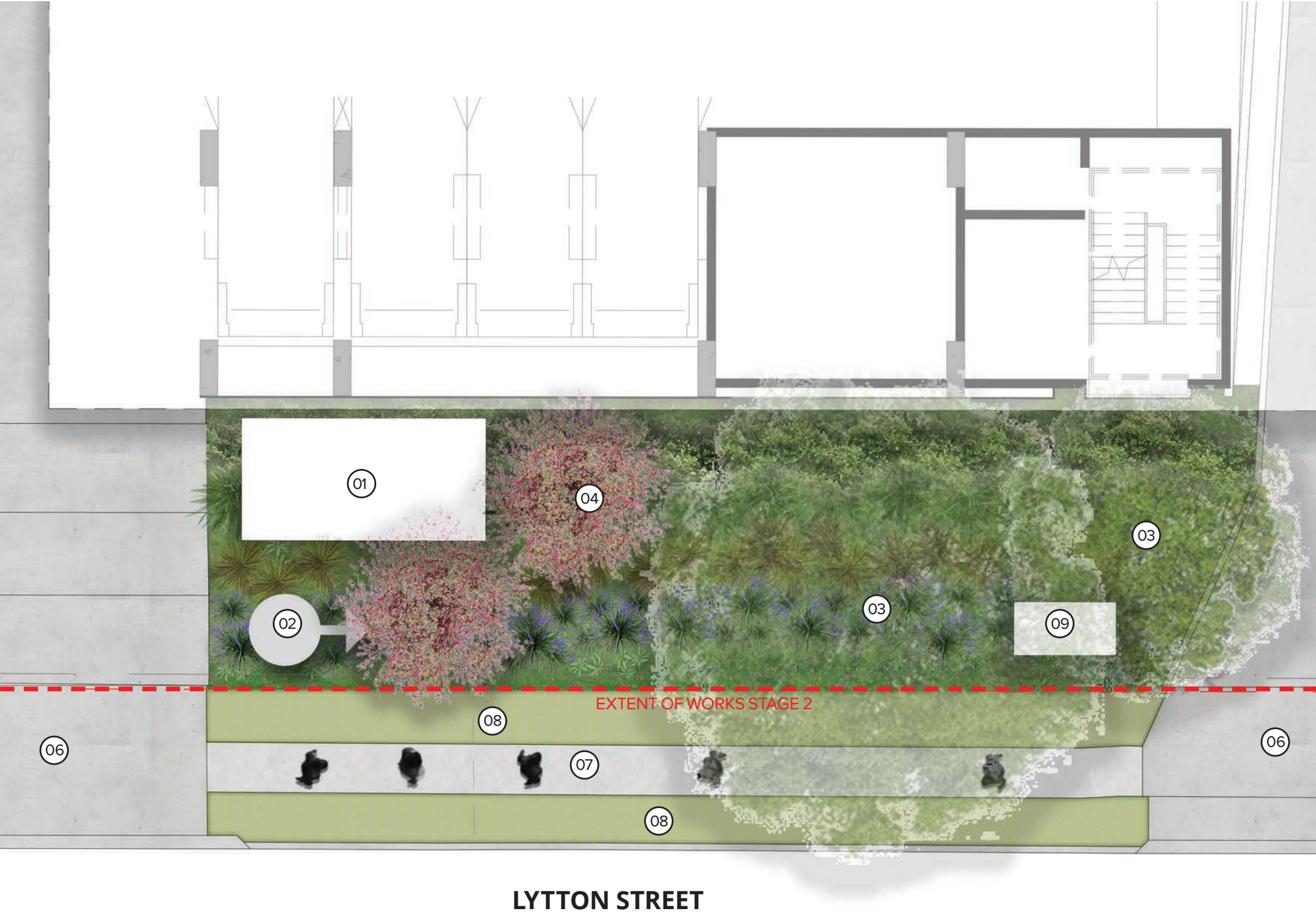
- 01 POCKET GARDEN
- 02 PLANTING BED
- 03 BASKETBALL COURT
- 04 CAR PARKING BY ARCHITECTS

Key Plan



SECTION AA'

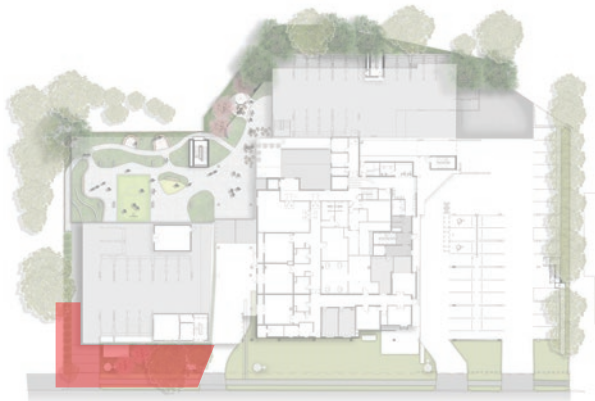
03 Strategy | Ground Level Details Plan - Lytton Street Streetscape



Legend

- 01 NEW SUBSTATION REFER ARCHITECTURAL PACKAGE
- 02 WAY FINDING REFER ARCHITECTURAL PACKAGE
- 03 EXISTING TREE TO BE RETAINED
- 04 PROPOSED TREE TO ALIGN WITH STAGE 1 PROPOSED TREE LINE
- 05 PRPOSED PLANTING BED
- 06 EXISTING DRIVEWAY
- 07 FOOTPATH
- 08 EXISTING VERGE
- 09 EXISTING FIRE HYDRANT BOOSTER

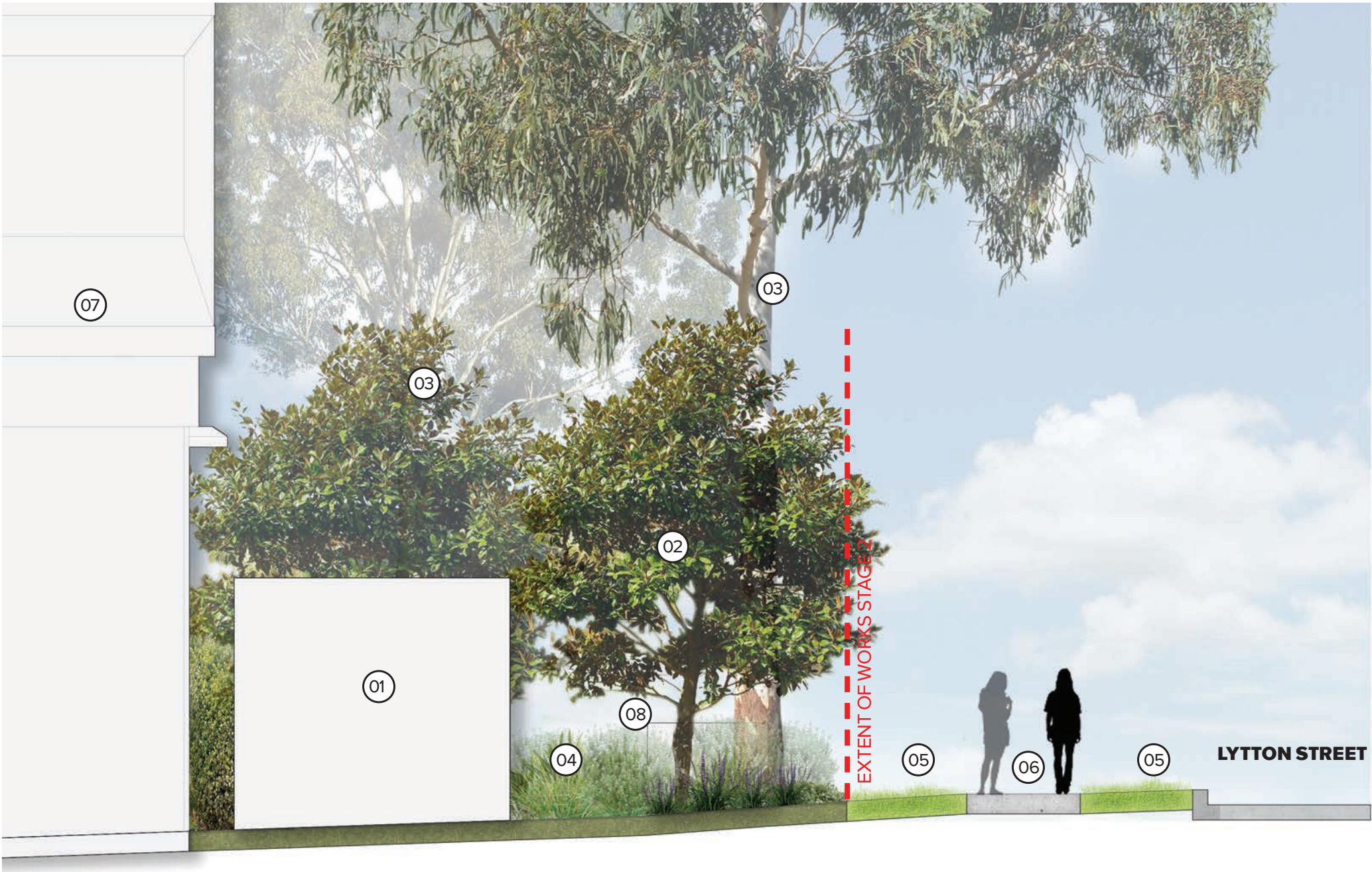
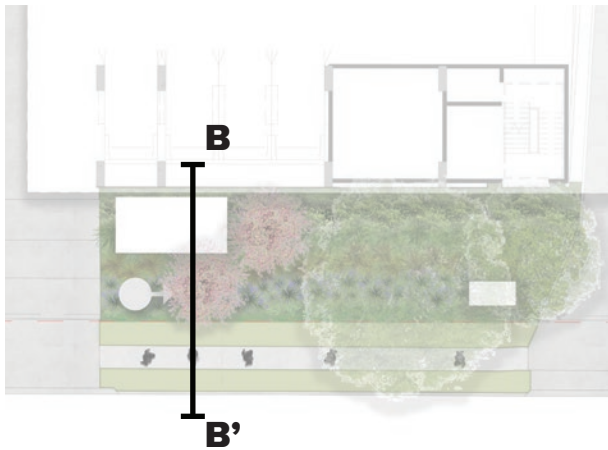
Key Plan



03 Strategy | Lytton Street Streetscape Section

Legend

- 01 NEW SUBSTATION
- 02 PROPOSED TREES
- 03 EXISTING TREES TO BE RETAINED
- 04 PROPOSED PLANTING
- 05 EXISTING VERGE
- 06 STREET FOOTPATH
- 07 CLINIC BUILDING REFER ARCHITECTURAL PACKAGE
- 08 EXISTING FIRE HYDRANT BOOSTER



SECTION BB'

03 Strategy | Ground Level Planting Palette

Trees



Corymbia maculata



Magnolia grandiflora 'little gem'

Grass & Rushes



Liriope muscari 'Evergreen Giant'



Lomandra hystrix



Liriope muscari

Shrub



Dianella tasred



Leionema 'Green Screen'



Phormium 'Wildwood'



Metrosideros 'Tahiti'

Fern & Cycads



Asplenium nidus



Cyathea cooperi



Davallia pyxidata



Nephrolepis cordifolia

Groundcovers & Climbers



Hardenbergia violacea



Hardenbergia 'Purple Spray'



Viola hederacea

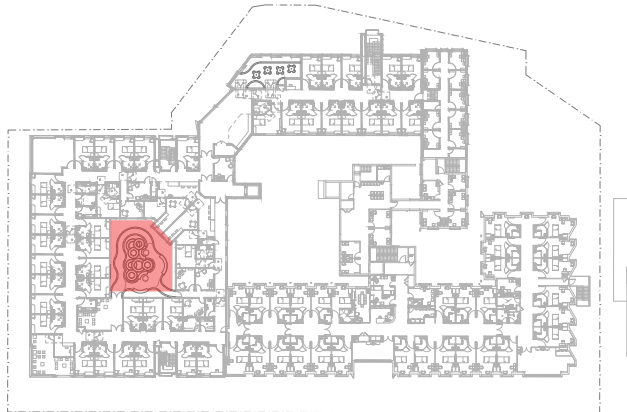
03 Strategy | Level 1 Hanging Garden Masterplan



Legend

- 01 SEATING AREA PAVING
- 02 ACCESS PATH PAVING
- 03 PLANTING BED
- 04 HANGING GARDEN
- 05 TIMBER SEAT INTEGRATED WITH PLANTER WALL
- 06 TIMBER SEAT INTEGRATED WITH PLANTER WALL + TABLE
- 07 MIN. 500MM PLANTER WALL

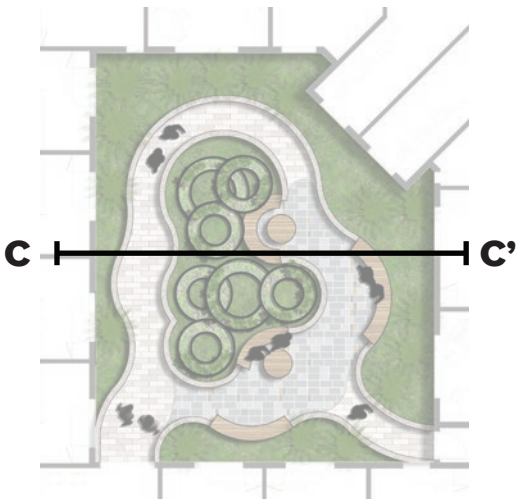
Key Plan



03 Strategy | Level 1 Hanging Garden Section



SECTION CC'



- 01 HANGING GARDEN
- 02 PLANTING BED
- 03 TIMBER SEAT INTEGRATED WITH PLANTER WALL + TABLE
- 04 SEATING INTEGRATED WITH PLANTER WALL

03 Strategy | Level 1 Hanging Garden Planting Palette

Courtyar Plants



Dicksonia antarctica

Dappled shade, partial shade and full shade



Asplenium nidus

Partial shade to shade



Cyathea cooperi

Partial shade



Blechnum "Silver Lady"

Partial shade to shade



Zamia furfuracea

Partial shade



Viola hederacea

Partial shade to shade

Hanging Garden Plants



Cissus antarctica

Light shade to shade



Pandorea pandorana

Shade



Nephrolepis 'Fluffy Ruffles'

Shade



Begonia summerwings 'Vanilla'

Shade



Epipremnum aureum

Partial shade



Microsorium diversifolium

Shade

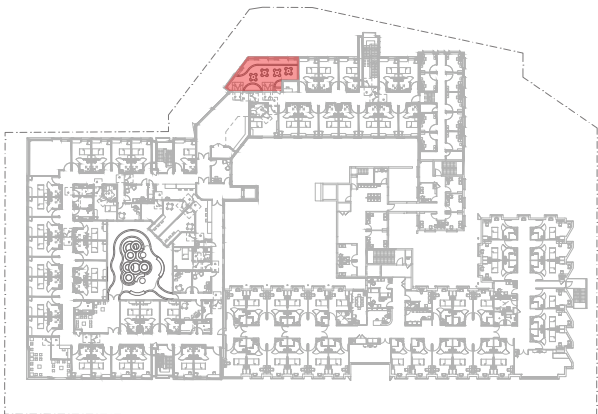
03 Strategy | Level 1 Inner Courtyard



Legend

- 01 MIN. 500MM HEIGHT RAISED PLANTER
- 02 CAFE TABLE AND SEATS

Key Plan



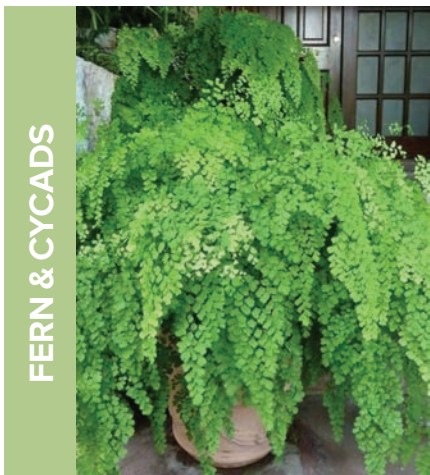
Aspidistra Elatior



Dieffenbachia spp.



Epipremnum Pinnatum

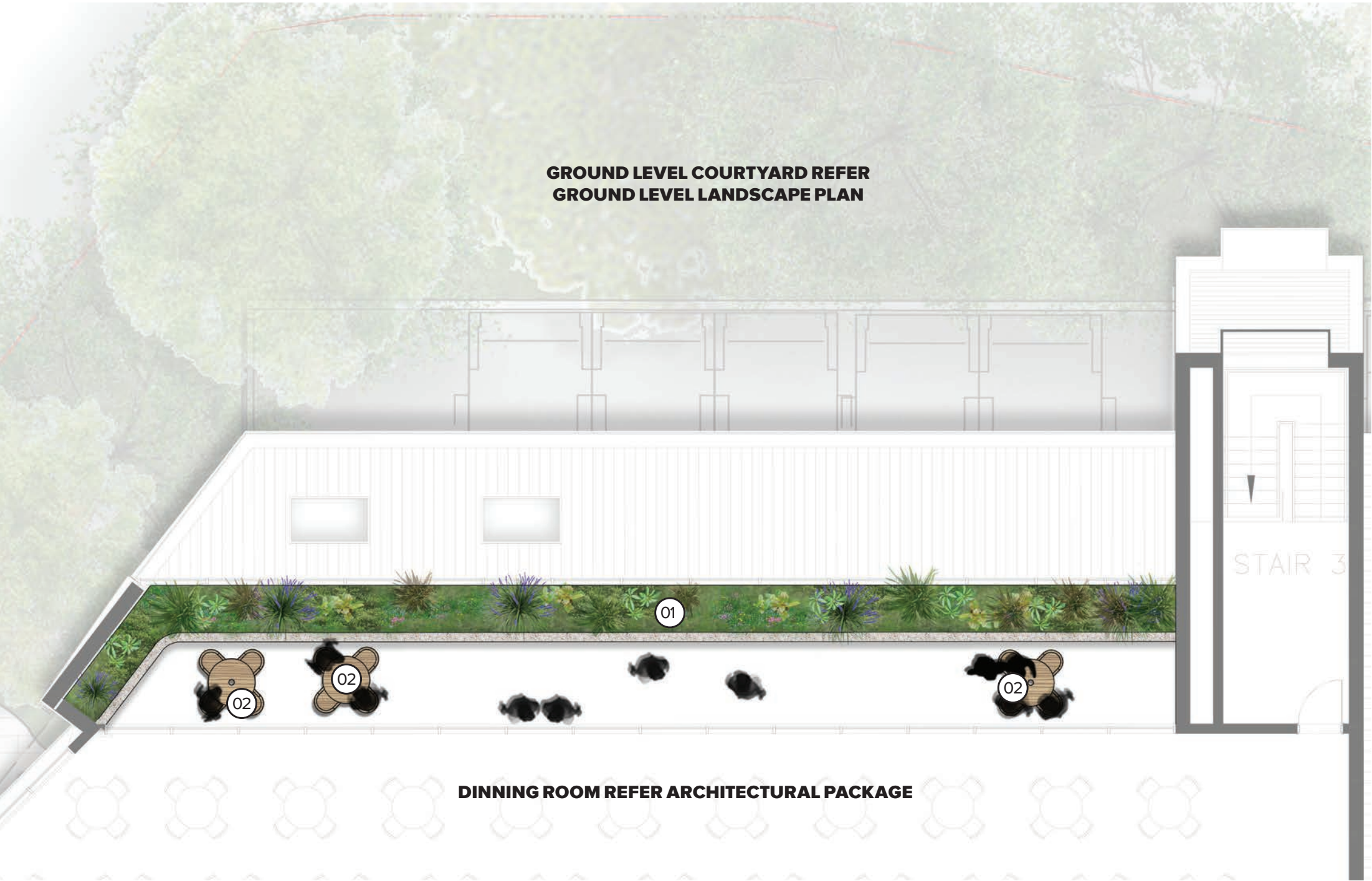


Adiantum spp.



Pandorea pandorana

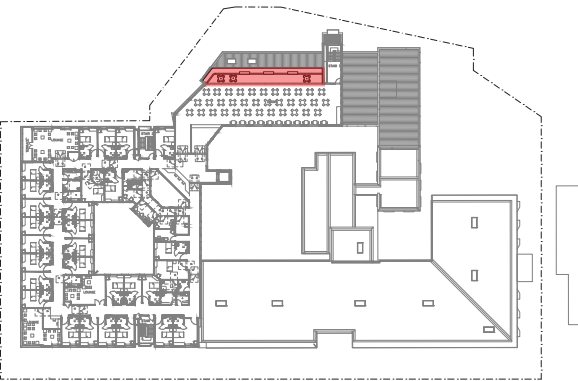
03 Strategy | Level 2 Courtyard



Legend

- 01 MIN. 500MM RAISED PLANTER
- 02 CAFE TABLE AND SEATS

Key Plan



03 Strategy | Level 2 Courtyard Planting Palette

Shrubs and Accents



Anigozanthos 'Bush Blitz'

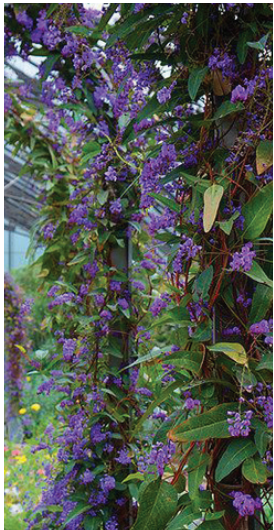


Westringia 'Grey Box'

Groundcovers and Climbers



Dampiera diversifolia



Hardenbergia violacea



Pennisetum alopecuroides 'nafray'



Liriope muscari



Lomandra tanika

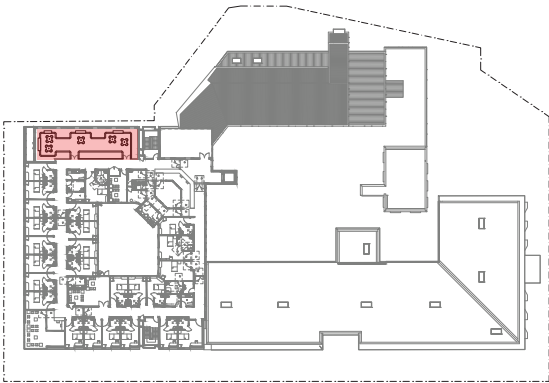
03 Strategy | Level 3 Courtyard



Legend

- 01 MIN. 500MM HEIGHT RAISED PLANTER
- 02 CAFE TABLE AND SEATS

Key Plan



03 Strategy | Level 3 Courtyard Planting Palette

Shrubs



Anigozanthos 'Bush Blitz'

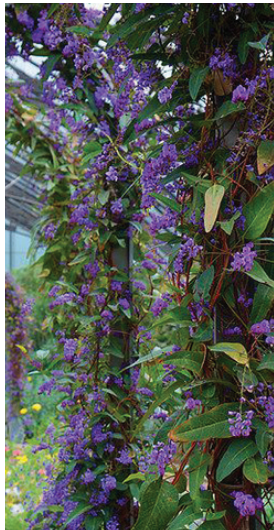


Westringia 'Grey Box'

Grasses, Groundcovers and Climbers



Dampiera diversifolia



Hardenbergia violacea



Nephrolepis 'Fluffy Ruffles'



Pennisetum alopecuroides 'nafray'



Liriope muscari



Lomandra tanika

ARCADIA