

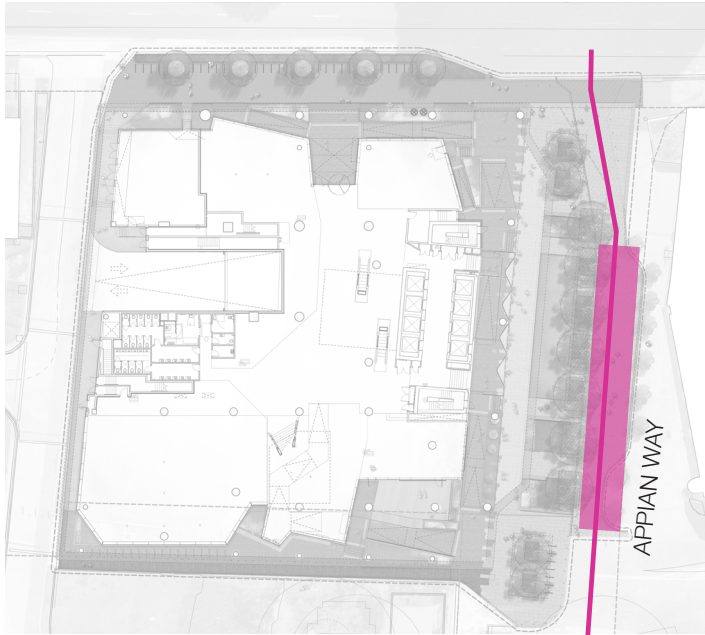
The background of the slide is a composite image. On the left, there is a detailed architectural site plan showing building footprints, internal courtyards, and pedestrian paths with dashed lines. On the right, there is a 3D landscape rendering of the same campus area, showing green lawns, mature trees, and paved walkways. A semi-transparent dark grey horizontal band is overlaid across the center of the image, containing the title text in white.

New Western Sydney University, Bankstown City Campus SSDA Report

1. Ground Plane & Public Realm

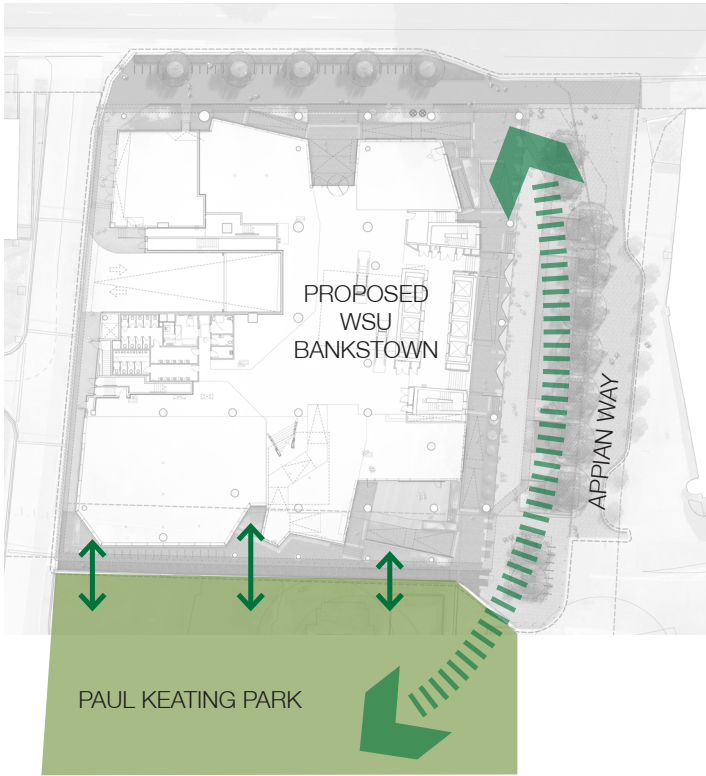
Public Realm - Landscape Design Objectives

STREET



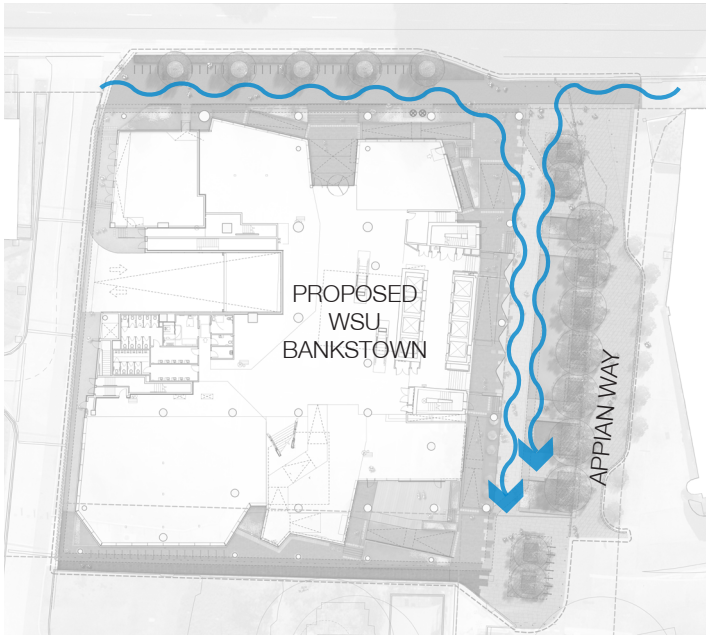
- Align Appian Way to South

PARK



- Connect Appian Way and WSU to Paul Keating Park

WATER



- Mitigate the effects of flood overlay within the design.

The design for WSU Bankstown Campus public realm is anchored on three core principals

The Street

Aligning Appian Way the South improves pedestrian an visual connections train station (South) to the campus front door. By aligning Appian Way, we create a coherent pedestrian experience and connections to Paul Keating Park. The public amenity of Appian way is vastly improved with the existing access road now a vibrant shared space that adds to the urban fabric of Bankstown.

Park

Southern edge of campus has an important connection to an established community asset, Paul Keating Park. The design of the public realm builds on this connection, connecting the park up Appian Way to Rickard Road.

Water

The site sits within a flood zone, the ground plane aims to alleviate flooding conditions. The design is responsive the flooding overlay in numerous ways. The design of Appian Way creates create a simplified ground plane with minimal interruption to overland flow.

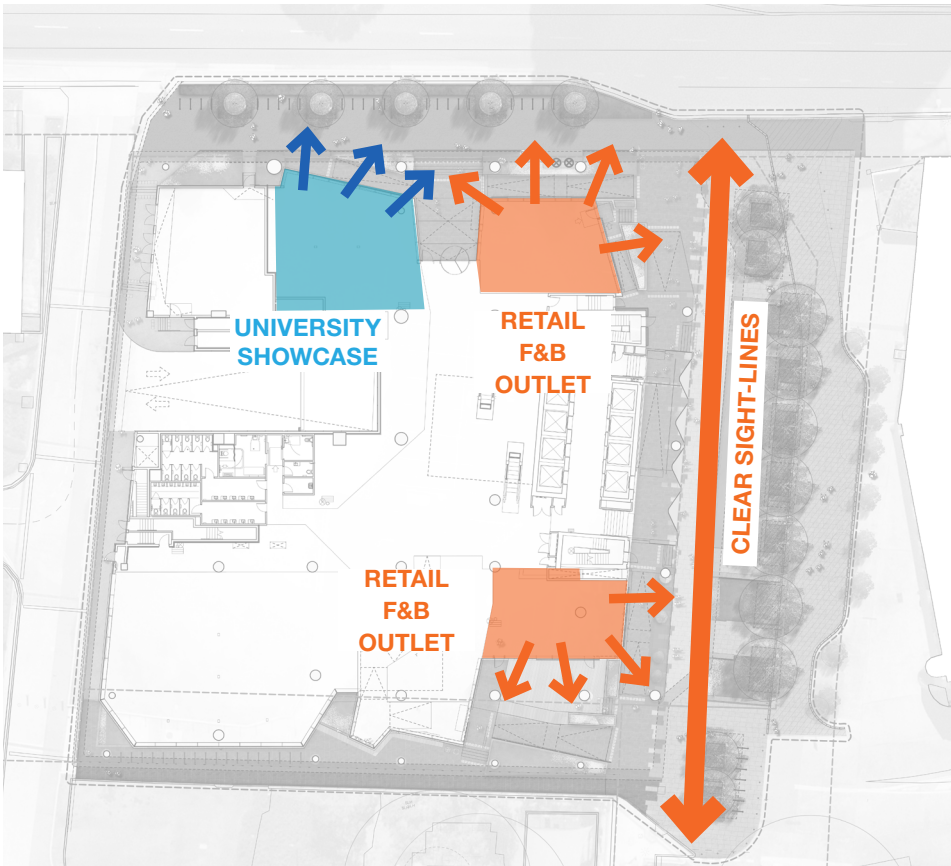
Public Realm - Landscape Design Objectives

A NEW STREET



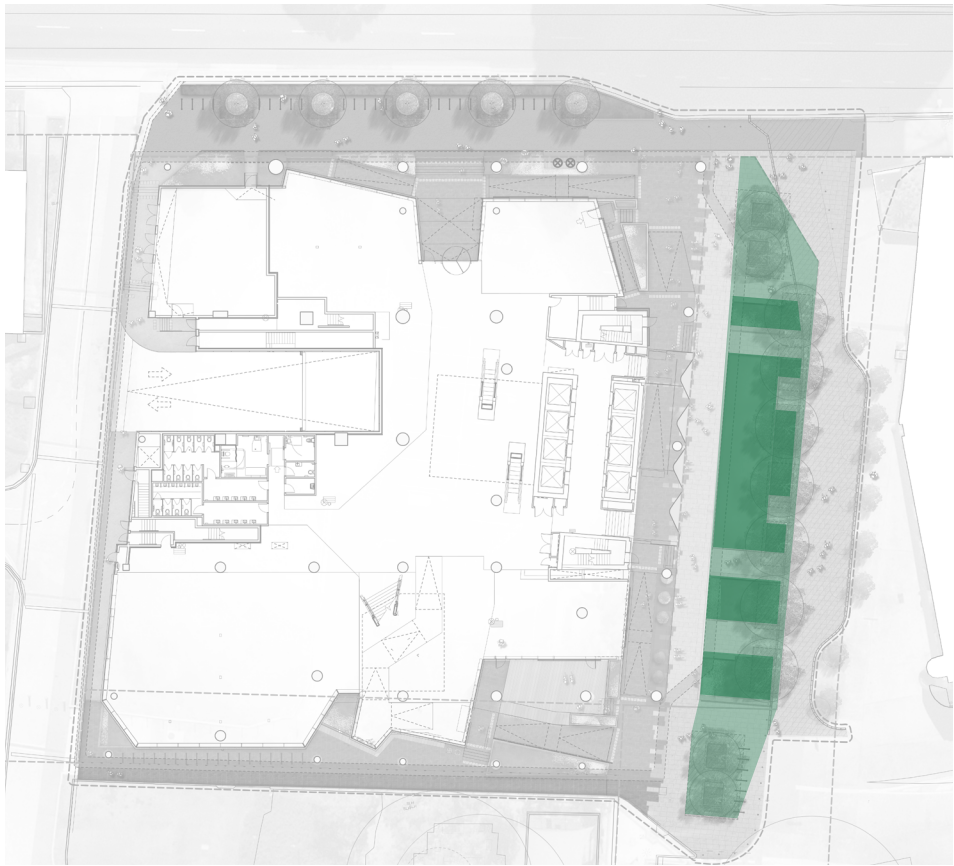
- The design provides a benchmark for the future development of Appian Way.
- 895 m2 of new public space (within the property title)

A SAFE STREET



- Increased retail activation and clear sight-lines

A GREENER STREET



- We have prioritised space for greening.
195m2 of greening in Appian Way including the central lawn, amenity planting and new street trees.

Public Realm - Landscape Design Proposal - Illustrative Plan

LANDSCAPE LEGEND

- CoCB standard paving
- Granite feature paving
- Vehicle rated paving (& kerbs)
- In situ concrete paving
- Timber decking
- Planting
- Lawn
- Feature street tree
- Bicycle parking (98 spots)
- Fixed seat / bench

REFER TO LANDSCAPE
DOCUMENTATION AND MATERIALS
SELECTION SCHEDULE FOR
FURTHER INFORMATION



Public Realm - Landscape Design Proposal - Trees & Planting

FURNITURE TYPOLOGIES



REFER TO LANDSCAPE DOCUMENTATION
AND MATERIALS SELECTION SCHEDULE
FOR FURTHER INFORMATION

SOCIAL LONG SEATS

Long social seating for gathering,
learning and collaboration

2-phase power allowance built into
furniture elements.



TIMBER TOPPED FURNITURE

Generous timber topped furniture
activates the North and South
entrances and provides places for
students to wait & dwell. Timber
furniture invites students to activate
the threshold between the Street and
the park.



FIXED RETAIL FURNITURE

Permanent fixed furniture elements
provide activation as part of retail
tenancies. Fixed furniture elements
provide activation to street if retail is
not in open.

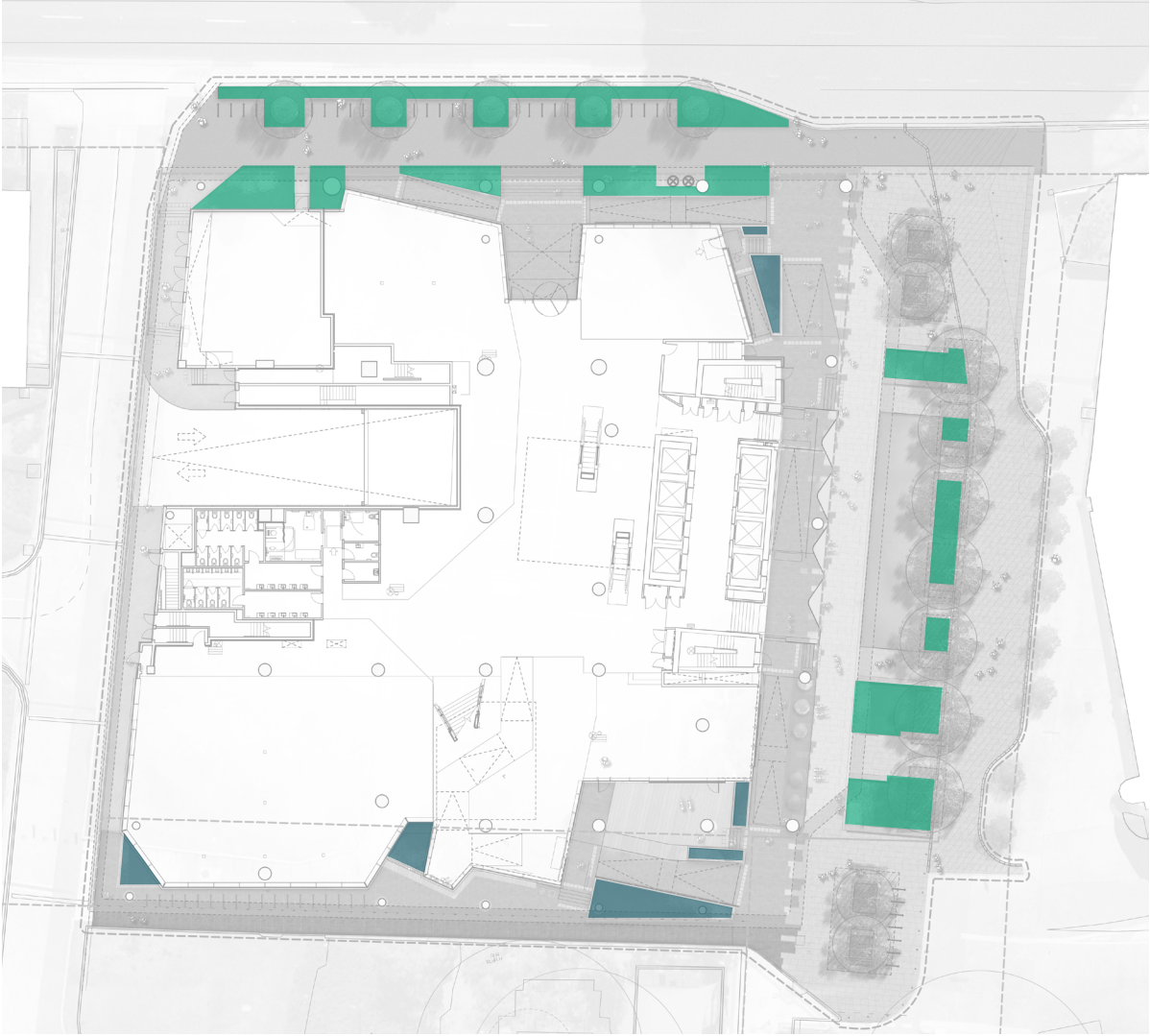
GROUPED GARDEN FURNITURE

Grouped fixed garden furniture in
varying arrangements encourages
public and students to occupy the
street.



Public Realm - Landscape Design Proposal - Feature Planting

FEATURE PLANTING SPECIES TYPOLOGIES



REFER TO LANDSCAPE DOCUMENTATION
AND MATERIALS SELECTION SCHEDULE
FOR FURTHER INFORMATION

GB-01

AMENITY PLANTING



Acacia baileyana
'Prostrate'
Cootamundra
Wattle



Anigozanthos sp.
Kangaroo Paw



Boronia pinnata
Pinnate boronia



Brachyscome
multifida
Cut-Leafed Daisy



Correa glabra
Rock Correa



Olearia axillaris
Coastal Daisybush

GB-02

AMENITY PLANTING - LOWER LIGHT AREAS



Ajuga reptans
'Catlins Giant'
Bugle



Heuchera micrantha
'Palace Purple'
Coral Bells



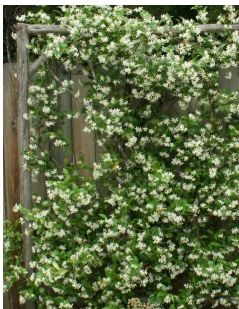
Liriope muscari
'Amethyst'
Liriope



Philodendron
'Xanadu'
Xanadu



Dichondra repens
'Silver Falls'
Kidney Weed



Trachelospermum
jasminoides
Star Jasmine

Public Realm - Landscape Design Proposal - Street & Feature Trees

TREE PLANTING SPECIES TYPOLOGIES



REFER TO LANDSCAPE DOCUMENTATION
AND MATERIALS SELECTION SCHEDULE
FOR FURTHER INFORMATION

TR-01



Acacia longifolia

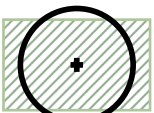
RICKARD ROAD TREES (IN POTS)

Trees proposed along Rickard Road include 5 no. *Acacia longifolia*. Under ideal growing conditions this species reaches a mature height and spread of 6m x 6m. The trees will be planted in GRC pots 1m deep by 2.2m in diameter. The soil volume for these trees will be approximately 4m³.

- We have used the Elke Soil Volume Simulator (<https://www.elkeh.com.au/soils/>) to determine that the proposed growing conditions will support a 'small' tree of this type based on the following criteria:
- Tree Design Size and Height: Small 4-6m in height
 - Climatic growing conditions: Generally suited to the tree species selected.
 - Soil suitability within tree pit: The soil quality is optimal for the tree species selected.
 - Maintenance: For the first 3-5 years suitable fertiliser will be added periodically and supplementary irrigation provided to the soil zone.
 - Lifespan / planting replacement time: Minimal stunting is acceptable and the design life of the tree is 36-99 years.

Based on these criteria the total recommended soil volume is 4.25m³ which we are slightly under. Depending on availability of advanced planting stock for this species the intent is to install these trees at a height of 3-4m allowing them to reach their intended 4-6m height at maturity.

TR-01



Corymbia maculata

APPIAN WAY TREES (IN DEEP SOIL)

Trees proposed along Appian way include 11 no. *Corymbia maculata*. Under ideal growing conditions this species reaches a mature height and spread of 30m x 10m. The trees will be planted in either a individual or a continuous soil trenches 1.2m in depth running between the building foundation and the existing stormwater culvert. The paving system above the soil trench will be supported by strata vaults providing the 7 central trees with a shared soil volume of 35.4m³ per tree or 248m³ combined. With a continuous vault tree roots can share this volume and intertwine giving an effective soil volume of approximately 45m³ per tree.

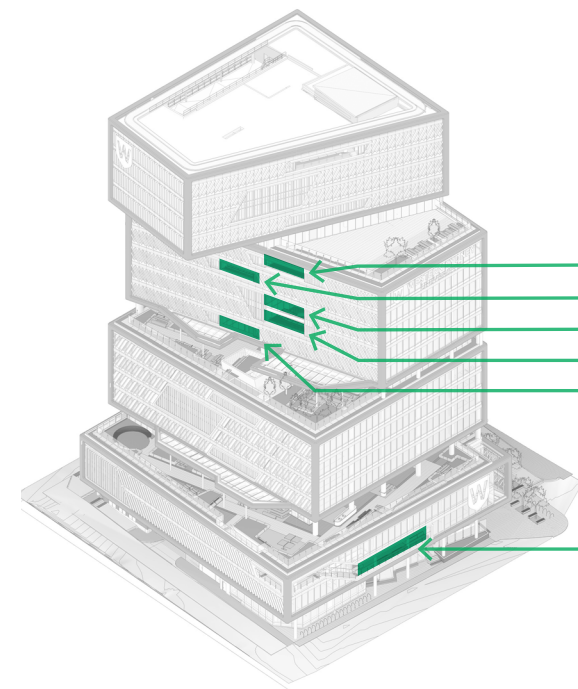
- We have used the Elke Soil Volume Simulator (<https://www.elkeh.com.au/soils/>) to determine that the proposed growing conditions will support a 'tall and wide' tree of this type based on the following criteria:
- Tree Design Size and Height: Tall and wide tree with canopy of 14m+ and height of 8m+ at 15-20yrs
 - Climatic growing conditions: Generally suited to the tree species selected.
 - Soil suitability within tree pit: The soil quality is optimal for the tree species selected.
 - Maintenance: For the first 3-5 years suitable fertiliser will be added periodically and supplementary irrigation provided to the soil zone.
 - Lifespan / planting replacement time: a full size mature tree is expected with a long design life of 100+ years.

Based on these criteria the total recommended soil volume is 28.90m³ which will be exceeded.

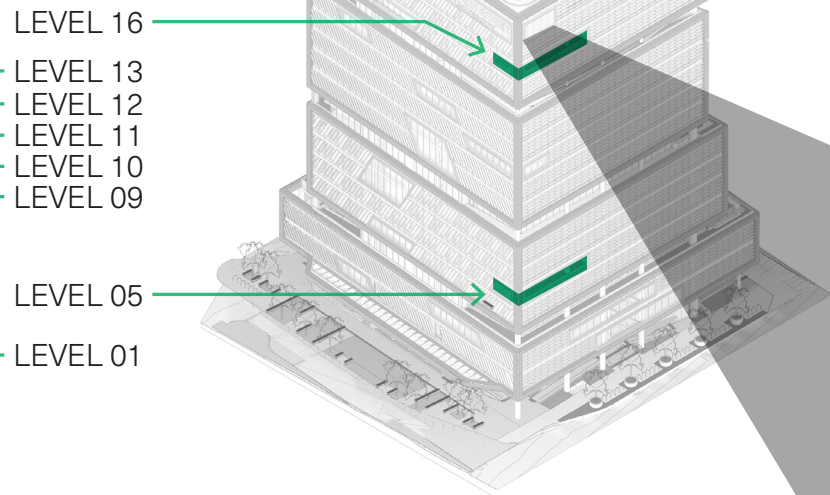
2. Balconies & Library Courtyard

Balconies - Design Objectives & Proposal

SOUTH WEST ELEVATION



NORTH EAST ELEVATION



LANDSCAPE LEGEND

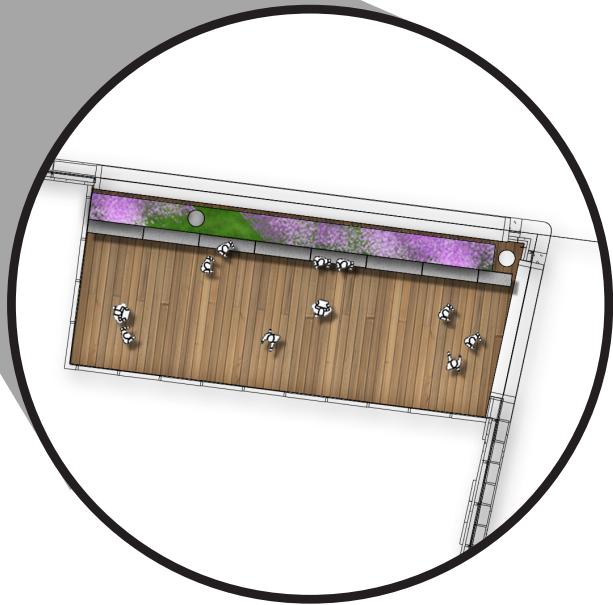
- Stone paving (Type A & B)
- Timber decking
- Planting
- Fixed bench

REFER TO LANDSCAPE DOCUMENTATION AND MATERIALS SELECTION SCHEDULE FOR FURTHER INFORMATION

INHABIT, STUDY, MEET & CREATE



Balconies create intimate textual spaces that encourage learning collaboration



TYPICAL BALCONY

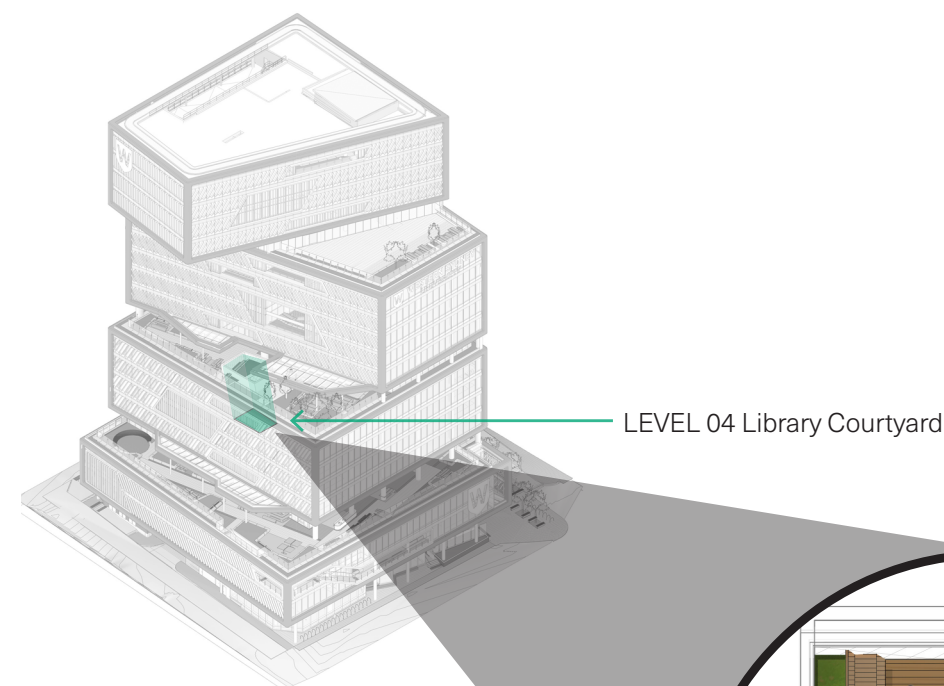
DESIGN NOTES

Balconies provide pocket node of activation for breakout and study and meeting for small groups of 2 – 6 people.

- Allowance will be made for 2-phase power to facilitate the charging of laptops and phones while Timber decking provides warm textural spaces for Students and visits to inhabit

Level 04 Library Courtyard - Design Objectives & Proposal

SOUTH WEST ELEVATION

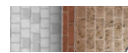





DESIGN NOTES

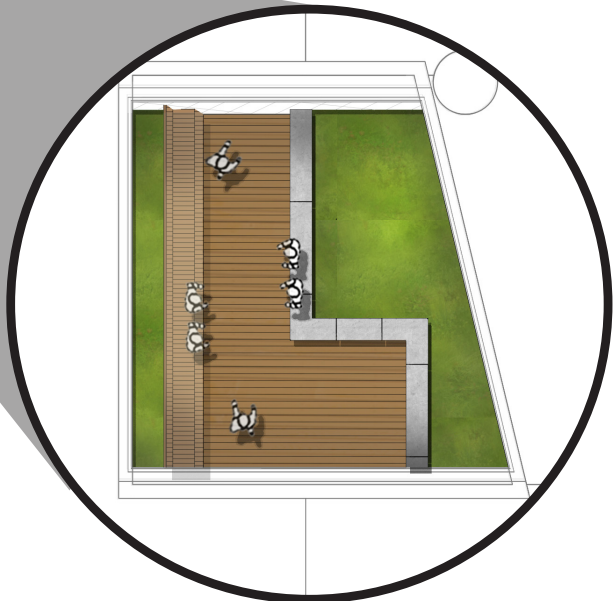
Level 04 Library Courtyard brings a sense of green and light to the heat of the building. The inhabitable space invites students to study and occupy the courtyard. The visual sense of green connects the Library to the Level 08 Learning Terrace providing a green link to all floors between.

- Allowance will be made for 2-phase power to facilitate the charging of laptops and phones
- Vertical planting requires specialist grow lights to ensure the success of the vegetation.

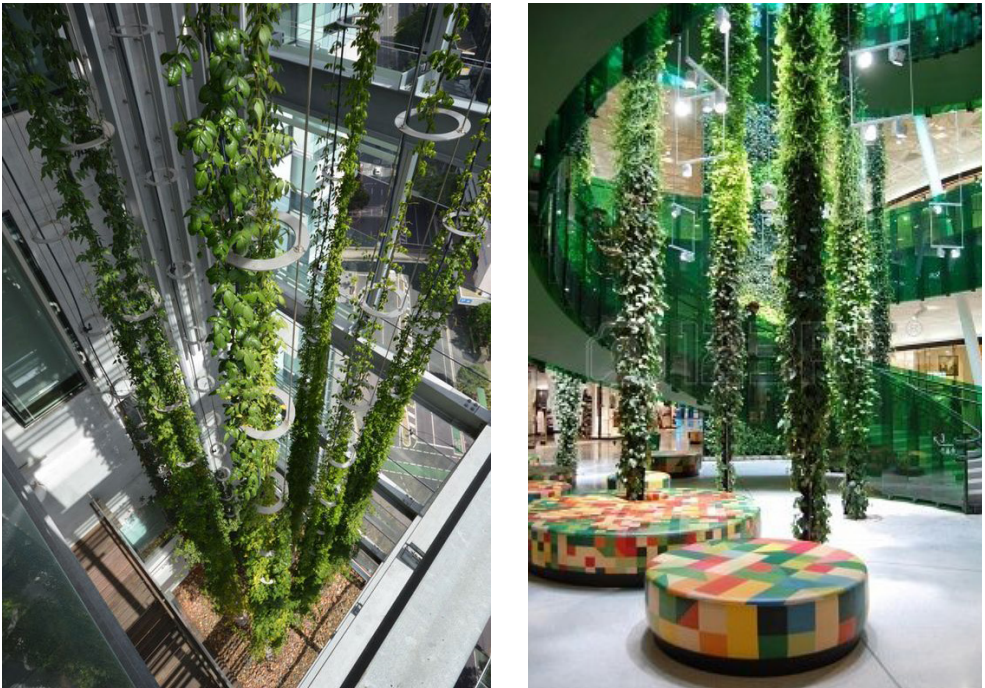
LANDSCAPE LEGEND

-  Stone paving (Type A & B)
-  Timber decking
-  Planting
-  Fixed bench

REFER TO LANDSCAPE DOCUMENTATION AND MATERIALS SELECTION SCHEDULE FOR FURTHER INFORMATION



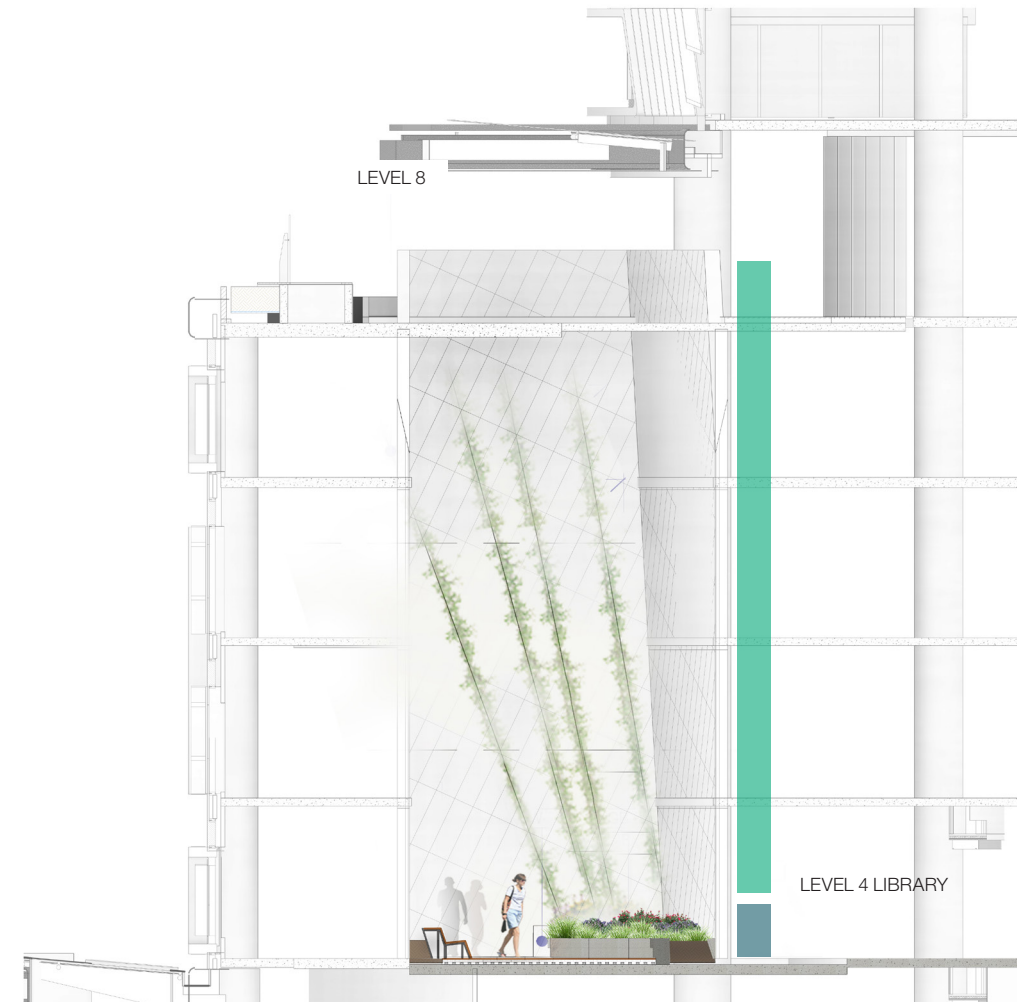
LEVEL 04 LIBRARY COURTYARD



Vertical green elements bring a sense of green and light to the heart of the building

Level 04 Library Courtyard - Design Objectives & Proposal

ILLUSTRATIVE SECTION



REFER TO LANDSCAPE DOCUMENTATION
AND MATERIALS SELECTION SCHEDULE
FOR FURTHER INFORMATION

GB-08

VERTICAL GREENING - CLIMBERS (ON VERTICAL TENSION WIRES)



Cissus antarctica

Kangaroo Vine



Pandorea jasminoides
'Lady Di'

Pandorea (White
flower)



Trachelospermum
jasminoides

Star Jasmine

GB-02

AMENITY PLANTING - LOWER LIGHT AREAS



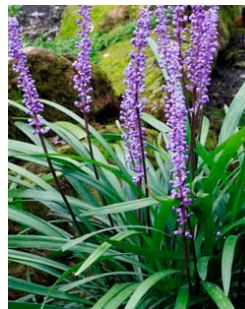
Ajuga reptans
'Catlins Giant'

Bugle



Heuchera micrantha
'Palace Purple'

Coral Bells



Liriope muscari
'Amethyst'

Liriope

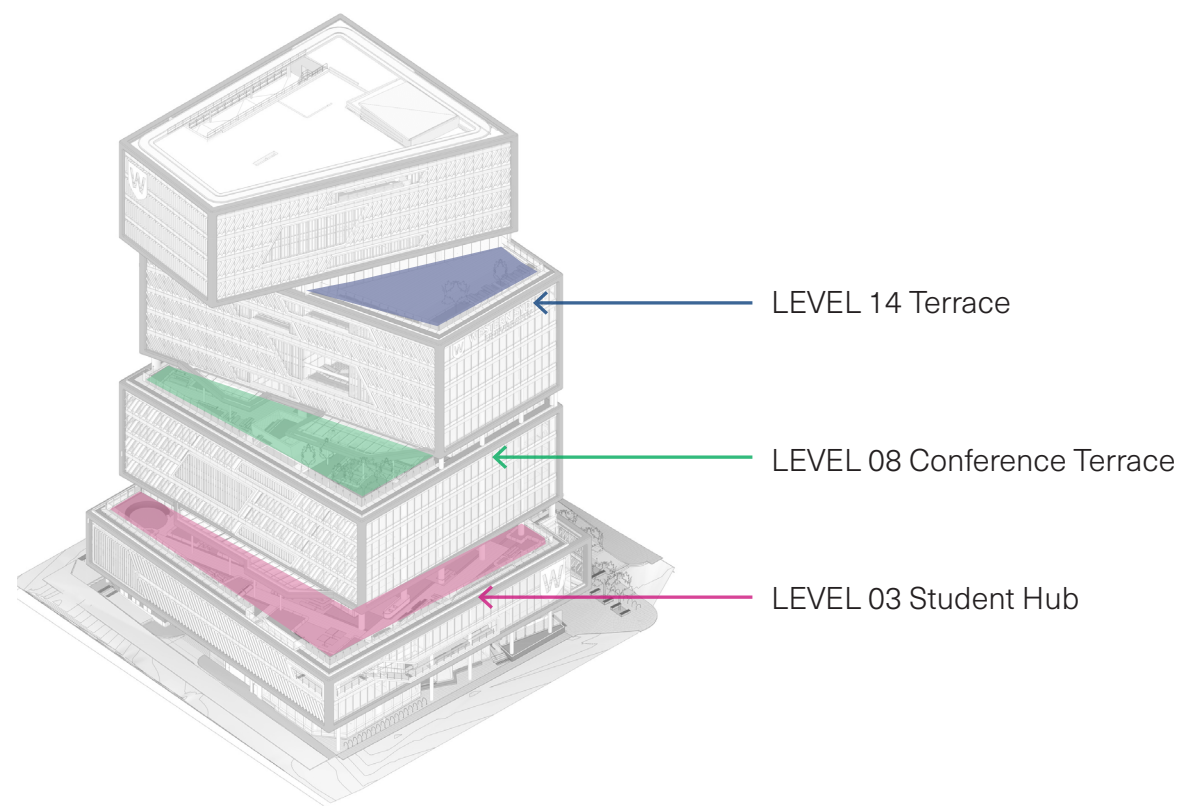


Philodendron
'Xanadu'

Xanadu

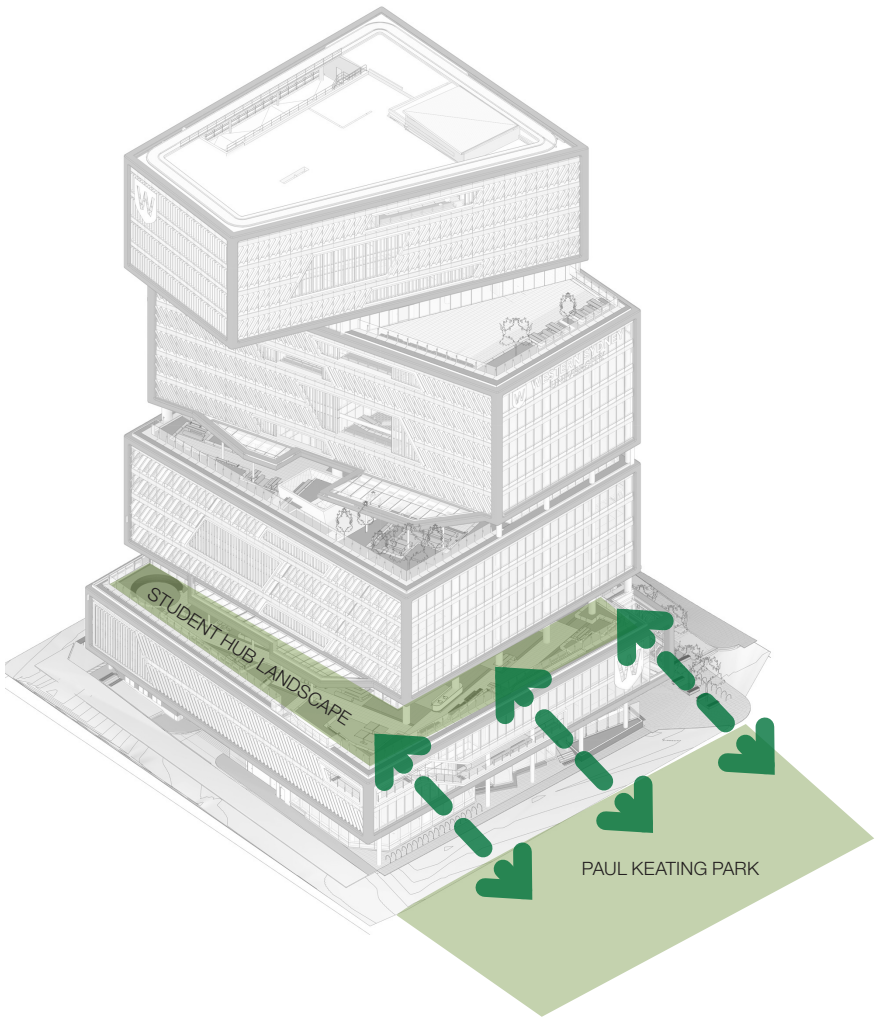
3. Terraces

TERRACE LOCATIONS



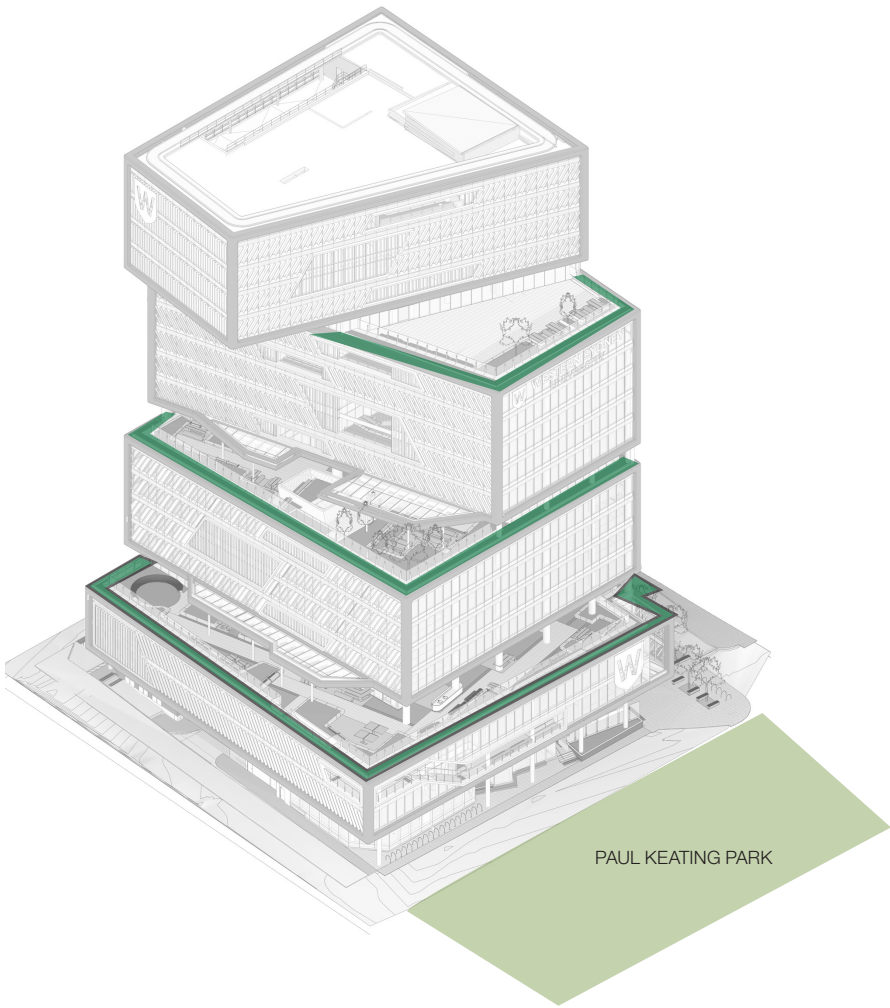
Vertical Greening Strategy - Landscape Design Objectives

SOUTH WEST ELEVATION



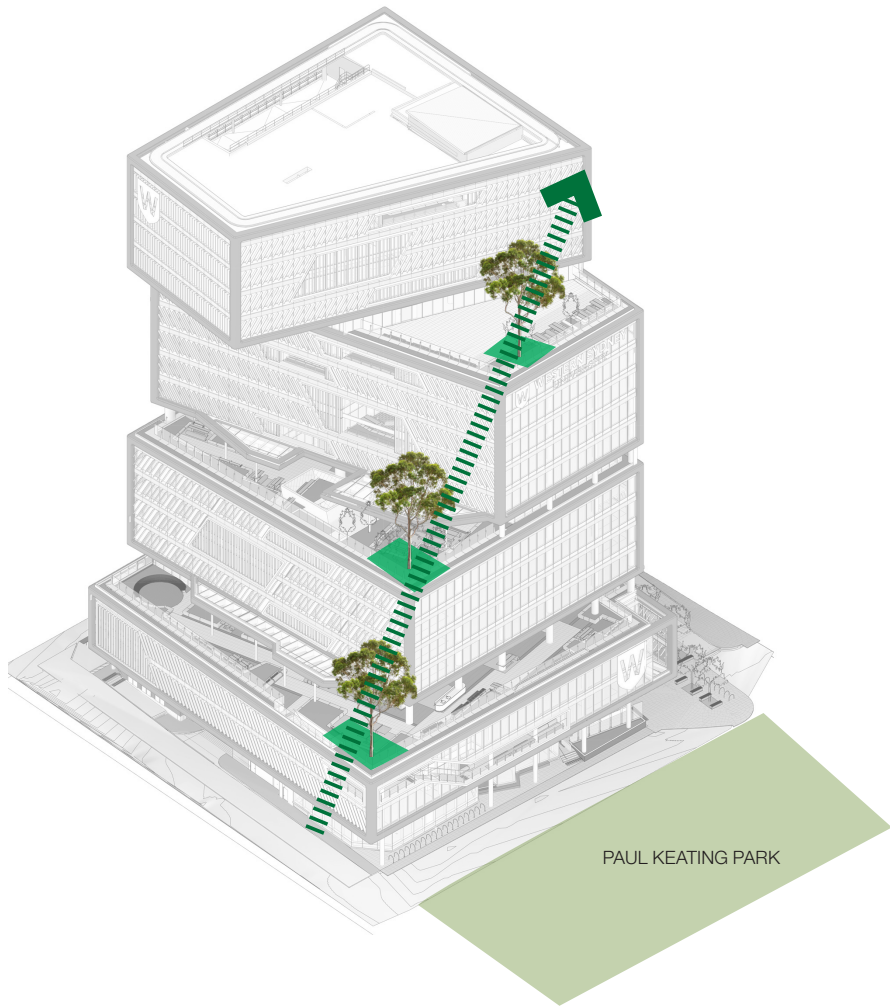
DESIGN NOTES

- Student Hub provides visual green connection to Paul Keating Park



DESIGN NOTES

- Green Edge provides vertical sense of green
- Connects building to park
- Allowance has been made in the structural slab for set-down and loading of garden bed
- Allowance has been made for irrigation & maintenance
- Planting species will be specifically chosen to site conditions including light

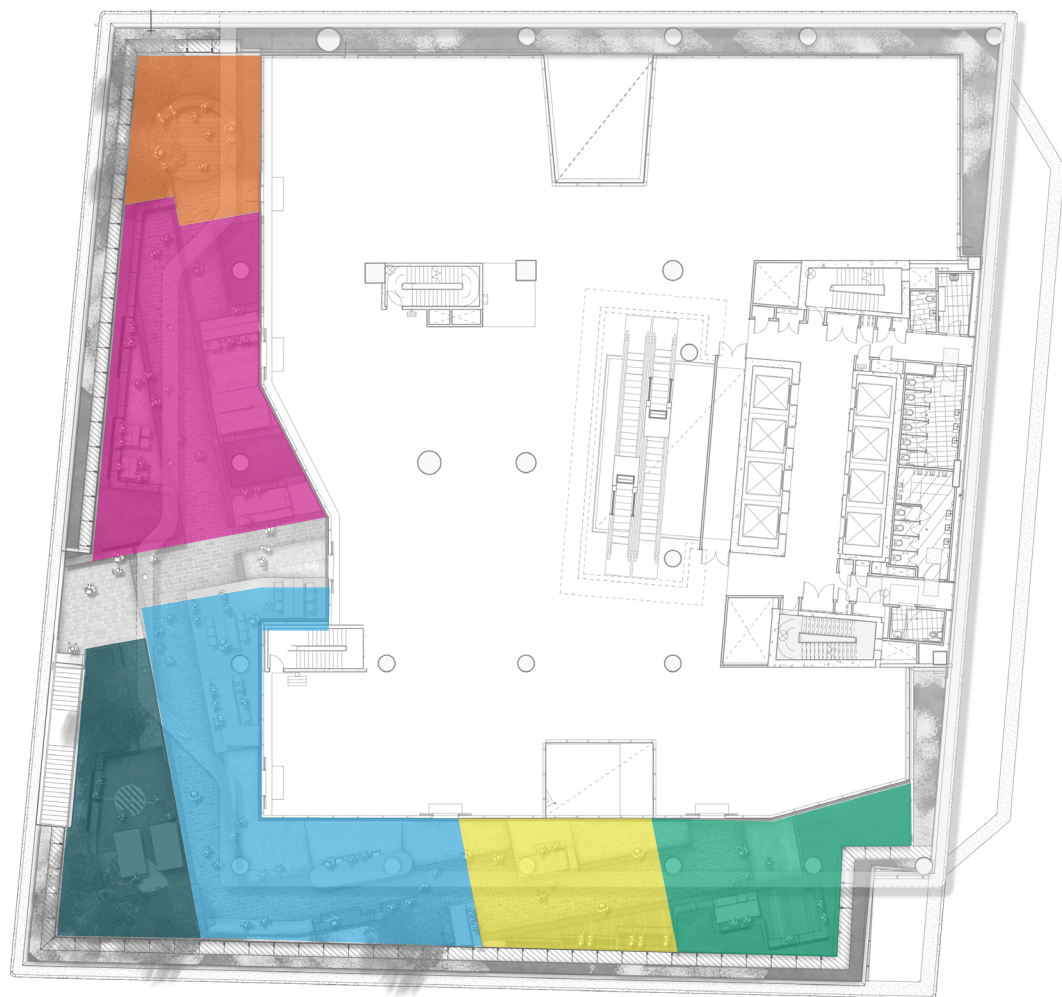


DESIGN NOTES

- Trees anchor each terrace
- Allowance has been made in the structural slab for set-down and loading of each tree and soil volume required
- Allowance has been made for irrigation & maintenance
- Anchor trees help to mitigate wind

Level 03 Student Hub - Landscape Design Objectives

LANDSCAPE TYPOLOGIES



DESIGN NOTES

Indigenous Space AD Badanami, possible Yarning Circle, design to be further developed with input and engagement from WSU Indigenous Representatives.

Study Zone for medium to large groups provides equal amenity to internal space. Allowance for 2-phase power points and fixed furniture elements. Furniture arrangements encourage learning and collaboration in small to medium groups. This space is multi-use and provides space for medium - large events and University showcase.

Social Dining Zone has a relationship to internal kitchen and dining spaces. There is opportunity for large dining tables which have internal/external relationship. Varying arrangement of fixed furniture elements cater for small to large social gatherings and encourage interaction between students.

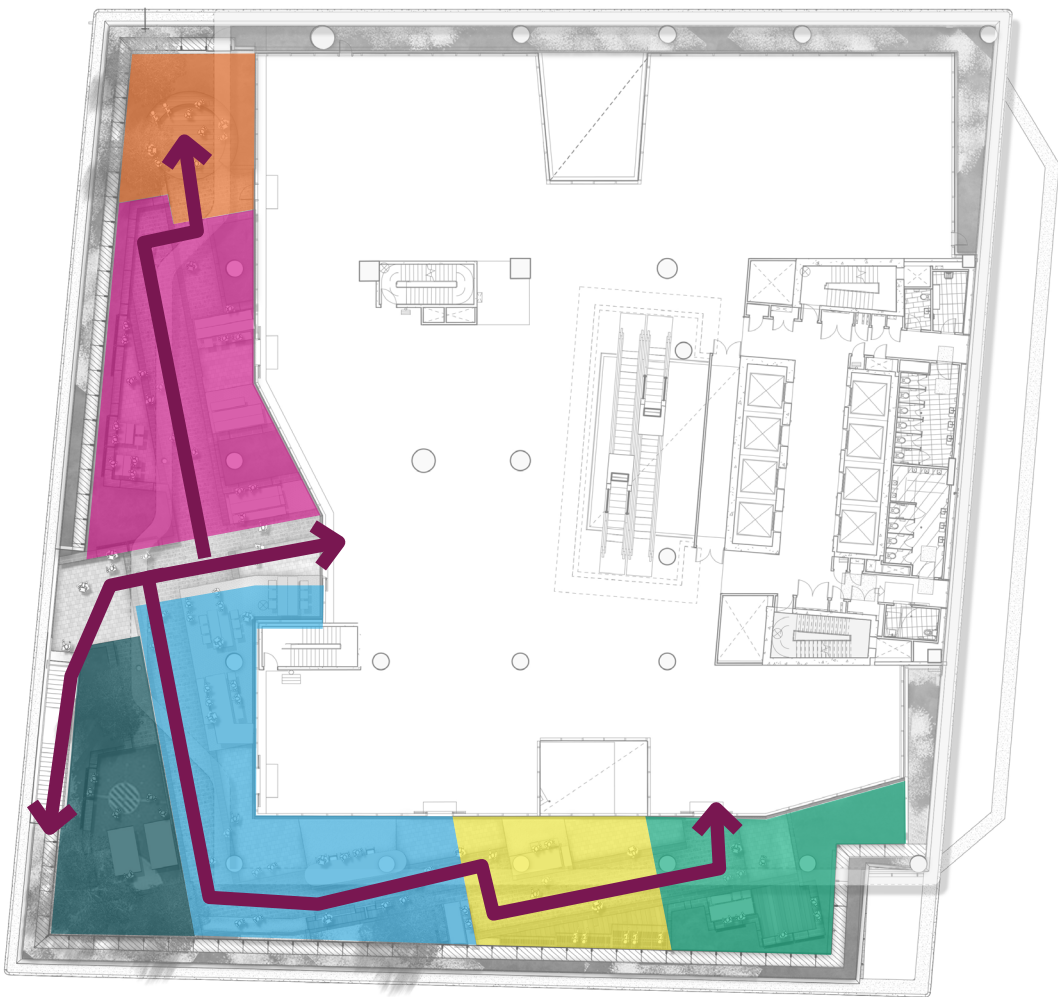
Recreation Zone. Prescribed recreation including table tennis. Bold super-graphic to include games and activities to ensure this space is vibrant and interactive. Recreation Zone includes vegetable garden and inbuilt storage for student union to store garden tools.

Movie Zone, large timber platforms form low seating for relaxed movie viewing. Opportunity for small presentations and University showcase on the pull-down movie screen. This space functions as a relaxed space for students when not in use for screenings.

Tech and Gaming Zone. This zone has a relationship the internal use. Furniture elements are curated to provide spaces for card games, board games and tech games to be played in small to medium groups. This space will have high amenity in terms of access to power, Wi-Fi and digital activation

Level 03 Student Hub - Landscape Design Objectives

THOROUGHFARE SPINE



DESIGN NOTES

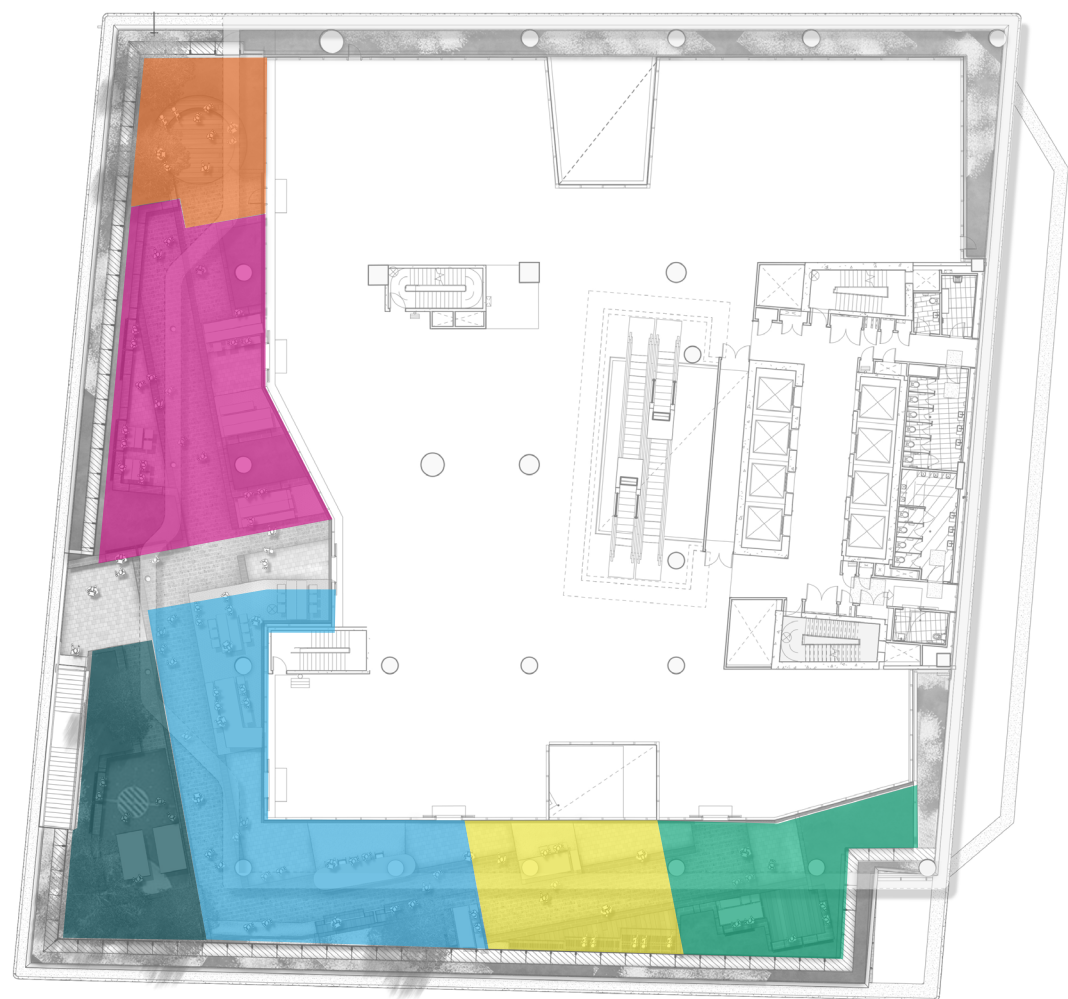


Thoroughfare space forms a strong spine through the Student Hub. This spine links zones, providing clear access and connecting the different uses into one cohesive space.

The Thoroughfare Spine will be indicated with a change in material to visually connect external spaces.

Level 03 Student Hub - Landscape Design Proposal

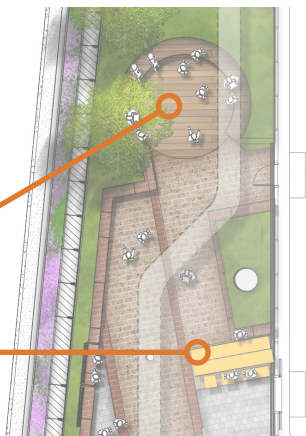
FURNITURE AND MATERIALITY



INDIGENOUS SPACE

Opportunity for Yarning Circles and other indigenous engagement opportunities. To be coordinated and collaborated with WSU indigenous representatives.

Dedicated learning space



GROUP STUDY AND EVENT ZONE

2-phase power allowance built in to furniture elements.

Open space allows for medium – large events, group activities and University show-case



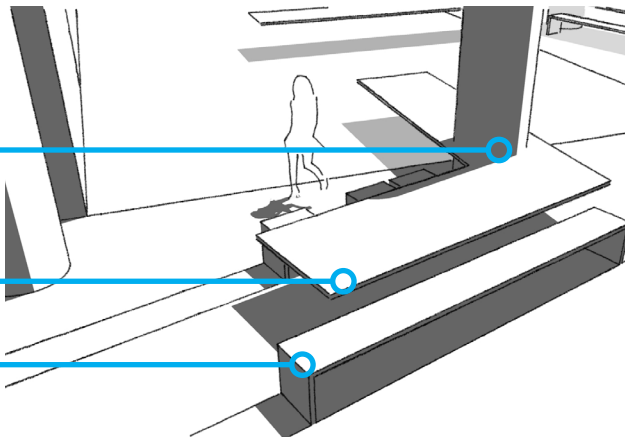
Level 03 Student Hub - Landscape Design Proposal

DINING ZONE

Furniture elements integrated to columns to make best use of space.

Opportunity for large tables to have internal/external relationship.

Inbuilt seating



MOVIE ZONE

Low timber seating for relaxing and movie viewing.

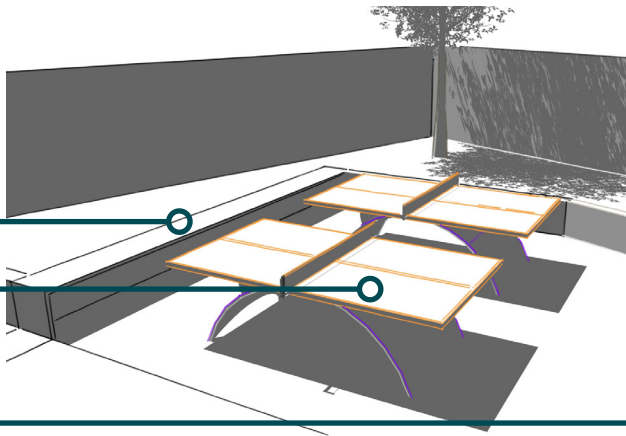


RECREATION ZONE

Inbuilt storage to underneath seating elements

Table tennis

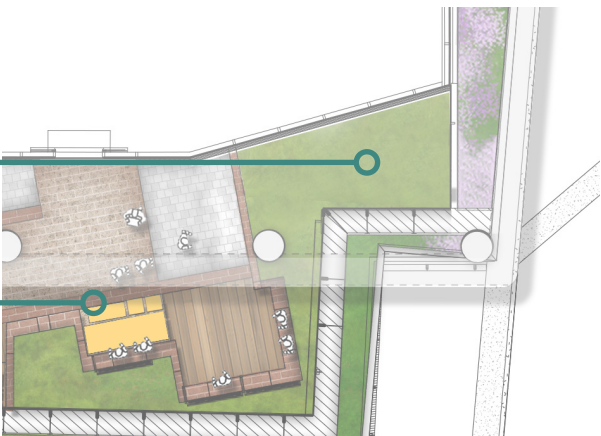
Super-graphic with interactive games and activities



GAMING AND TECH ZONE

Gaming tables for small groups
2-4 people

Gaming tables for medium
groups 8-12 people



Level 03 Student Hub - Landscape Design Proposal - Planting 1 of 2

PLANTING SPECIES TYPOLOGIES



REFER TO LANDSCAPE DOCUMENTATION
AND MATERIALS SELECTION SCHEDULE
FOR FURTHER INFORMATION

GB-03

AMENITY PLANTING ON STRUCTURE



Acacia baileyana
'Prostrate'
Cootamundra
Wattle



Acorus
gramineus 'Ogon'
Japanese Rush



Banksia spinulosa
'Birthday Candles'
Hairpin Banksia



Goodenia ovata
'Gold Cover'
Hop Goodenia



Phormium
'Black-Velvet'
New Zealand Flax



Phormium
'Yellow Wave'
New Zealand Flax

GB-04

GREEN EDGE PLANTING



Acacia cognata
'Mini Cog'



Casuarina-glaucous
'Cousin It'



Dianella 'Little Jess'



Myoporum
parvifolium



Senecio
mandraliscae



Westringia fruticosa

GB-05

INDIGENOUS PLANTING



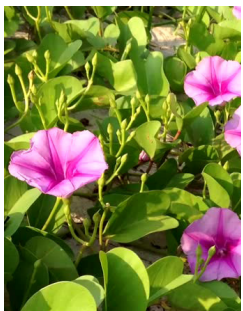
Melaleuca alternifolia
Tea Tree



Eremophila sp.
Emu Bush



Ficus opposita
Sandpaper Fig



Ipomoea pes-caprae
Goats Foot

Note: Indigenous planting selection will be collaborated with WSU indigenous representatives. Planting selections to have cultural, medicinal or historic significance.

Level 03 Student Hub - Landscape Design Proposal - Planting 2 of 2

PLANTING SPECIES TYPOLOGIES



REFER TO LANDSCAPE DOCUMENTATION
AND MATERIALS SELECTION SCHEDULE
FOR FURTHER INFORMATION

GB-06

STUDENT VEGETABLE AND HERB GARDEN



Mixed Seasonal Veggies



Citrus × meyeri

Dwarf lemon Tree

TR-02

TREE ON STRUCTURE - ANCHOR TREE SPECIES



Brachychiton acerifolius

Illawarra Flame Tree
(Level 08)



Lophostemon confertus

Queensland Brush Box
(Level 03)

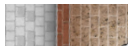
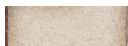










Agonis flexuosa

Willow Myrtle
(Level 14)

Level 03 Student Hub - Landscape Design Proposal

LANDSCAPE LEGEND

-  Stone paving (Type A & B)
-  In situ concrete paving
-  Paving banding
-  Timber decking
-  Planting
-  Anchor tree (large), shrubs
-  Fixed high bench
-  Fixed meeting table
-  Fixed bench
-  Super-graphic

REFER TO LANDSCAPE
DOCUMENTATION AND MATERIALS
SELECTION SCHEDULE FOR
FURTHER INFORMATION



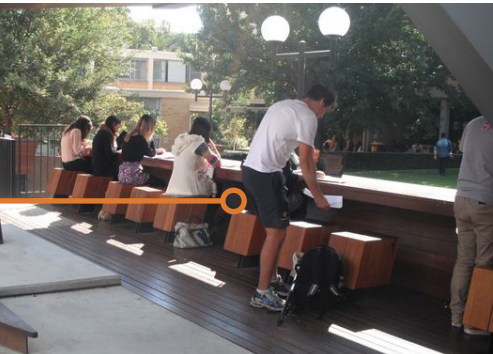
Level 08 Conference Terrace - Landscape Design Proposal

LANDSCAPE TYPOLOGIES



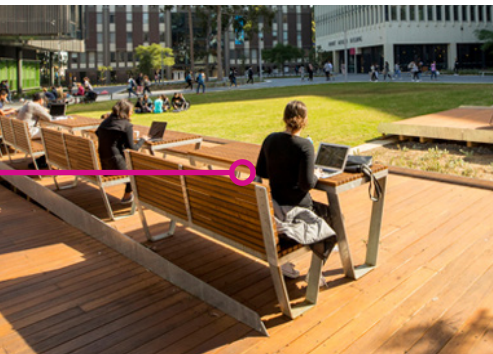
SMALL GROUP GATHERING

Groups of 1-2 people
Facing toward view or void



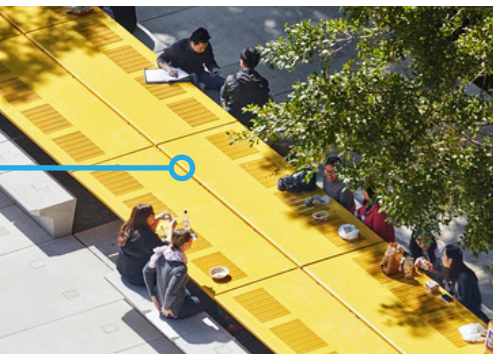
MEDIUM GROUP GATHERING & MEETINGS

Groups of 4 - 8 people



LARGE GROUP GATHERING & MEETINGS

Groups of 4-20 People



Level 08 Conference Terrace - Landscape Design Proposal

LANDSCAPE LEGEND

- Stone paving (Type A & B)
- In situ concrete paving
- Paving banding
- Timber decking
- Planting
- Anchor tree (large), shrubs
- Fixed high bench
- Fixed meeting table
- Fixed bench

REFER TO LANDSCAPE
DOCUMENTATION AND MATERIALS
SELECTION SCHEDULE FOR
FURTHER INFORMATION

ILLUSTRATIVE PLAN



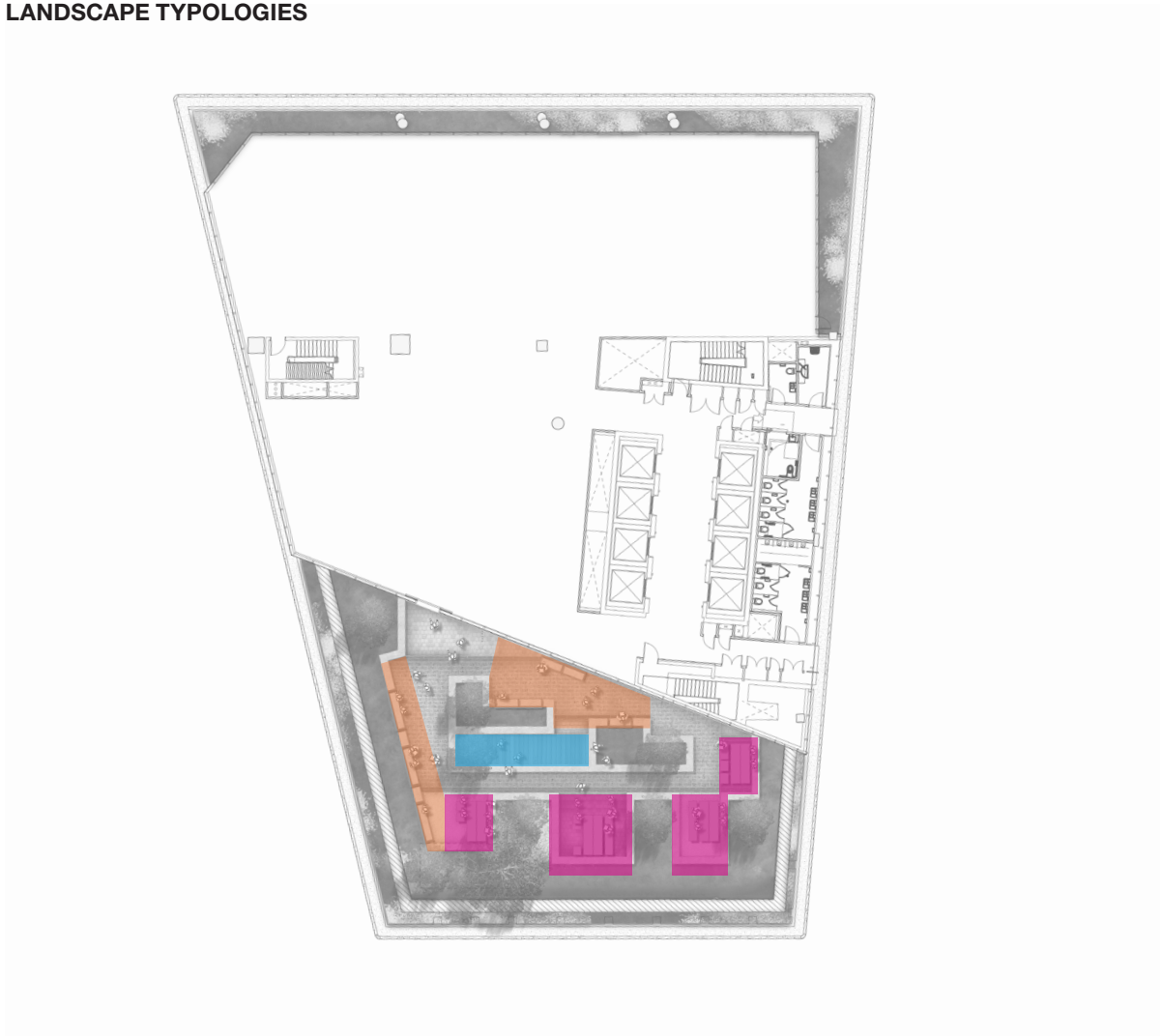
DESIGN NOTES

Level 08 Conference Terrace has been designed for group gathering and collaboration. A dynamic selection of fixed seating and tables activate the design and invite discussion in small to large groups. Opportunity exists for gatherings and meetings to be held in the larger space of the terrace. Most importantly the terrace has been designed to be multi-use and has a strong relationship to the internal programme. Focus for the Conference Terrace Design has been to ensure a green outlook providing a high visual amenity for patrons and/or students using Conference Terrace and internal facilities.

- Allowance has been made for 2-phase power to facilitate the charging of laptops and phones on the terrace
- Most of the terrace is paved with stone pavers ensuring high durability and low maintenance
- Timber decking spaces provide warm textural nooks in less trafficable parts of the terrace
- Anchor tree links Learning Terrace to terraces above, below and Paul Keating Park
- Allowance has been made in the structural slab for set-down and loading of the anchor tree
- Allowance has been made for irrigation & maintenance
- Planting species will be specifically chosen to site conditions including light

Level 14 Terrace - Landscape Design Proposal

LANDSCAPE TYPOLOGIES



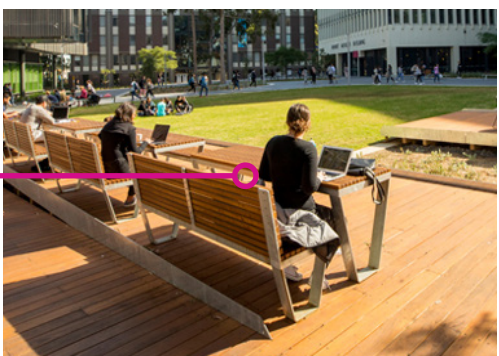
SMALL GROUP GATHERING

Groups of 1-2 people



MEDIUM GROUP GATHERING & MEETINGS

Groups of 4 - 8 people



TIMBER DECKING PLATFORM

Low timber decking for informal occupation



Level 14 Terrace - Landscape Design Proposal

LANDSCAPE LEGEND

- Stone paving (Type A & B)
- In situ concrete paving
- Paving banding
- Timber decking
- Planting
- Achor tree (large), shrubs
- Fixed high bench
- Fixed meeting table
- Fixed bench

REFER TO LANDSCAPE DOCUMENTATION AND MATERIALS SELECTION SCHEDULE FOR FURTHER INFORMATION

ILLUSTRATIVE PLAN



DESIGN NOTES

Level 14 Terrace has been designed for conference spill out and informal meetings, the terrace has a strong relationship to the internal programme. Focus for the Conference Terrace has been to ensure a green outlook for students and visitor alike.

- Anchor tree links Learning Terrace to terraces above, below and Paul Keating Park
- Allowance has been made in the structural slab for set-down and loading of the anchor tree
- Allowance has been made for irrigation & maintenance
- Planting species will be specifically chosen to site conditions including light
- Timber decking platform