UNSW Western Carpark Development Application

Prepared for





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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.



Table of Contents

Analysis

Analysis
Regional Context
Place Character
Site Character
Site Interfaces
Western Existing Interface
Northern Existing Interface
Eastern & Southern Existing Sections
Day Ave Existing Sections

Vision

07

Place Objectives Learning from Other Precincts Design Principles Key Moves
Open Space Typology Design Response
Opportunities
Design Response Strategy

Landscape Concept

	Landscape Concept		Landscape Rooftops	
15 16 17 18 19 20 20 21 21	Concept Landscape Masterplan Designing with Country Moves Public Domain Typology Arrival Plaza Civic Lawn / Activation Stategy NIDA Laneway Eat Street Sensory Garden Greenway / Activation Strategy Regiment Interface Soil Depth	 23 23 24 25 28 31 32 33 35 37 39 40 42 	Rooftop Strategy Design Principles Programming Landscape Narrative Concept Landscape Masterplan Roof Terraces Natural Amenities Day Activation Strategy Level 1 Rooftop - Building A Level 1 Rooftop - Building A Level 1 Rooftop - Building B Level 1 Rooftop - Building B Level 1 Rooftop - Building A Level 1 Rooftop - Building A Level 1 Scooftop - Building A Level 15 Rooftop - Building A	44 45 46 47 47 48 49 50 51 54 57 60 63 65
			Green Roof Strategy Inaccessible Green Roofs Inaccessible Green Roofs	66 66 67
			Appendix Drawing for DA Submission	69 69





Analysis **Regional Context**

The Iglu UNSW accommodation site is located 12minute drive from Sydney CBD on Anzac Parade, Kensington. The project aims to develop the character of the area and existing streetscape while developing the landscape on site of Iglu UNSW accommodation buildings and rooftops.

University of New South Wales is located on western side of the proposed student accommodation site. There are several other student accommodation properties within a 2km radius of UNSW. The proposed site, being situated on the light rail line provides viable accessibility options to the university.







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Analysis Local Context

The site sits opposite of the western entrance of the UNSW Kensington Campus. The site is bounded by ANZAC parade on the eastern side and Day Avenue to the southern site. Anzac Parade serves as a juncture point for the university with both light rail and bus stop. This brings people in from the city in the North and people from the South in the Eastern Suburbs.

This junction point then directly leads into the University Mall where people attend class and work. The University Mall is the main spine that connects the lower campus to upper campus which boasts a grand perspectival cut through the campus and creates the main identity for the university.

Connecting from the spine is the Roundhouse which is the social hub for the university where students gather to experience music, live events and general student life.

NIDA sits adjacent to the site serving as cultural hub with its leading education in the performing arts as well as regular showcases put on by the students.

On the opposing side of the site is pre-existing university accommodation as well as student housing along High Street.

KEY	
1001	IGLU UNSW ACCOMMODATION SITE
	UNSW CAMPUS
	UNSW GREEN SPACES
L	LIGHT RAIL STOP
В	BUS STOP





Analysis Place Character

Urban Campus Living



ANZAC Parade

ANZAC Parade is one of the main roads that connect the city to the Eastern Suburbs and is home to significant transport infrastructure being the light rail and the bus network. There is both a light rail and bus stop that brings students and staff to the campus.

University Mall

The University Mall is a long, paved stretch that cuts through the university connecting both lower and upper campus. The mall is a large part of the universities identity as it serves as the main spine from which paths eventually lead back to. As a result, it is constantly filled with people making their way through the throughfare.

UNSW Roundhouse

The UNSW Roundhouse is the main social hub for the university that hosts regular events and gigs for students. Lots of students gather in the space to socialise with friends in its relaxing beer garden and listen to the local talent that regularly performs. The UNSW Roundhouse hosts a variety or larger acts that attracts large amounts of people attending its various shows.

University Terrace

The University Terrace is a host to several restaurants where people come to eat and drink on lower campus. The space also functions as a social meeting place. NIDA is the leader in performing arts education within Australia and is a main cultural hub in the area.

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NIDA



Analysis Site Character

Streetscape

Vegetation



The site is currently a flat open carpark with very little canopy cover. The only vegetation on the site are some shrubs along the edges of the carpark and a tree line in the background.

The University Mall abruptly comes to and end when it meets ANZAC Parade where the crossing intercepts the light rail stop. There is no visual flow from one side of the road to the other.

In order to enter the site, there are three main points which include a path adjacent to NIDA, a path adjacent to New College Village and vehicular access to the carpark from Day Avenue.

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Analysis **Site Interfaces**

The site is bounded with key land uses along Anzac Parade corridor including the following interfaces:

- / Northern Interface The National Institute of Drama and Arts (NIDA). The interface consist of multiple practice rooms, doors, fire escape and servicing access and loading zone.
- / Western Interface Adjacent low density residential. There is an average 2-3 metres drop in level from the site for this interface including a buffering vegetation, residential fencing and setbacks to their backyards.
- / Southern Interface UNSW Regiment and New College Post Graduate Village. This includes an access to UNSW Regiment, approximately 1m drop in level to UNSW Regiment, fencing and landscape buffer along New College Post Graduate Village.
- / **Eastern Interface** Predominantly the existing streetscape including 2 existing bus stops, a light rail stop and UNSW campus main boulevard.

The following pages depicts our site observation and audits during our site visit.





March 2024 | Issue |



5

Analysis Western Existing Interface





Existing Buffer Planting



Change of Levels

SECTION A 1:500









Analysis Northern Existing Interface





SECTION C

1:500

NIDA South Entry

Existing NIDA Vehicular Access





 1.7M
 4.3 M

 Carpark
 Kerb
Planting







5.7м Shareway Zone

NIDA



Analysis Eastern & Southern Existing Sections





Entry of Postgraduate Village

Existing Signalised Crossing



Change of Levels at UNSW Regiment







Existing Car Parking

Convenience Store

Buffer Zone

Car Park

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Northern side of Postgraduate Village



Analysis Day Ave Existing Sections







Existing Connection to Day Ave



Existing Day Ave





Postgraduate Village





Vision **Place Objectives**

What makes a great Place?

EQUALITY



A Village Campus with Variety of Open Space and Public Domain Offerings

The village campus is informed by an urban structure that weaves into a series of open space typologies offering different interface and activation experience for future residents.

COMMUNITY

Communal Gathering Space for Residents to Gather & Recreate

The village breaks into a few communal gathering space and communal roof terraces that allow for some overlook over the public domain area providing natural surveillance. These spaces will offer future residents to gather and recreate.

CIVIC

Celebrate Arrival & Create Civic Gesture

As the doorstep to UNSW campus, NIDA and neighbouring institutions, the site presents an arrival experience to the existing light rail and bus stops. This arrival experience can best be represented with a civic lawn that opens to the streetscape and entice the urban dwellers to gather.

CONNECTED

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Vision Learning from Other Precincts

Create a Civic Gesture









Celebrate Urban Campus Living









Vision **Design Principles**







DAY AVE

Celebrate Arrival & Create Civic Gesture

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A Village Campus with Variety of Open Space and Public Domain Offerings

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DAY AVE

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Vision **Key Moves**









Celebrate the University Malls Axis with a vibrant plaza space Mirror and support UNSW's green infrastructure

Provide covered access

Create food and beverage amenity



Reinforce the plaza with public furniture and amenity



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Vision Open Space Typology



Outdoor Dining Experience



Sensory Garden Pods



Flexible Space for Gathering





Civic Lawn



Informal Meeting Space



Urban Canopy for Outdoor Dining

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Design Response **Opportunities**

The site presents significant place opportunities given to it's location as the doorstep to the UNSW campus and adjacent institutions.

Key opportunities for the site include:

- / Create a civic gesture that will enhance the arrival experience and greet people as they arrive at the site;
- / Extend the University Mall into the site and enhance the main sight line;
- / Provision for fine grain experience at the ground floor activated with dining, cafe and retail experience;
- / Create amenity that suits campus urban living for students to gather after classes and during break time.
- / Provide breakout area and increase amenity for student through Green Lane and Sensory Garden



KEY

9

PEDESTRIAN ACCESS VEHICULAR ACCESS TO BASEMENT ► → SHAREWAY / SERVICES **CIVIC LAWN** 1 2 EAT STREET 3 **ARRIVAL PLAZA** ENTRANCE TO BASEMENT 4 5 GREEN LANE 6 LANEWAY 7 STREETSCAPE 8 SERVICING LANE LANDSCAPE BUFFER PLANTING 10 PEDESTRIAN PATH 11 SENSORY GARDEN 12 THE UNIVERSITY MALL

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Design Response **Strategy**

Affected Vegetation

Ground Floor Activation





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KEY



EXISTING STREET TREES TO BE REMOVED

EXISTING BUFFER VEGETATION TO BE RETAINED

PROPOSED TREES









03 LANDSCAPE CONCEPT



Concept Landscape Masterplan





10

20m



Concept **Designing with Country Moves**





PASS DOWN KNOWLEDGE

/ Transition onto main campus to recieve knowledge / Spaces for knowledge to be passed down



PLACES FOR CEREMONY AND CELEBRATION

/ Spaces to gather and meet as a community



DUNES

BLOOMING CYCLES / Symbols of time of year and what is to come



VEGETATION GRADATION

/ Transition from swamp to coast with vegetation



Public Domain Typology Arrival Plaza

The arrival plaza will be the first arrival point from the University Boulevard. It responds to the existing pedestrian flow of the signalised crossing and acts as a transitional space for urban dwellers to wait for the next public transport or to roam into the precinct.

Plan



KEY

2

1

CONTINUATION OF THE UNIVERSITY MALL PLANTING BED WITH SEATING WALL





5



ARCADIA

Public Domain Typology Arrival Plaza

Section A



Planter Seat Wall

Path

Planter Seat Wall

The University Mall













Public Domain Typology **Arrival Plaza**



Section **B**



New College Postgraduate Village

Path

Planter Seat Wall

The University Mall







Lawn



The civic lawn aims to create a civic forecourt to the precinct. The lawn itself is envisaged to be framed with seating lounger that will act as the barrier to the aim streetscape along Anzac Parade.

Plan





KEY

- 1 CIVIC LAWN
- 2 SEAT LOUNGE
- 3 ALFRESCO
- 4 SEATING WALLS AND ACCESS PATHS











Section C



Path

Civic Lawn





Path

Section D



Path Alfresco

Civic Lawn

Seating lounge + bench

Bus Stop





Anzac Parade



Activation Stategy









Afternoon











LOUNGING



PICNI PLAY





Public Domain Typology **NIDA Laneway**

NIDA Laneway promotes premeability between the precinct and the NIDA building. The Laneway is envisioned to be activated with student space and groundfloor retail activation.

SECTION J





0.5

1:50 @ A3











Public Domain Typology **Eat Street**

The Eat Street activates the site with a series of F&B services and an open outdoor dining experience.

PLAN











30

Public Domain Typology **Eat Street**



0.5







Public Domain Typology Sensory Garden

The Sensory Garden is design to provide breakout space to the students designed with seatings and tables.

PLAN





Sensory Garden with Featured Structure









Seating

Public Domain Typology Sensory Garden










Public Domain Typology Greenway

The Greenway is a linear space for students to recreate and cohabitate with visitors and other students. This space is inspired to improve collaboration and social cohesion amongst the students.

PLAN





Bar Table



Outdoor Gym



Outdoor Lounge



Collaboration Table



Table Tennis





Collaboration Nook



Public Domain Typology **Greenway**







1:1000 @ A3 0 5 10 20 30 40m IGLU Anzac Parade, Kensington| DA | Project No. 21-785

38

1 2







Public Domain Typology **Greenway**

Activation Strategy



Morning



Afternoon



Evening / Event





1 2



Public Domain Typology **Regiment Interface**

PLAN



SECTION K



SECTION L

1 2

3

4

5







Building



Public Domain Typology **Regiment Interface**



SECTION M



Carpark entry driveway

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ARCADIA

Planting Soil Strategy Soil Depth



KEY

STRATA VAULT TO MAXIMUM SOIL DEPTH

SLAB EXTENT (1000MM DROP DOWN)

STORMWATER INFILTRATION PIT

- DEEP SOIL
- 1000MM
- 500MM





Rooftop Strategy Design Principles



Celebrate Views & Borrowed Landscape Amenity A Balance Of Architecture, Vegation & Canopy Cover Responsive To Environment And Climate Complement Architectural Design Language & Character



Create Variety Of Experiences & Flexible Space For

Programmes



Rooftop Strategy Programming









Passive Programme

- / Breakfast Nook
- / Study Station
- / Informal seating arrangements

Active Programme

- / Social Canopy BBQ integrated in kitchentop / bar
- / Lounge Area / Outdoor Rooftop Bar (afternoon/sunset/after dark)
- / Programmable Deck & Lawn Exercise / yoga / flexible space
- / Social Lawn Sunbathing / Stargazing

Semi Active Programme

- / Communal Veggie Garden Productive garden (veggies/fruit trees/ pollinator garden/aquaculture/)
- / Programmable Deck Exercise / yoga / Pilates/ flexible play
- / Social Lawn Sunbathing / Stargazing



/ Outdoor Garden for private and intimate conversation



Rooftop Strategy Landscape Narrative

The site is located centrally between the two major bay areas of Sydney Harbour and Botany Bay with a panoramic view across the eastern Sydney coastline.

The different elevations of the various rooftop spaces mimic the different moments within the historical coastal dune with the highest podium ascending above the surrounding urban landscape, providing a visual connection to the Blue Mountains to the far west.

This variation in level replicates the journey through the dunes and provide opportunities to create distinct, playful moments mirroring the various spaces within and above the dunes.

EXPOSED & TERESTRIAL

ESCARPMENT

PLANTING



LEVEL 15

RUGGED MOUNTAINOUS LANDSCAPE



3

4

5



Concept Landscape Masterplan Roof Terraces

KEY

COMMUNAL ROOFTOP LEVEL 1
 COMMUNAL ROOFTOP LEVEL 2

3 COMMUNAL ROOFTOP LEVEL 15



1:500 @ A3 0 5 10 15 20m



Rooftop Strategy Natural Amenities



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PREVAILING WIND DIRECTIONS



Rooftop Strategy **Day Activation Strategy**

Iglu UNSW UNSW presents an interesting proposition in terms of its landscape rooftop activation opportunities. Six rooftop spaces are identified as accessible for student to activate as part of their daily activity.

The landscape terraces provide opportunity for students to gather, recreate and learn in addition to internal communal spaces provided across building A, B and C.

The following diagram recognise typical student activities that can be facilitated in the proposed landscape rooftop space. Day activation include: / Flexible space for exercise activities including Yoga;

- / Outdoor social space including barbercue, game nights and lookout bar;
- / Garden rooms with various sizes to allow for small to medium group gathering. These rooms can be sheltered and weather protected; and
- / Quite contemplative space for students to rest and respite.















 Key ← Site entry ● Balcony edge ■ Building edge 	Size	/ 94m2	Size	/ 19m2
	Aspect	/North-western	Aspect	/ Northern
	Solar Access	/ Late morning-Afternoon	Solar Access	/ Afternoon
	Wind Protection	/ Semi-Sheltered	Wind Protection	/ Sheltered
	Primary Noise	/ Eat street / Community activity room	Primary Noise	/ Eat street / Community activity room





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Design Framework Level 1 Rooftop - Building A



Estimate Capacity / 26-32 People

2 Estimate Capacity / 6-8 People





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Landscape Concept Level 1 Rooftop - Building A



Bar Table
Study/Dining pods
Flexible/Entry Space
Dining Table
Flexible/Loose Furniture

Notes: The landscape design shows indicative furniture layout only









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Soil Depth Diagram Level 1 Rooftop - Building A









Design Framework Level 1 Rooftop - Building B











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Landscape Concept Level 1 Rooftop - Building B



Notes: The landscape design shows indicative furniture layout only



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1:100 @ A3

0 0.5 1



1 2

3

4

5





Soil Depth Diagram Level 1 Rooftop - Building B

Legend

800mm Soil Depth

1100mm Soil Depth



1 2

3

4

5

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Design Framework Level 1 Rooftop - Building C



SCALE: 1:250 @ A3





Service Lane

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1

2

3

4







Landscape Concept Level 1 Rooftop - Building C

Legend



2

Flexible/Entry Space

Bar Table

Notes: The landscape design shows indicative furniture layout only











Soil Depth Diagram Level 1 Rooftop - Building C

Legend

1100mm Soil Depth











Design Framework Level 2 Rooftop - Building A











Landscape Concept Level 2 Rooftop - Building A

Legend

Buffer planting 1

Outdoor Open Space/Yoga Area 2

Flexible Loose Furniture 3

4 Decking

Notes: The landscape design shows indicative furniture layout only













Soil Depth Diagram Level 2 Rooftop - Building A

Legend

450mm Soil Depth 1000mm Soil Depth







Design Framework Level 15 Rooftop - Building A



SCALE: 1:250 @ A3











/ Projection + event space



Landscape Concept Level 15 Rooftop - Building A

Legend 1 BBQ/Outdoor Kitchen 2 Flexible tables and chairs 3 Bar Seating Woodland Grove/Seating Nooks 4 Hammock Nooks 5 6 Yoga lawn Ping Pong Tables 7 Projector Screen & Bean Bags 8

Notes: The landscape design shows indicative furniture layout only













Soil Depth Diagram Level 15 Rooftop - Building A

Legend

1000mm Soil Depth



1:100 @ A3

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0 0.5 1

1 2





Green Roof Strategy Inaccessible Green Roofs



Note: Indicative green roof placement. To be confirmed in accordance with MEP rooftop design



Green Roof Strategy Inaccessible Green Roofs

Precedents







Appendix Drawing for DA Submission

KEY 1 VILLAGE HEART 2 EAT STREET **3** SHAREWAY 4 GREENWAY 5 SENSORY GARDEN 6 STREETSCAPE 7 SERVICING LANE PLAZA 8 ARRIVAL PLAZA 9 EXISTING LANDSCAPE BUFFER 10 CONTINUATION OF THE UNIVERSITY MALL



