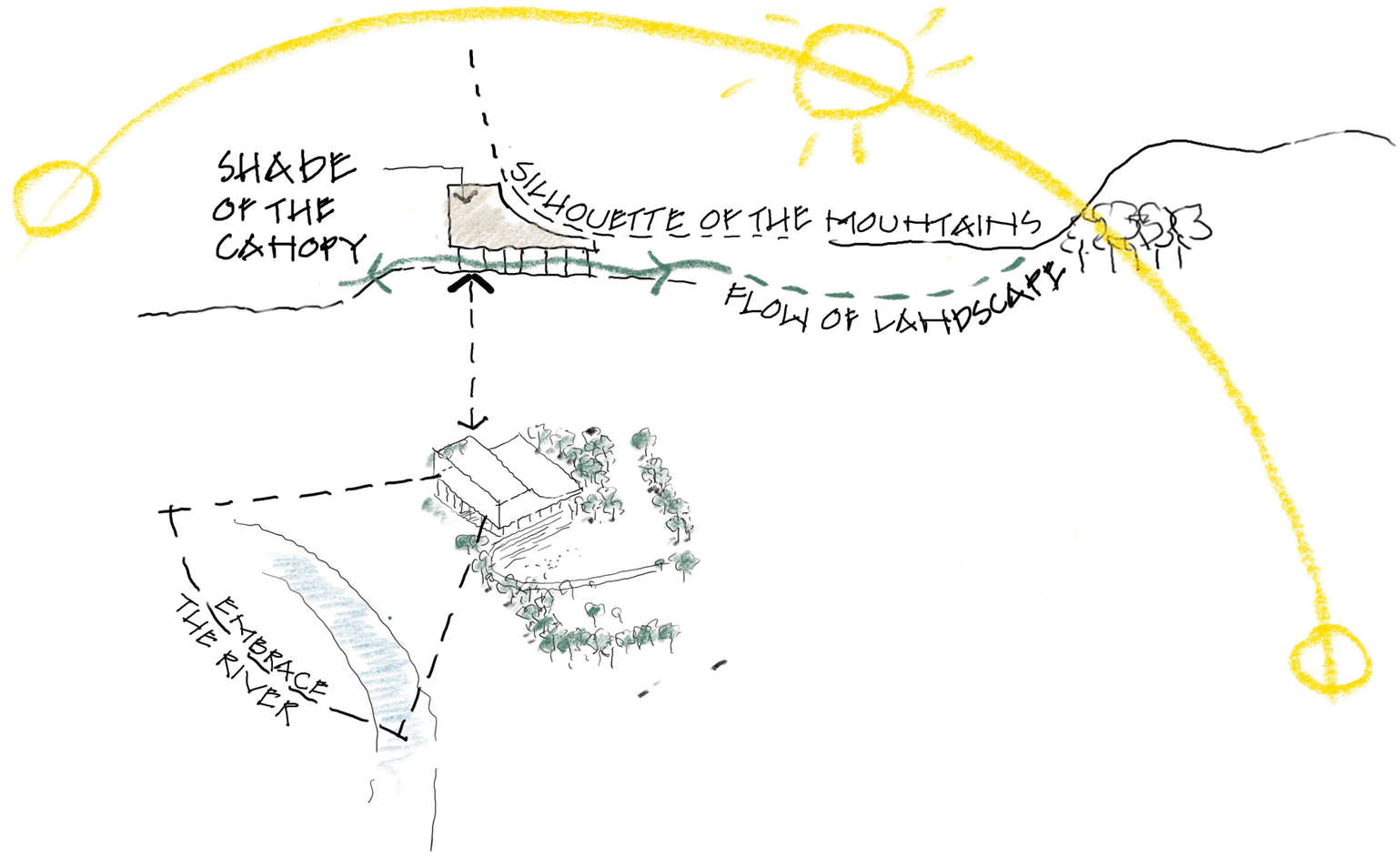
Prepared for: University of New England
Date: October 2024

architectus™



SCHEMATIC DESIGN REPORT

University of New England Tamworth Central Project

Architectus Australia Pty Ltd
ABN 90 131 245 684

Nominated Architect
Managing Director
Ray Brown
NSWARB 6359

Adelaide
Kaurna Country
Level 1, 15 Leigh Street
Adelaide SA 5000
Australia
T +61 8 8427 7300
adelaide@architectus.com.au

Brisbane
Turrbul and Jagera/Yuggera Country
Level 2, 79 Adelaide Street
Brisbane QLD 4000
Australia
T +61 7 3221 6077
brisbane@architectus.com.au

Melbourne
Wurundjeri Country
Level 25, 385 Bourke Street
Melbourne VIC 3000
Australia
T +61 3 9429 5733
melbourne@architectus.com.au

Perth
Whadjuk Noongar Country
QV1 Upper Plaza West
250 St. Georges Terrace
Perth WA 6000
Australia
T +61 8 9412 8355
perth@architectus.com.au

Sydney
Gadigal Country
Level 18, 25 Martin Place
Sydney NSW 2000
Australia
T +61 2 8252 8400
sydney@architectus.com.au

architectus.com.au

Project and report	UNE Tamworth Central | Schematic Design Report	
Date	28th July 2023	
Client	Architectus Australia Pty Ltd	
Version and date issued	Issue A (DRAFT Issue to UNE) - 28/07/23	Approved by: Angela Collings
	Issue B (FINAL Issue to UNE) - 29/09/23	Approved by: Angela Collings
	Issue C Council Additional Information - 22/10/24	Approved by: Angela Collings
Report contact	Karl Eckermann Principal	
This report is considered a draft unless signed by a Director or Principal	Approved by:	

General Disclaimer

- The information contained here is believed to be correct at the time of preparation, however it is not guaranteed. Recipients must rely on their own enquiries to satisfy themselves in all respects. Architectus Australia Pty Ltd ('Architectus') accepts no damages, liabilities or costs, including legal costs of defence, arising from changes made by anyone other than Architectus or from the information contained here without prior consent of Architectus.
- Architectus does not accept any liability to any third party for the contents of this report.
- This report is not intended for use by any other person or for any other purpose. Only the original drawings should be relied on.
- Further development of the design, measurement and construction tolerances and/ or further client/tenant requests will inevitably result in changes to these areas [which could involve significant reductions] and Architectus accepts no legal responsibility for any decision, commercial or otherwise, made on the basis of these areas.
- The Copyright in this report belongs to Architectus.

Uncle Tom at the banks of the Calala River

(Peel River)

Architectus acknowledges the Australian Aboriginal and Torres Strait Islander peoples of this nation as the Traditional Custodians of the lands on which we live and work.

We pay our respects to Elders, past and present and emerging.

Architectus is committed to honouring Australian Aboriginal and Torres Strait Islander peoples' unique cultural and spiritual relationships to the land, waters and seas and their rich contribution to society.

architectus™

Contents

1 Overview 05

1.1 Executive Summary 06

1.2 DA Requirements 08

2 Context Analysis 09

2.1 First Nations 10

2.2 Regional Context 11

2.3 University of New England 12

2.4 Tamworth 13

2.5 European Heritage Locations 14

2.6 Surrounding Natural Environment 15

2.7 Environmental 16

2.8 Constraints 17

2.9 Opportunities 18

3 The Brief 20

3.1 Reference Documents 21

3.2 Accommodation Brief 22

3.3 Functional Requirements 24

3.4 Functional Distribution 25

4 Connecting With Country 26

4.1 How We Connect With Country 27

4.2 Designing with the Elements of Country 28

4.3 Initial Connecting With Country Design Applications 29

4.4 Design Principles 31

5 Vision 42

5.1 True North Statement 43

5.2 Project Aims & Objectives 44

5.3 Flow 45

5.4 A Day in a Life 46

6 Architectural Design 48

6.1 Concept Validation 49

6.2 Architectural Response 52

6.3 Floor Plans 59

6.4 Elevations 65

6.5 Sections 68

6.6 Textures, Tones & Materials from Country 69

6.7 Materiality 71

6.8 Illustrative Perspectives 77

6.9 Area Plans 93

7 Urban Design Response 94

7.1 Landscape Approach 95

7.2 Campus Connections 97

7.3 Pedestrian Access 98

7.4 Traffic Movement 99

7.5 Perimeter 100

7.6 Signage 101

7.7 External Lighting 103

7.8 Visual Impact Analysis 104

7.9 Shadow Diagrams 112

8 Environmental Response 113

8.1 ESD Principles + Targets 114

9 Consultant Input 119

9.1 QS - Cost Plan

9.2 Landscape Design

9.3 Sustainability

9.4 Civil Concept

9.5 Traffic Studies

9.6 Structural Concept

9.7 Building Services

9.8 Signage

1

OVERVIEW

Overview
Executive Summary

Architectus is engaged by the University of New England (UNE) as Design Lead for the proposed UNE Tamworth Central project.

In April 2023, Architectus completed a Concept Validation exercise for the site. Following on from this, the preferred site study from this exercise informed the direction for Phase 2 Concept Design. The Concept Design for UNE Tamworth was completed in June 2023, with approval to proceed to Phase 3 Schematic (Sketch) Design.

This Schematic Design Report captures development of the design of the UNE Tamworth Central building, and outlines the activties undertaken during the Schematic Design phase and the project to date, including a summary of consultation and engagement with stakeholders, the Functional Brief and inputs from the specialist consultant team. This Report will form part of the 30% Sketch Design Milestone, and the Development Approval (DA) submission for project.

Engagement

Consultation during Schmatic Design included engagement with the following groups:

The **UNE project team** (Weekly Meetings):
- Meredith Butler | *UNE Associate Director Capital Asset Management | Estate & Built Environment*
- Neil Hogan | *UNE Associate Director Strategic Infrastructure Delivery*
- Louise Norton | *Project Director | Touchstone Partners*
- Anna Pham | *Project Manager | Touchstone Partners*

Key Stakeholder Groups:

Friday 16/06/2023: Online:
- User Group - Ross Murray (SRI)

Monday 19/06/2023: Online:
- TRC Update - Paul Bennett

Tuesday 20/06/2023: Online
- User Group - T&L - Sue-Ellen Hogan & Melanie Filios
- User Group - Medicine & Health - Melinda Morgan, Clara Murray & Sarah Wayland

Thursday 22/06/2023: Online:
- Tamworth Steering Committee

Wednesday 28/06/2023: Armidale:
- Project User group

Thursday 29/06/2023: Tamworth
- Tamworth University Reference Group
- TRC Technical Team

Monday 19/06/2023: Online:
- TRC Update - Paul Bennett

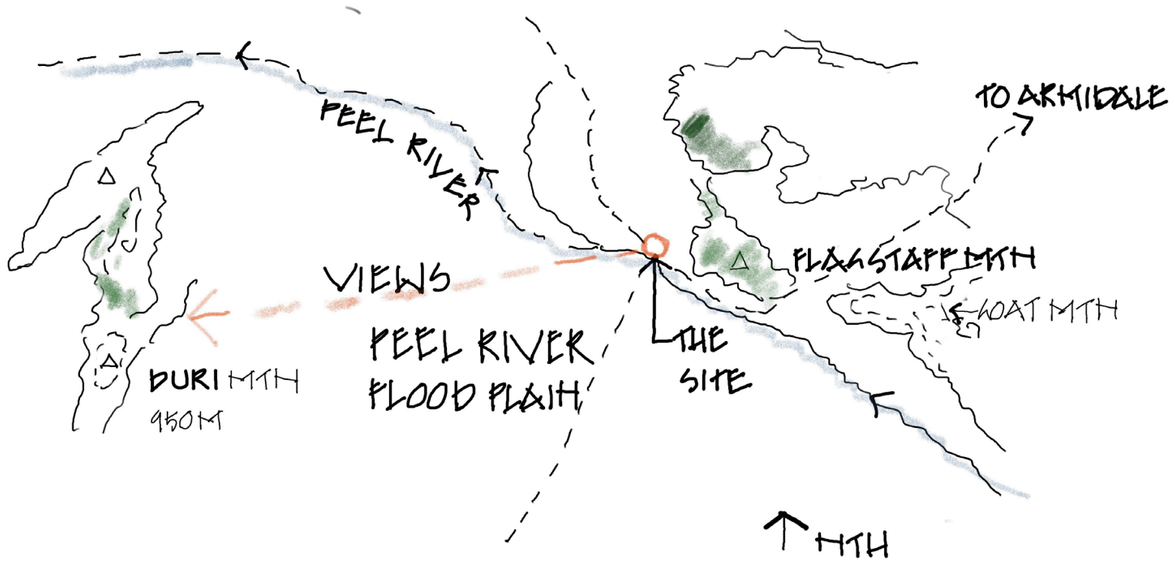
Tuesday 11/07/2023: Tamworth:
- Design Jam - Follow-up

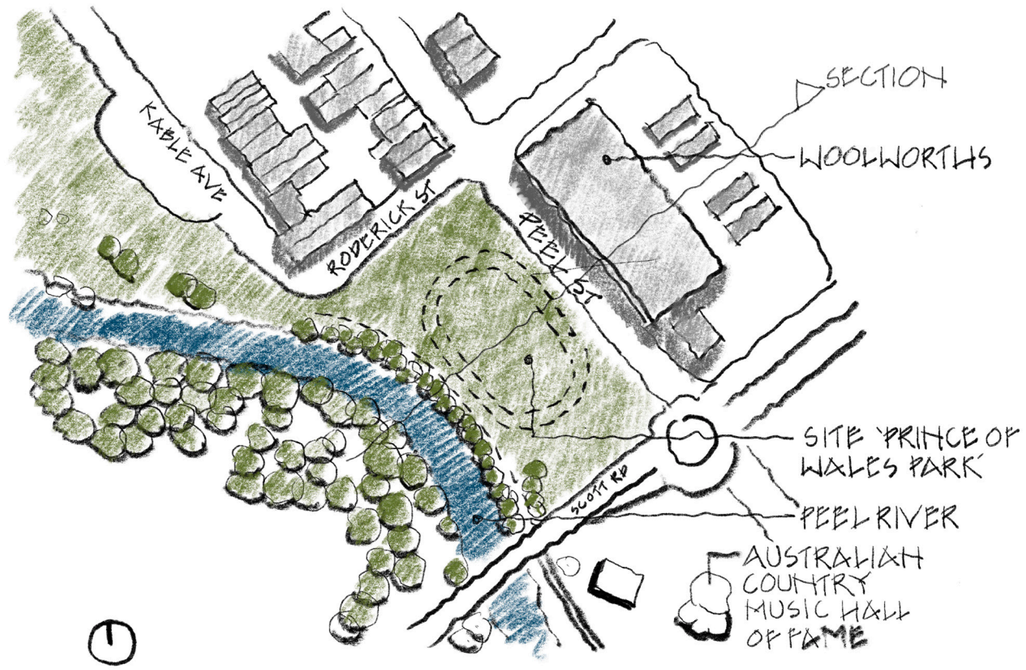
The defined Functional Brief for the project is detailed in Section 3 of this Report

Context & Site

The proposed site is located at 545 Peel Street, Tamworth. A decommissioned velodrome currently sits on the site.

The site is bound by Peel River (Calala River) to the west, and a street & road network to the north, east and south.





Overview
Executive Summary

Surrounding natural features include Flagstaff Mountain and the lookout, and the Warrabah National Park.

Key constraints for the site include a flood levee, multiple easements, and visually heavy frontage of the Eastpoint loading dock across the road to the east. However, the site presents a number of opportunities, including connection to and celebration of the river, activation of the urban edges, and the opportunity to create a significant destination book end to Peel Street.

Return Brief

The Accommodation Brief for the UNE Tamworth Central project includes the following spaces and functions:

- Shared Community Spaces
- Indigenous Centre
- Flexible Teaching Spaces
- Student Support Spaces
- Shared Meeting Spaces
- Clinical Simulation Spaces
- Spaces for the Smart Region Incubator
- Staff Workspaces
- Building support spaces

Architectus has worked closely with the UNE project team to determine ideal spatial requirements within the Project Budget.

UNE's vision for Tamworth Central campus is to create an environment, with shared spaces that can perform multiple functions. The design of the building aims to be as flexible as possible, to accommodate UNE current needs, and to be able to adapt to UNE future needs.

Connecting with Country

Architectus has been collaborating with our design partner, Yerrabingin, throughout the Concept Design process, to understand the First Nations peoples' knowledge of the site and surrounding Country.

To connect with Country is to be grounded in the landscape and to practice the cultural knowledge stored within it. This encourages physical and emotional wellbeing for people and healthy Country.

UNE Tamworth has the opportunity to showcase First Nations cultures throughout the UNE Tamworth Campus and connecting town precinct.

Vision

The project aims & objectives include:

- Designing with First Nations and Connecting with Country
- Promoting student success and equitable access to learning to create an inclusive and welcoming campus
- Designing with community and for community
- Connecting the campus with the community and adjacent industries
- Adaptable, practical and digitally-enabled
- Architecturally significant, culturally, community and environmentally sensitive

The overall project concept centres around the idea of 'flow', inspired by the river.

Consultation with the community and stakeholder groups has highlighted overlapping themes which reinforce the project aims and objectives of creating an anchor for community and a connector for broader Tamworth.

Character & Form

The language of the landscape will be reflected in the geometry of the building. During the Concept Design phase, the team has explored opportunities to employ local materials, and to create both external and internal spaces that are inviting and offer outlook, with generous shade and connection to the landscape.

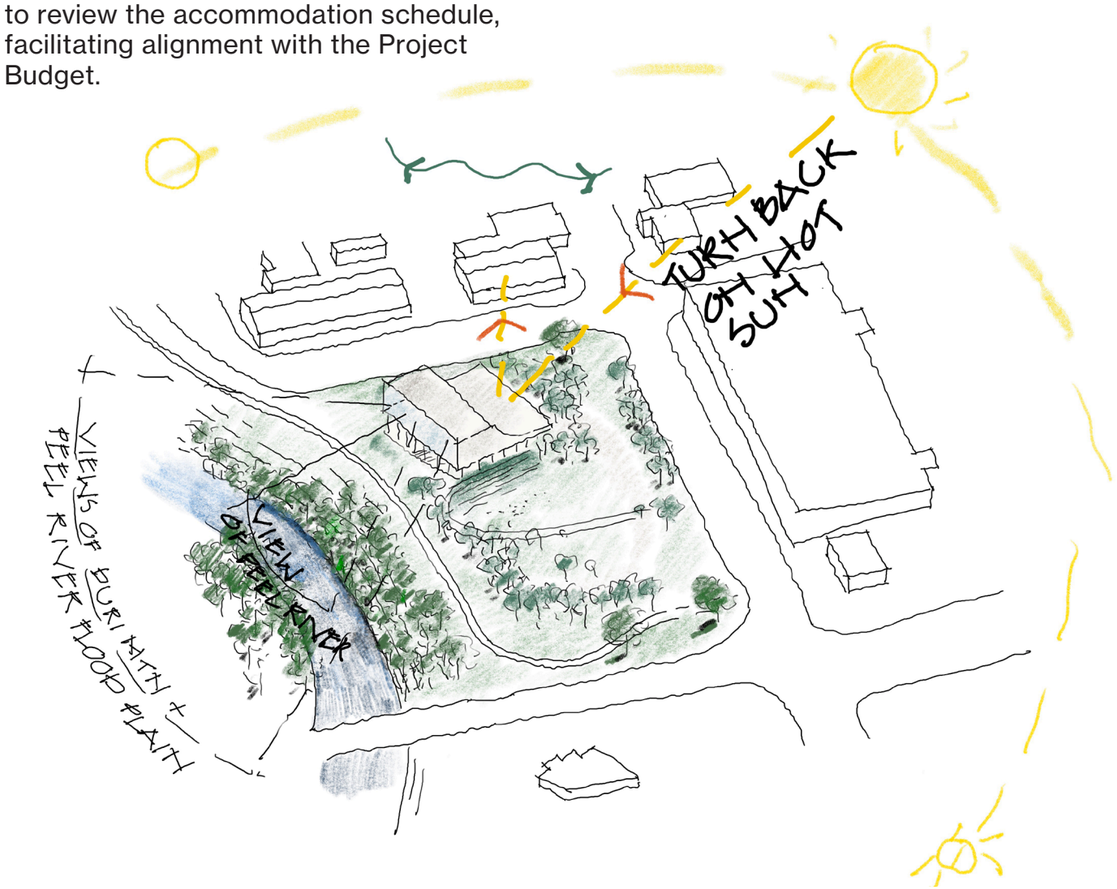
Cost Plan

Wilde & Woollard have completed an updated cost plan for the project, and has been appended to this Report. The project team have utilised the initial cost plan to review the accommodation schedule, facilitating alignment with the Project Budget.

Next Steps

Critical milestones for the project are the 30% Sketch Design Gateway and submission of the Development Approval (DA).

Once the UNE Gateway processes are complete and the DA submitted, Architectus will continue to work with the design and consultant team during Detailed Design phase, to progress the project towards Tender.



IN PROGRESS

DA Requirements	Response Location
DESIGN	
A detailed Site Plan of the Proposal is required to accompany the DA. The site plan must: • Be to scale and show all setbacks from (front, side and rear boundaries) and compliance with the local provisions. • Show internal manoeuvrability (e.g. turning paths) meeting Australian Standards and identify surface treatments (i.e. bitumen, concrete etc.) • Show loading zones (for any delivery vehicles) and demonstrate that they can be achieved. If staging is proposed, these details must be included in the plans for the development.	• Section 6.3: Architectural Design (Floor Plans)
The Plans must: • Include Elevation Plans (with floor to ceiling and ridge heights), Sections and Floor Plans of the proposed buildings and any additional structures to be built. • Identify all fire safety requirements and compliances with the BCA (detailed floor plans) • Confirm the detail of building elements (to be of low scale and consistent with existing development)	• Section 6.3-6.5: Architectural Design (Floor Plans / Elevations / Sections)
A detailed Landscaping Plan which must comprise a description of landscaping including vegetation to be planted (name and type of drought and frost tolerant tree and shrub species).	• Section 9.2: Consultant Input (Landscape Design) • Landscape Concept Design Report by Tyrrell Studio
COLOUR SCHEME AND MATERIALS	
Please provide specific details on each type of the proposed buildings (i.e. colour scheme, combination of building materials etc.)	• Section 6.6-6.7: Architectural Design (Textures, Tones & Materials from Country / Materiality)
SIGNAGE	
Confirm details of any proposed signage (number, dimensions, illumination, colour scheme, information on sign, type of sign and location).	• Section 9.8: Consultant Input (Signage) • Wayfinding and Signage Strategy Schematic Design Report by DotDash
RAINWATER TANKS	
Confirm the size and proposed location of any rainwater tanks if any proposed, to be installed (identify locations on the site plan / landscaping plan).	• Section 6.3: Architectural Design (Floor Plans)
TREE REMOVAL	
The site plan must detail the location of existing trees / vegetation onsite and any potential trees to be removed to facilitate the development.	• Section 9.2: Consultant Input (Landscape Design) • Landscape Concept Design Report by Tyrrell Studio
OUTDOOR LIGHTING	
Provide a detailed description and location of the proposed lighting (details can be confirmed on proposed site and elevation plans). All lighting must comply with AS 4282 Control of Obtrusive Effects of Outdoor Lighting.	• Section 7.7: Urban Design Response (External Lighting) • Lighting Report by ADP
FENCING	
Confirm whether fencing will be part of the proposal, if so, please identify the proposed materials and height.	• Section 7.5: Urban Design Response (Perimeter)

DA Requirements	Response Location
TRAFFIC AND ACCESS	
Confirm the number and type of vehicles that will frequent the site daily / weekly. Confirm the details of the study with Council. Separate signposted entrance and exit driveways are required for developments requiring more than 50 parking spaces or where development generates a high turnover of traffic.	• Section 9.5: Consultant Input (Traffic Studies) • Traffic Impact Assessment Report by TTW
The Design must demonstrate no conflict between pedestrian, customer vehicles and delivery vehicles. The Site Plan must demonstrate the access points (ingress / egress) from Roderick Street and Peel Street.	• Section 6.3: Architectural Design (Floor Plans) • Section 9.5: Consultant Input (Traffic Studies)
PARKING	
The Site Plan will need to identify parking spaces supporting all applicable vehicle types and a template demonstrating suitable access and on-site manoeuvrability in accordance with the Australian Standards (AS 2890.1). Carparking spaces required for the proposal will need to be identified on the site plan and meet the requirements of Council's TRDCP 2010.	• Section 6.3: Architectural Design (Floor Plans) • Section 9.5: Consultant Input (Traffic Studies) • Traffic Impact Assessment Report by TTW
Council will require a hard sealed surface for parking and manoeuvrability areas (asphalt/ bitumen or concrete) in accordance with the Tamworth Regional Development Control Plan 2010 (TRDCP 2010).	• Section 6.7: Architectural Design (Materiality)
BUILDING CODE AUSTRALIA REPORT	
The building must comply with Fire Safety requirements.	• BCA Assessment Report
Bathrooms (i.e. shower/toilets etc.) must comply with Part D3 of Vol. 1 of the BCA.	• BCA Assessment Report
Any proposed ramps (disabled access) must comply with AS1428.1-2009 and be shown on the plans.	• BCA Assessment Report • Section 6.3: Architectural DesigFloor Plans
Pedestrian access to the site must comply with Part D3 of Volume 1 of the NCC.	• BCA Assessment Report
Disabled car parking spaces and access must comply with the BCA.	• BCA Assessment Report
STORMWATER	
A Stormwater Management Plan is required to be provided which must demonstrate, among other things, post development flows do not exceed pre-development flows as a result of the development. Details will also need to address any drainage flow that may pass through the subject site.	• Section 9.4: Consultant Input (Civil Concept) • Flood Concept Report by TTW
UTILITIES AND SERVICES	
A Servicing strategy is required to demonstrate the availability and feasibility of providing water, sewer and stormwater services appropriate for the scale and nature of development. Evidence of consultation with the Water Supply Authority and Roads Authority is to be provided. Council will apply headworks charges for these services.	• Utilities and Services Report by ADP
Buildings and structures are to be located clear of utility infrastructure.	• Utilities and Services Report by ADP
Demonstrate the adequate provision for storage and handling of solid wastes.	• Utilities and Services Report by ADP
Liquid Trade Waste Application and facilities are required where liquid wastes (excluding domestic waste from a hand wash basin, shower, bath or toilet) are to be discharged to Council's sewerage system.	• Utilities and Services Report by ADP
For sewer mains, structures are to be located a minimum of one metre plus the equivalent invert depth, whichever is greater, from the centreline of the main. Council's Policy for "Excavating/Filling or Building Adjacent to or Over Existing Sewer Mains" provides full detail.	• Utilities and Services Report by ADP

2

CONTEXT ANALYSIS

Context Analysis
First Nations

Tamworth benefits from its scenic setting, characterized by the presence of the Peel River, surrounding mountain ranges, and a diverse range of endemic flora and fauna. These natural features contribute to the region's identity and offer opportunities for cultural, recreational, and environmental activities.

The Peel River runs through Tamworth, supporting a variety of aquatic and bird species. The river serves as an important habitat and provides recreational opportunities such as fishing, boating, and leisurely walks. Preserving the integrity of the river and its surroundings is crucial for maintaining biodiversity and safeguarding the region's natural heritage.

Tamworth is surrounded by picturesque mountain ranges, including the Flagstaff Mountains, Moonbi Range, and Nandewar Range. These mountains offer stunning landscapes and serve as important habitats for diverse flora and fauna. Protecting these natural areas is essential for conserving ecological balance and preserving the region's unique biodiversity.

The Gomeroi people, the traditional custodians of the land, have a deep cultural connection to the natural environment of Tamworth. Their sustainable practices and spiritual beliefs contribute to the preservation of local ecosystems and sacred sites. Collaborating with the Gomeroi people and respecting their cultural significance is essential for the responsible management of the region's natural assets.

Tamworth boasts a rich variety of endemic trees and plants, including species such as Eucalyptus tereticornis, Eucalyptus melliodora, and Eucalyptus camaldulensis. These trees provide important habitat and food sources for native wildlife. Other notable plant species include Acacia parramattensis, Grevillea pteridifolia, and Callistemon citrinus. Preserving these native species is crucial for maintaining biodiversity and the cultural heritage of the region.

Recognizing the ecological importance of Tamworth's natural environment and incorporating it into architectural and development practices is key to achieving sustainable outcomes. By understanding the context and site of the region, the University of New England and Tamworth Regional Council can foster a sense of place, promote community well-being, and support responsible environmental stewardship.

Peel (Calala) River

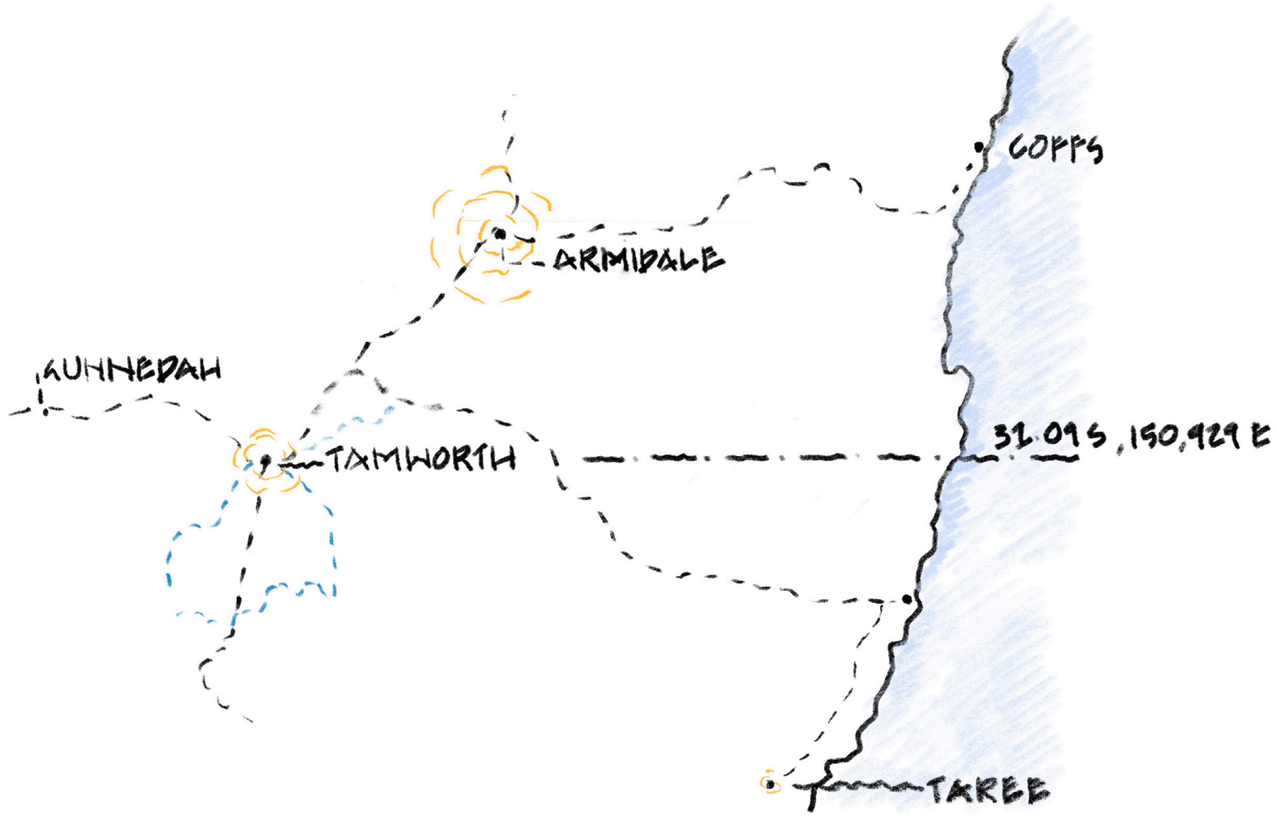
Shade next to Calala River

Calala river bank ground

Context Analysis
Regional Context

Tamworth and the New England area has a rich and complex geological history that has shaped their unique landscapes. Situated within the New England Fold Belt, the region's geology is characterized by folded and faulted sedimentary rocks, such as sandstones, shales, and limestones, which were formed during the Paleozoic era around 400 million years ago.

Tamworth has a subtropical climate with distinct seasonal variations. Summers are generally characterized by hot and dry conditions, with temperatures frequently exceeding 30 degrees Celsius. The region receives the majority of its annual rainfall during the summer months, often accompanied by thunderstorms. Winters in Tamworth are mild, with cool nights and temperatures ranging from 5 to 18 degrees Celsius. Frosts can occur during winter mornings, especially in the cooler months. Spring and autumn offer moderate temperatures and pleasant weather as the seasons transition.



Looking at the flood plan and town

Textures and colour

Erica, Uncle Tom and Gabi

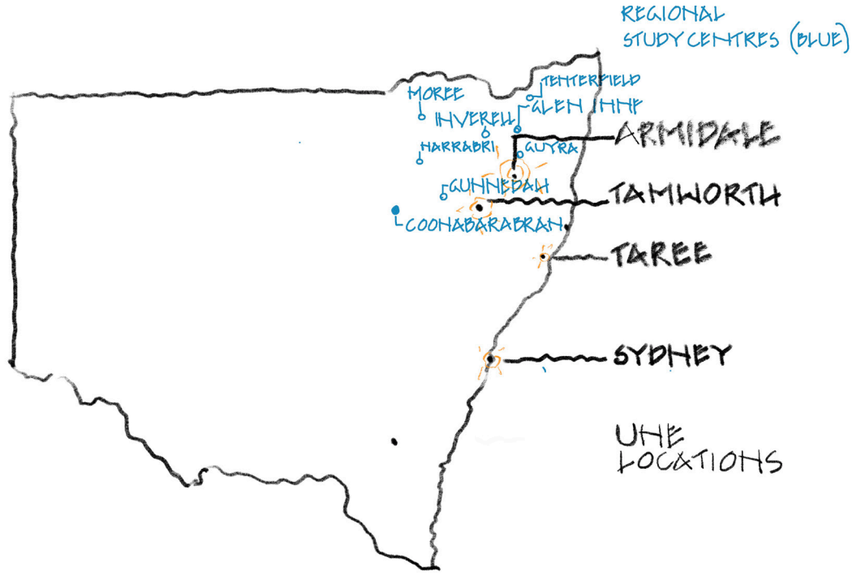
Calala river edge

Context Analysis
University of New England

The University of New England (UNE) is a renowned institution with multiple campuses and regional study centers, offering students a diverse range of educational opportunities. These campuses, including Armidale, Tamworth, Sydney, Taree, and the regional study centers, provide a comprehensive learning environment for students across various locations.

The Armidale campus serves as UNE's main campus. It offers a wide range of programs across disciplines, supported by modern facilities, including state-of-the-art lecture theaters, research laboratories, libraries, and recreational spaces. The campus fosters a vibrant student community and provides access to numerous extracurricular activities, clubs, and societies.

The Tamworth campus, offers tailored programs that address the needs of the local community. Equipped with modern classrooms, computer labs, and simulation rooms, the campus provides students with hands-on learning experiences



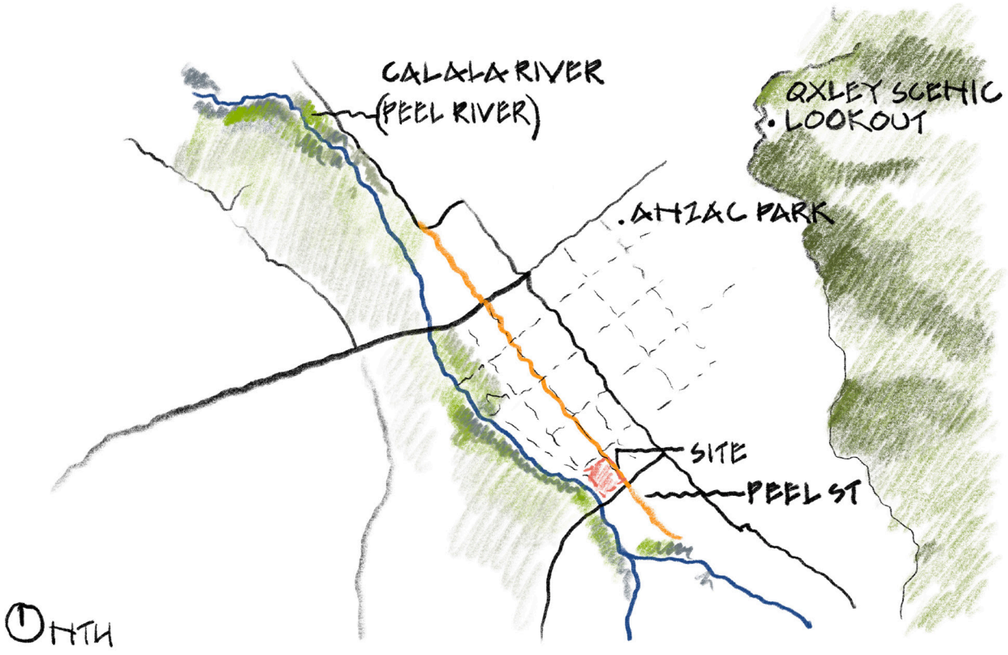
UNE Armidale

Established in 1930 by University of Sydney. Oldest University in Australia outside of the capital city's.

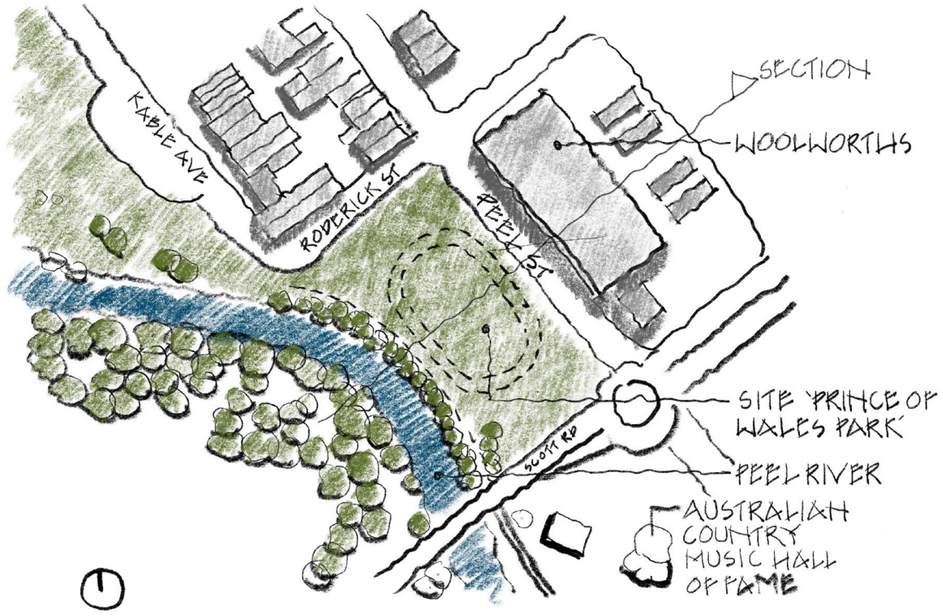
UNE Tamworth

UNE Taree

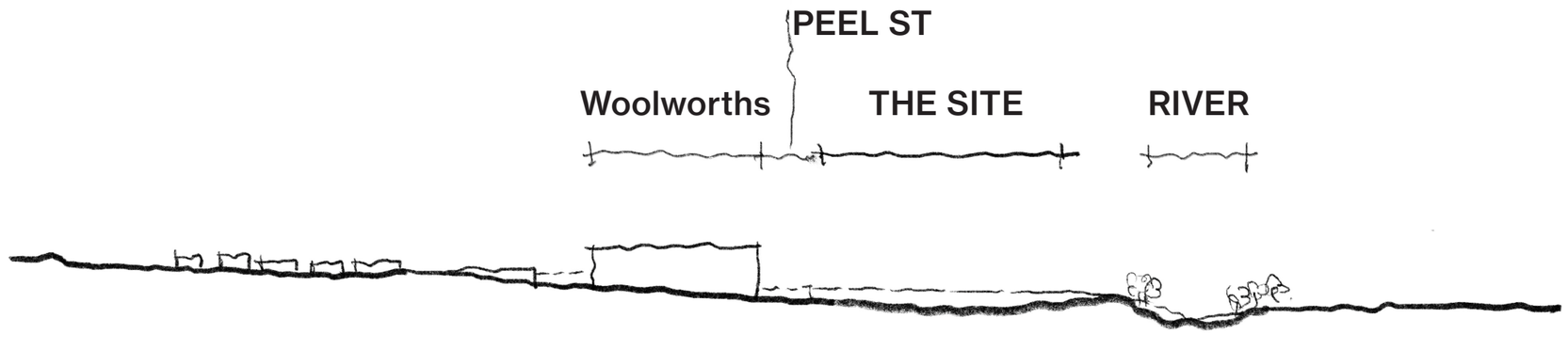
Context Analysis
Tamworth



TAMWORTH CONTEXT



IMMEDIATE SITE



LONG SECTION

Context Analysis
European Heritage Locations

Northern Police District Headquarters

Deep Awnings | Balanced facade | Colonnade | Thin elegant columns | Symmetry | Graphic clarity | Gable roof

East Tamworth Post Office

Victorian Italianate style | Vertical proportions | Deep reveals | Arch geometry | Verandas | Rendered brickwork | Hipped roof

Tamworth Railway Station

Victorian style | Classical proportions | Quality detailing and finish | Arch geometry | Verandas | Rendered brickwork | Gable Roof | Platform awning | Landscaped forecourt

Tamworth Hospital Main Block

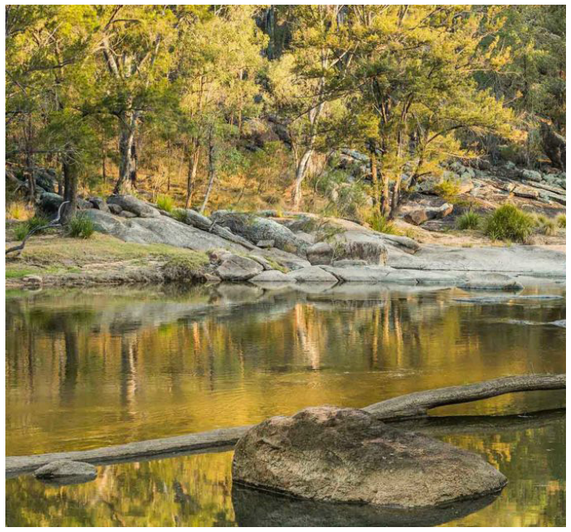
Classic Victorian Style | Deep Awnings | Verandah | Balanced facade | Colonnade | Thin elegant columns | Graphic clarity | Rendered brick | Gable roof

Main Northern Railway: Peel River Railway Bridge

Wrought iron lattice truss design | Locally-sourced hardwood timber stringers | Cast iron cylindrical piers | Arched lattice braces

Context Analysis
Surrounding Natural Environment

Peel River



Warrabah National Park

Tamworth landscape

Flagstaff Mountain

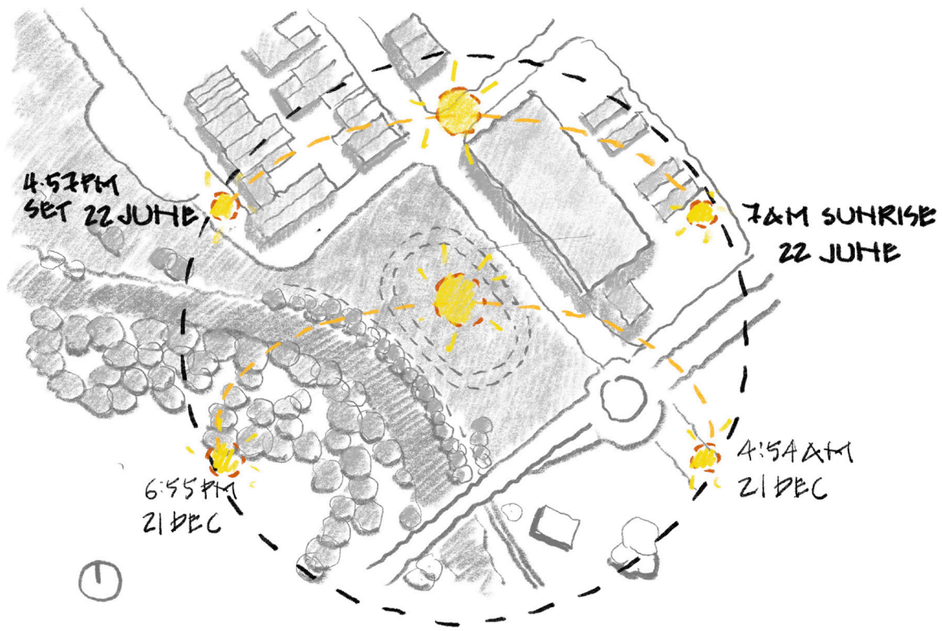
Peel River

Local stones

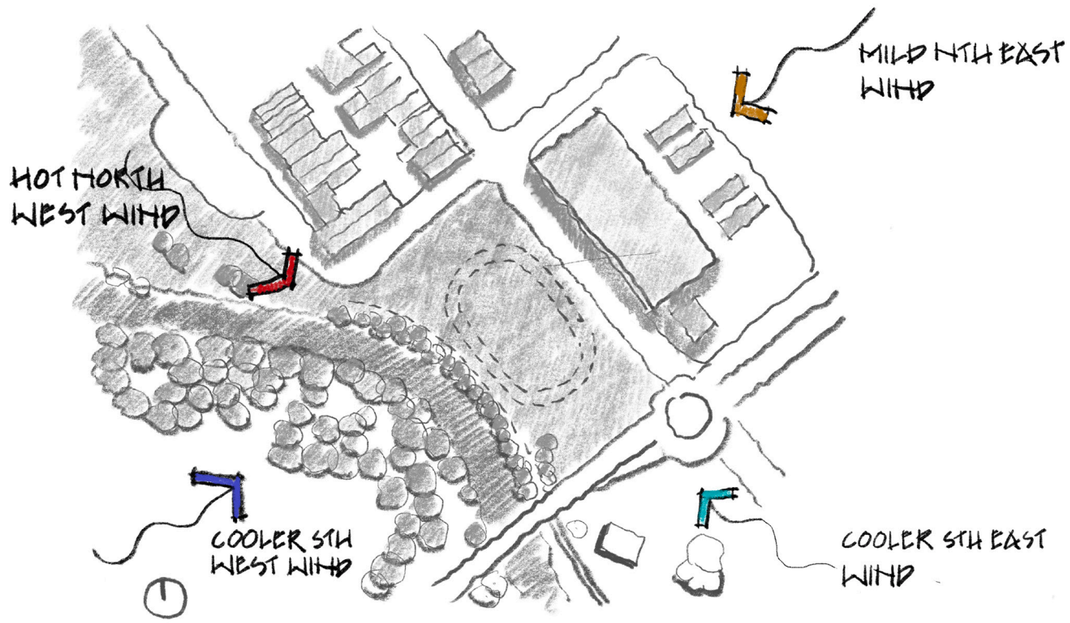
Tamworth landscape

Peel River

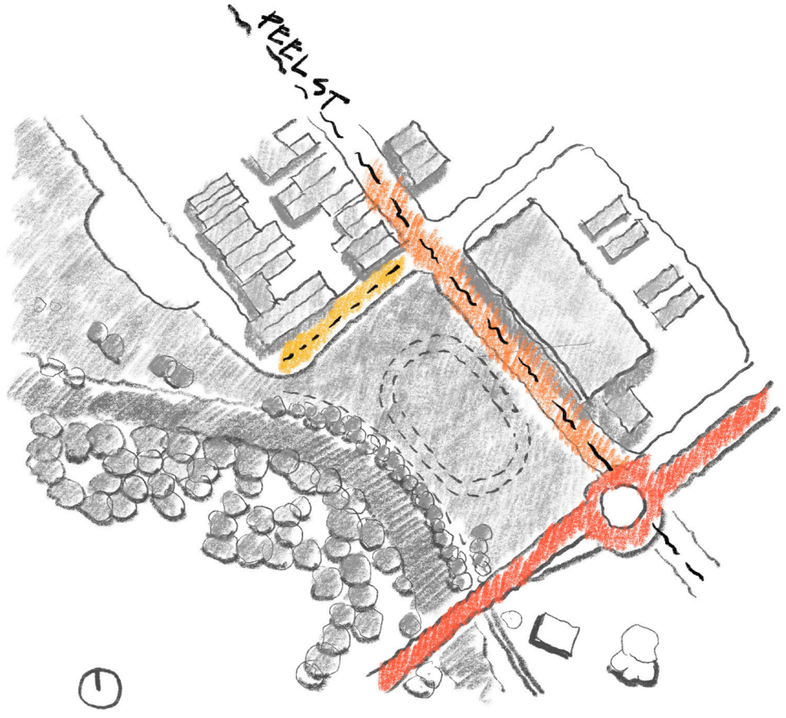
Context Analysis
Environmental



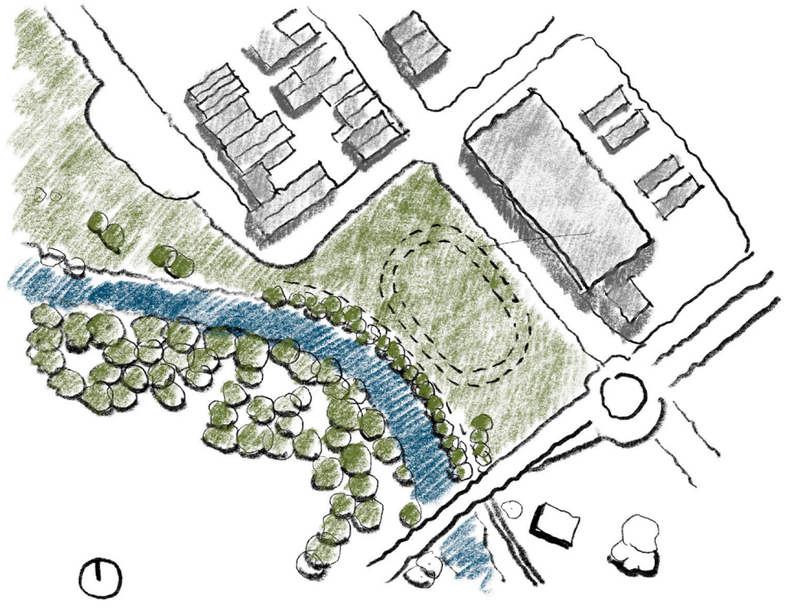
SUN PATH



WIND

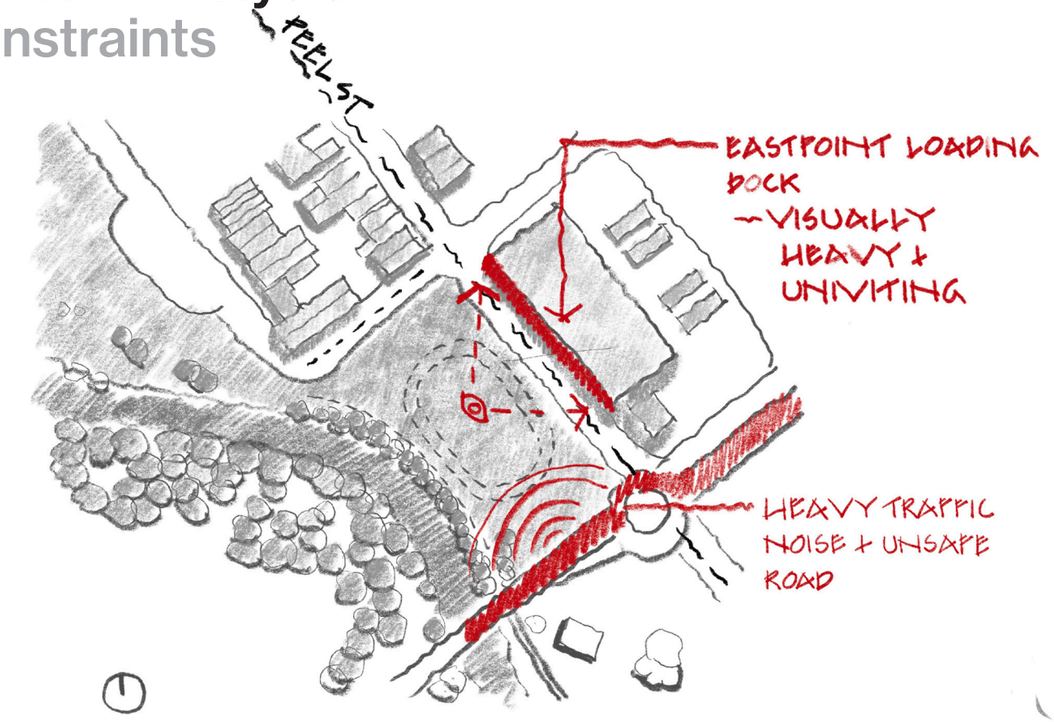


TRAFFIC

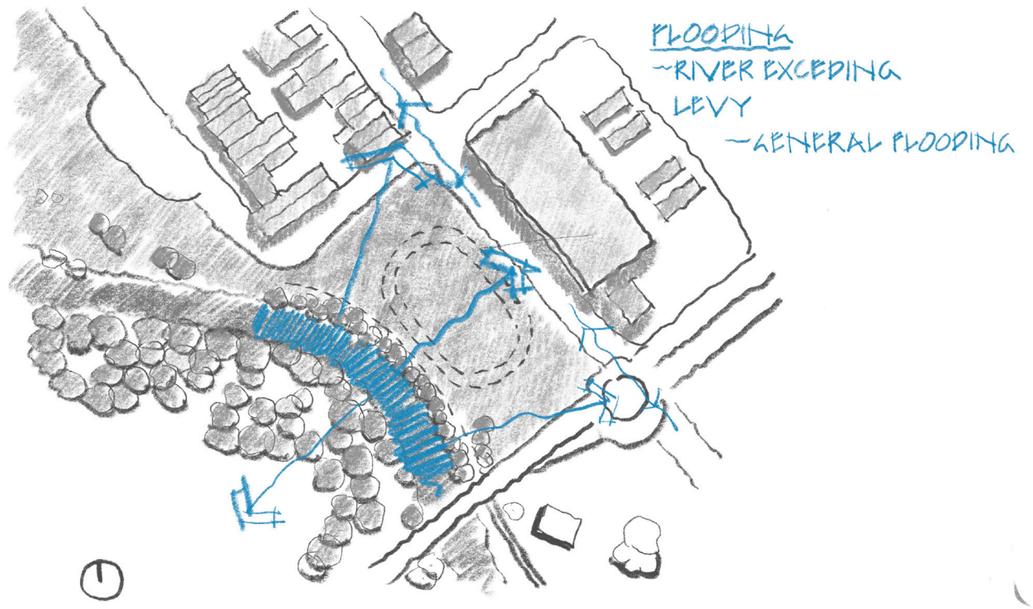


RIVER

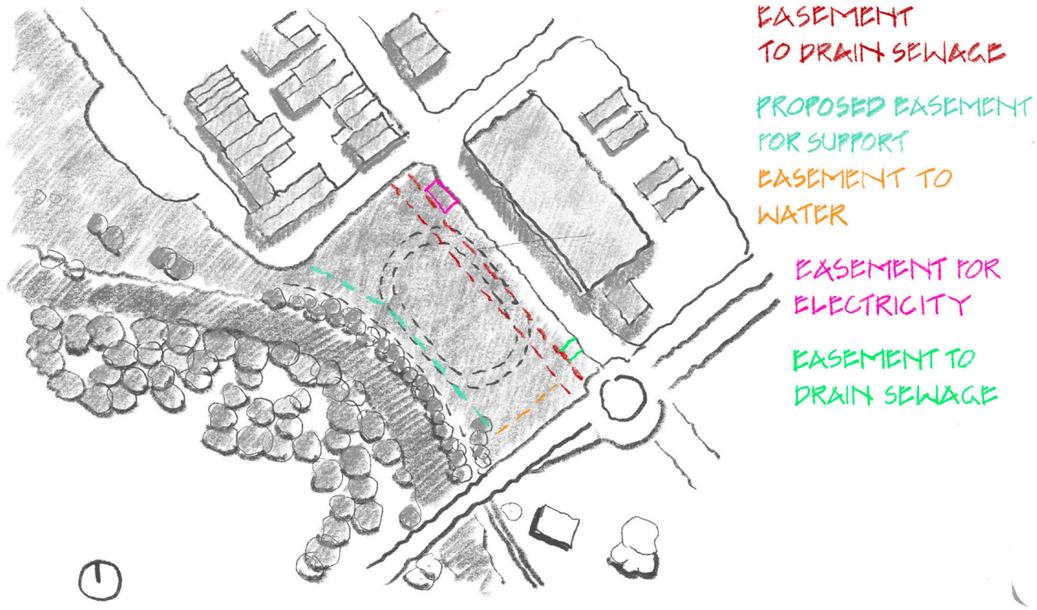
Context Analysis
Constraints



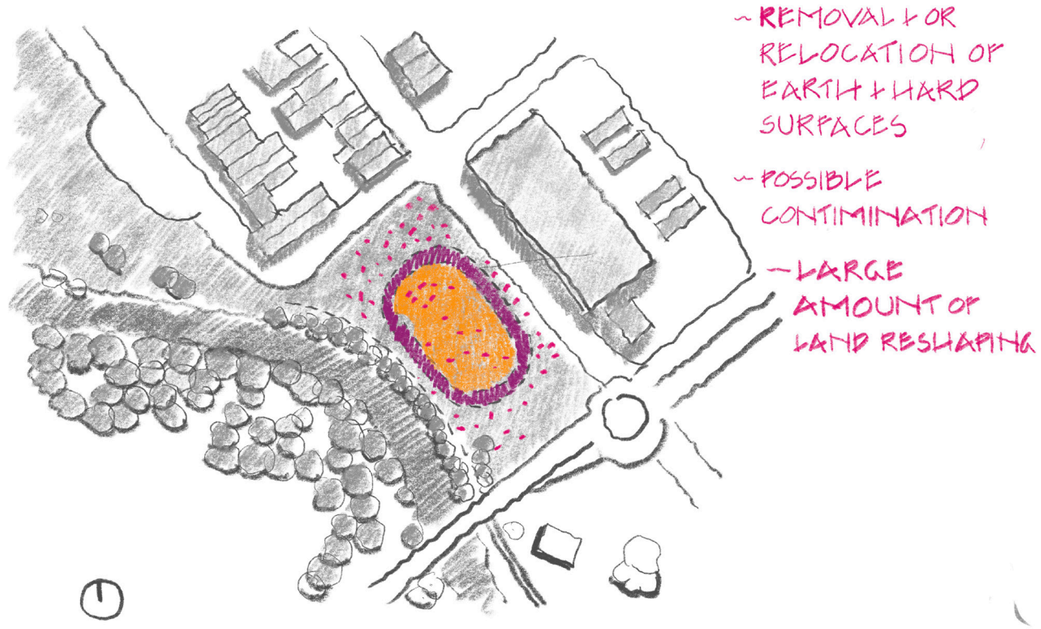
NOISE + TRAFFIC



FLOODING

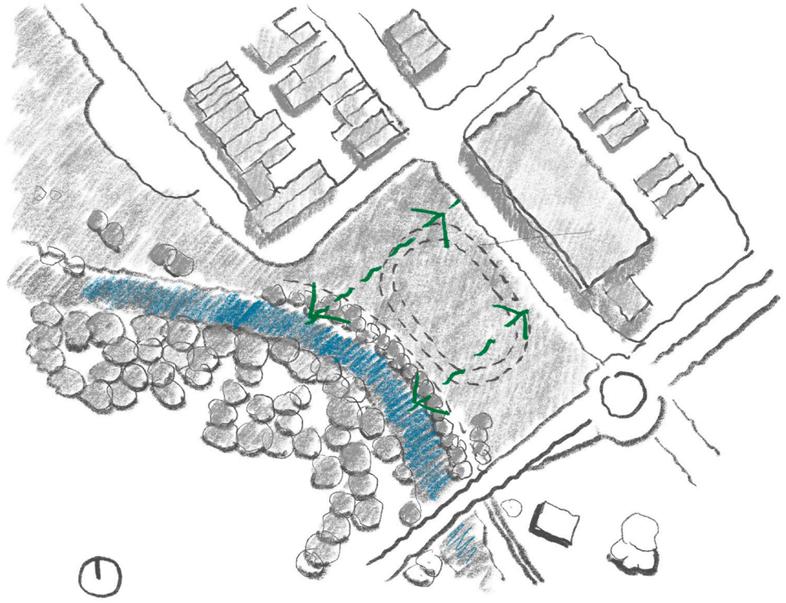


EASEMENTS

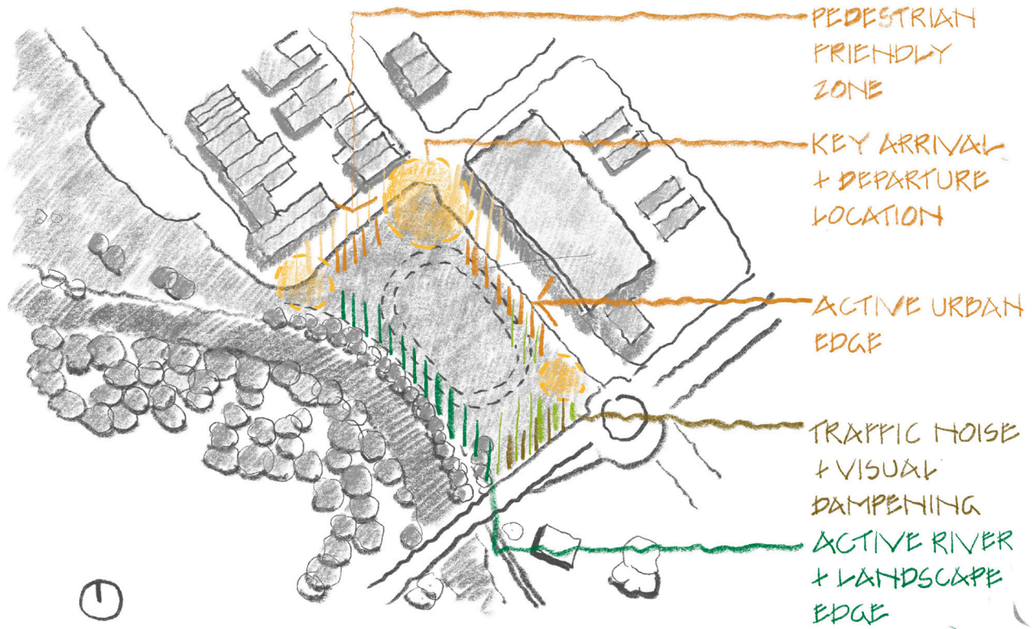


EARTHWORKS, CONTAMINATION

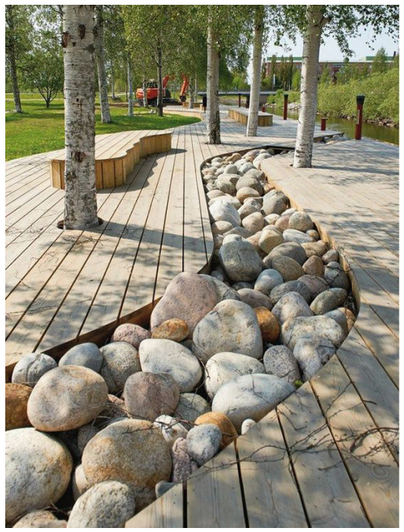
Context Analysis
Opportunities



CELEBRATE AND CONNECT THE RIVER TO THE SITE

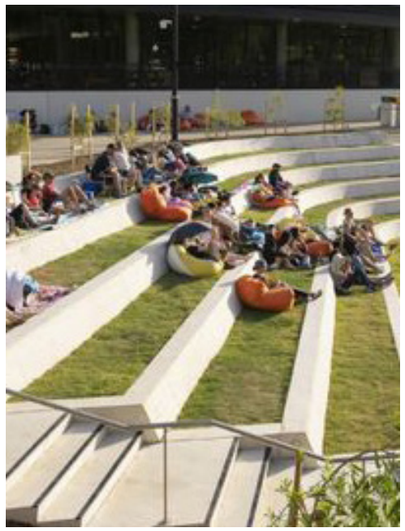


SITE ACTIVATION AND EDGES

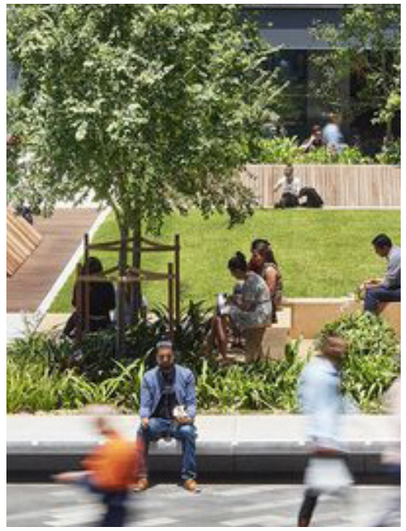


Integration of the natural landscape through the site

Generous outdoor study and social spaces

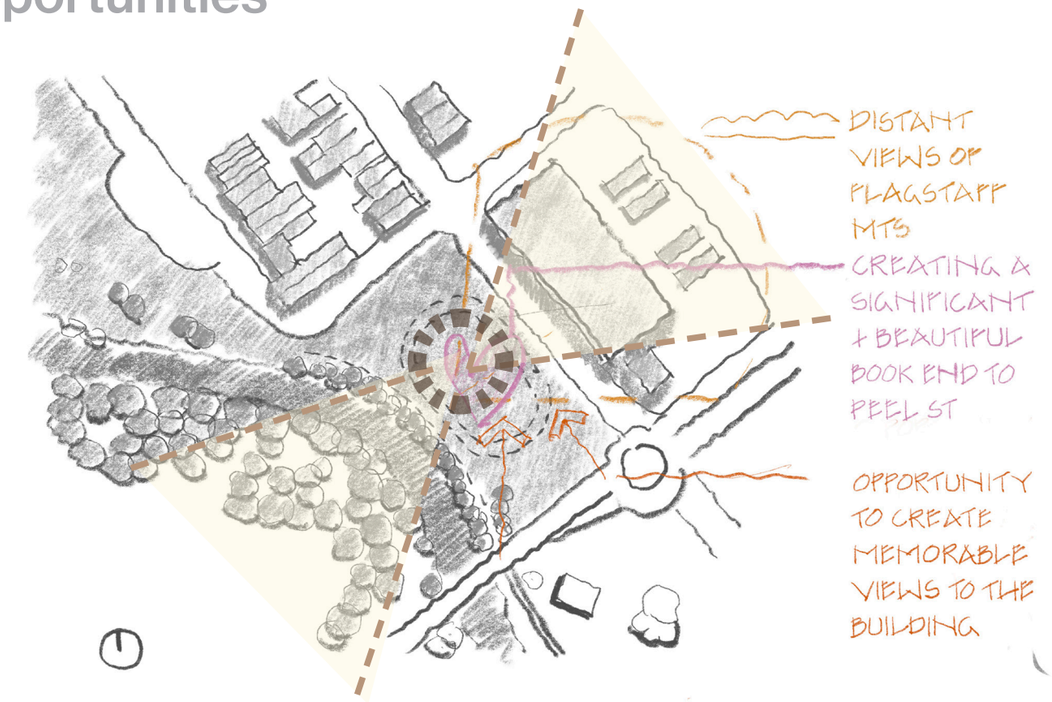


Shaping and activating edges and ground plane

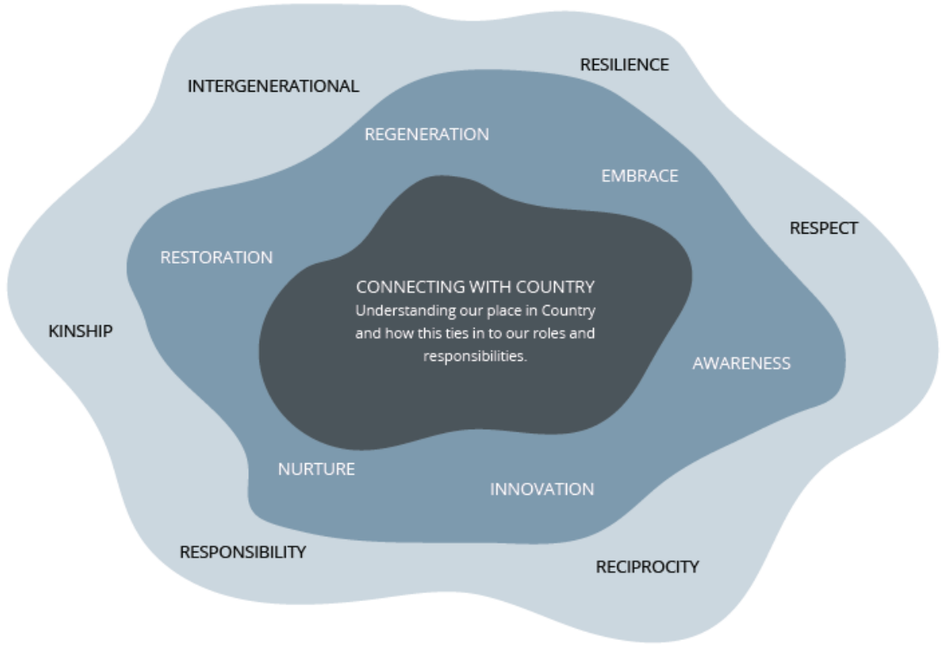


A warm and inviting place

Context Analysis
Opportunities



BUILDING PRESENCE AND VIEWS



SITE HEALING + RESTORATION

Integration of the natural landscape through the site and building

Bringing the outside in

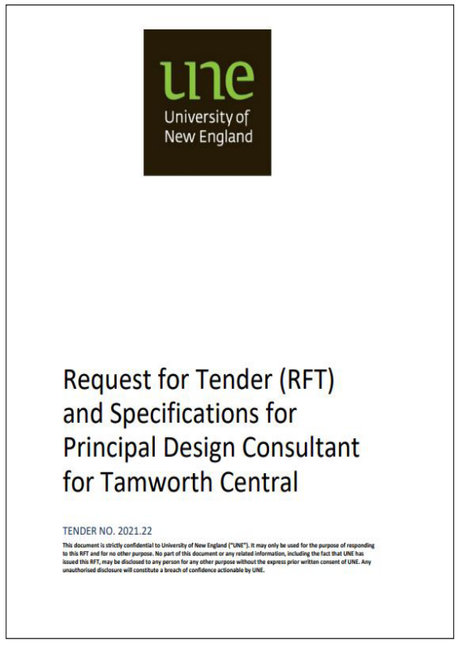
Generous shade through the building

Framing the Landscape

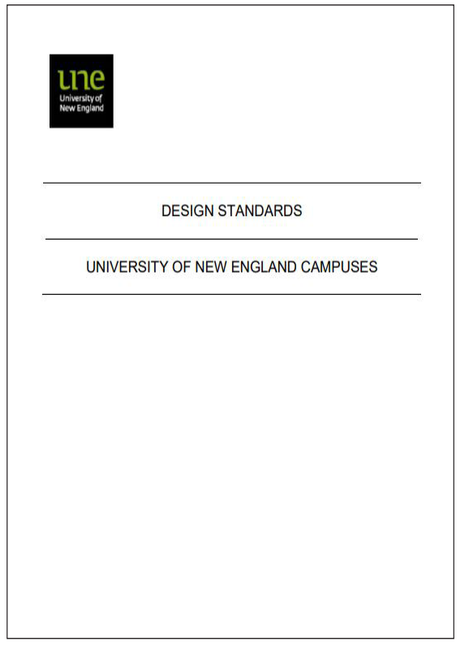
3

THE BRIEF

The Brief
Reference Documents

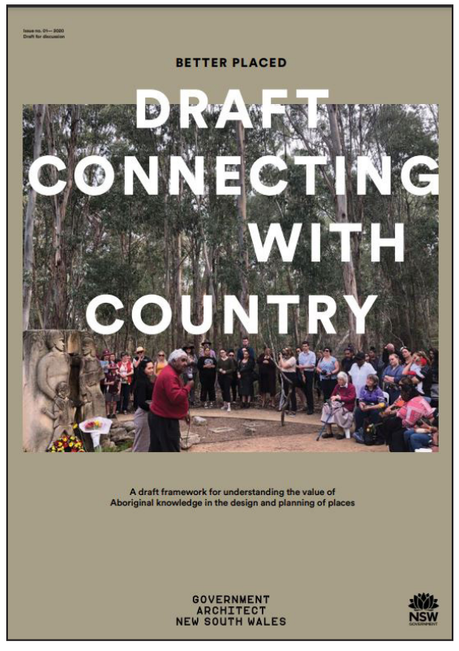


Request for Tender (RFT) and Specifications for Principal Design Consultant for Tamworth Central



Design Standards - University of New England Campuses

UNE Expansion - Tamworth Campus Proposal



Connecting With Country Draft Framework

University of New England Future Fit Brand Assets and Signage Style Guide

The Brief
Accommodation Brief

The Accommodation Brief for the UNE Tamworth Central project includes the following spaces and functions:

- Shared Community Spaces
- Indigenous Centre
- Flexible Teaching Spaces
- Student Support Spaces
- Shared Meeting Spaces
- Clinical Simulation Spaces
- Spaces for the Smart Region Incubator
- Staff Workspaces
- Building support spaces

SHARED COMMUNITY SPACES

CLINICAL SIMULATION SPACES

FLEXIBLE TEACHING SPACES

INDIGENOUS CENTRE

STUDENT BREAKOUT / CIRCULATION

STUDENT SUPPORT SPACES

BOOKABLE WORKSPACES

ANCILLARY SPACES

STAFF WORKSPACES

The Brief
Accommodation Brief

Architectus has worked closely with the UNE project team to determine ideal spatial requirements within the project budget.

UNE's vision for Tamworth Central campus is to create a welcoming and inclusive environment, with shared spaces that can perform multiple functions.

The design of the building aims to be as flexible as possible, to accommodate UNE current needs, and to be able to adapt to UNE future needs.

TYPE	FUNCTION	AREA (m2)
GROUND LEVEL		
AMENITIES	MALE WC	20
AMENITIES	FEMALE WC	24
BACK OF HOUSE	STORE	17
BACK OF HOUSE	STORE	19
SUPPORT SPACES	PARENT ROOM	8
SUPPORT SPACES	STUDENT COUNSELLING	12
CIRCULATION	CIRCULATION AND KITCHENETTE	171
INDIGENOUS CENTRE	MEETING ROOM	13
INDIGENOUS CENTRE	OORALA ABORIGINAL CENTRE	47
SERVICE SPACE	CLEANERS CUPBOARD	3
SERVICE SPACE	ACC. WC	9
SERVICE SPACE	RISER	4
SERVICE SPACE	LIFT	5
SERVICE SPACE	COMPUTER STORE	9
SERVICE SPACE	ELEC.	10
SERVICE SPACE	COMMS	12
STAFF	STAFF	21
TEACHING SPACE	LOW-FI TEACHING SPACE	56
TEACHING SPACE	LARGE FLEXIBLE TEACHING (50 PAX)	92
TEACHING SPACE	LARGE FLEXIBLE TEACHING (50 PAX)	97
		649
LEVEL 1		
AMENITIES	ACCESSIBLE WC	5
AMENITIES	MALE WC	16
AMENITIES	FEMALE WC	17
SUPPORT SPACES	CONSULT ROOM	10
CIRCULATION	CIRCULATION	244
CLINICAL SIMULATION	CONTROL ROOM	9
CLINICAL SIMULATION	PREP AND STORE	13
CLINICAL SIMULATION	CLINICAL STORE	20
CLINICAL SIMULATION	SCRUB AREA	20
CLINICAL SIMULATION	CLINICAL CONSULT	86
CLINICAL SIMULATION	CLINICAL SIMULATION LAB	104
SERVICE SPACE	LIFT	5
SERVICE SPACE	RISER	4
SRI	SHARED WORKSTATIONS	53
TEACHING SPACE	GENERAL FLEXIBLE WORKING (25 PAX)	57
TOTAL		**663**

LEVEL 2		
AMENITIES	ACCESSIBLE WC	6
SHARED MEETING	WORKSPACE	3
SHARED MEETING	WORKSPACE	3
SHARED MEETING	WORKSPACE	4
SHARED MEETING	WORKSPACE	4
SHARED MEETING	WORKSPACE	7
SHARED MEETING	WORKSPACE	7
SHARED MEETING	WORKSPACE	7
SHARED MEETING	WORKSPACE	7
SHARED MEETING	WORKSPACE	8
SHARED MEETING	PODCAST ROOM	8
SHARED MEETING	WORKSPACE	50
SHARED MEETING	WORKSPACE	50
CIRCULATION	CIRCULATION	311
CIRCULATION	STUDENT BREAKOUT	33
SERVICE SPACE	LIFT	5
SERVICE SPACE	ELECTRICAL CUPBOARD	3
SERVICE SPACE	RISER	4
TOTAL		**520**
LEVEL 3		
AMENITIES	ACCESSIBLE WC	7
CIRCULATION	CIRCULATION	188
SERVICE SPACE	LIFT	5
SERVICE SPACE	ELEC.	3
SERVICE SPACE	RISER	4
TEACHING SPACE	BREAKOUT STUDY SPACE	12
TEACHING SPACE	BREAKOUT STUDY SPACE	12
TEACHING SPACE	GENERAL FLEXIBLE WORKING (25 PAX)	55
TEACHING SPACE	GENERAL FLEXIBLE WORKING (25 PAX)	55
TOTAL		**341**
TOTAL		**2173**

Overall Building

2173 m² = Within Budget

The Brief
Functional Requirements

CONSULTATION DATA

Confirmed Functional Requirements

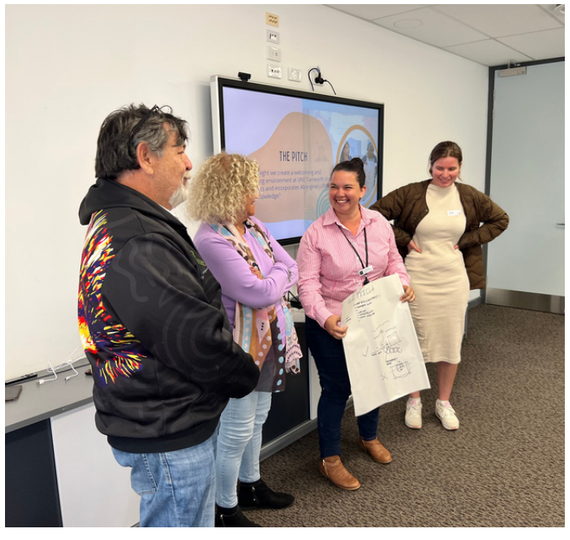
- 2x General Learning Spaces (50 pax)
- 1x General Learning Space (25 pax) on Ground Level to double as a Low-fidelity space
- Small space for staff (3 pax) on the Ground Level
- Counselling Room on Ground Level
- Parent Room on Ground Level
- Indigenous Centre to have separate entry
- 8x beds in Clinical Simulation Lab
- 6x beds in Clinical Consulation Room
- Consultation Room on L1 to be adjacent to Clinical Simulation Spaces
- Smart Region Incubator (SRI) on L1 and adjacent to main circulation zone
- 1x General Learning Space (25 pax) on Level 1
- 2x large shared workspaces (15 pax each) on Level 2
- 6x small shared workspaces (2 pax each) on Level 2
- 4x individual workspaces on Level 2
- 2x General Learning Space (25 pax) on Level 3
- 2x shared study space (3 pax) each on Level 3

Proposed Amenities

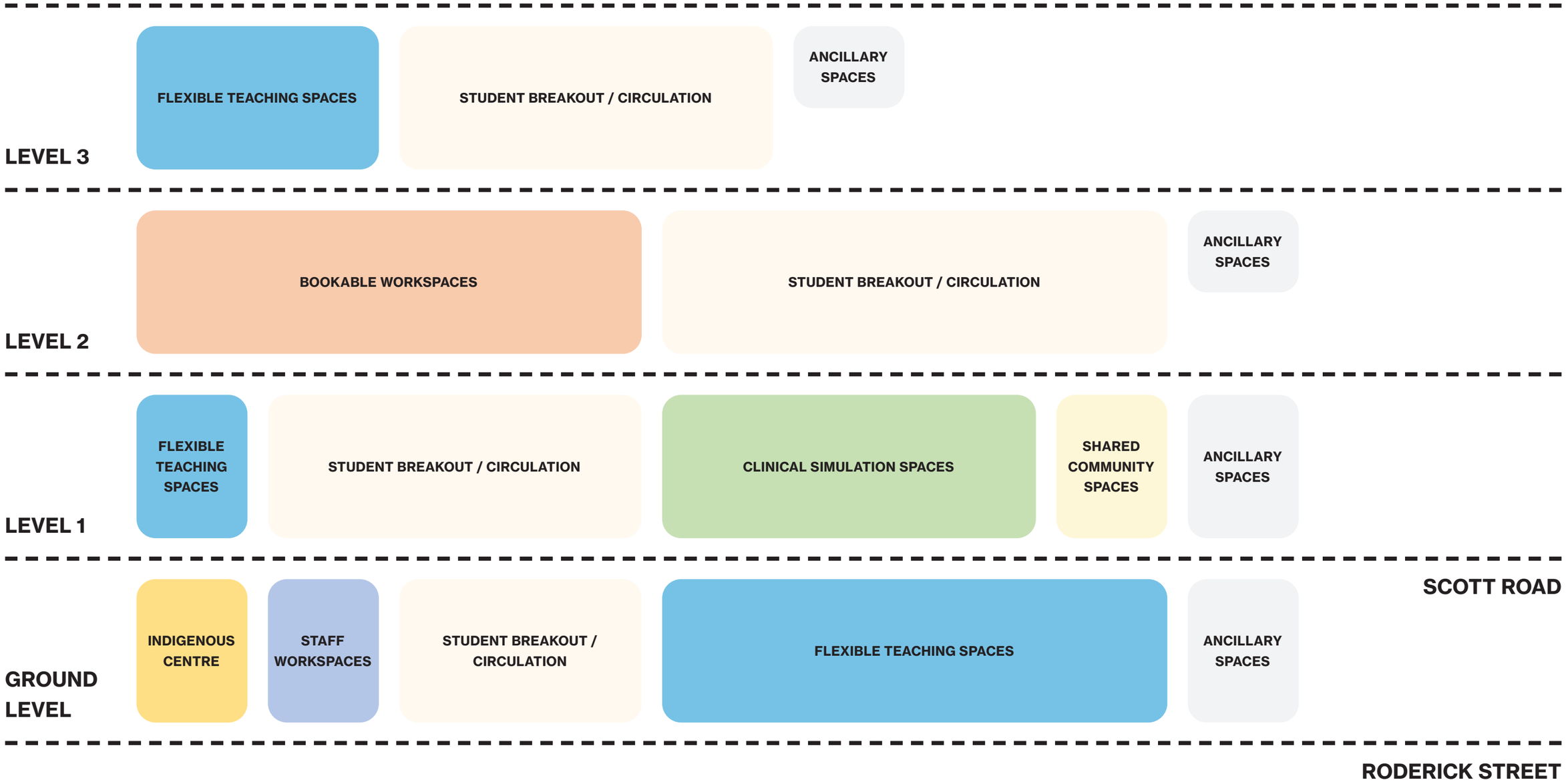
- Concierge Area
- High foot-traffic area to host events
- Additional provisions for 2-person office spaces
- Provision of small, quiet rooms (caves, nooks booths) in the breakout spaces to allow students to engage in simulations
- Additional small, consult-style rooms to be included (can also be usde by supervisors)
- Additional storage

Experiences

- Welcoming building
- Culturally safe
- Comfortable
- Designed for high quality teaching and learning
- Showcase clinical spaces
- Open to the community and for the community
- Child-friendly



The Brief
Functional Distribution



SECTION - PROGRAM DISTRIBUTION

4

CONNECTING WITH COUNTRY

HOW WE CONNECT WITH COUNTRY

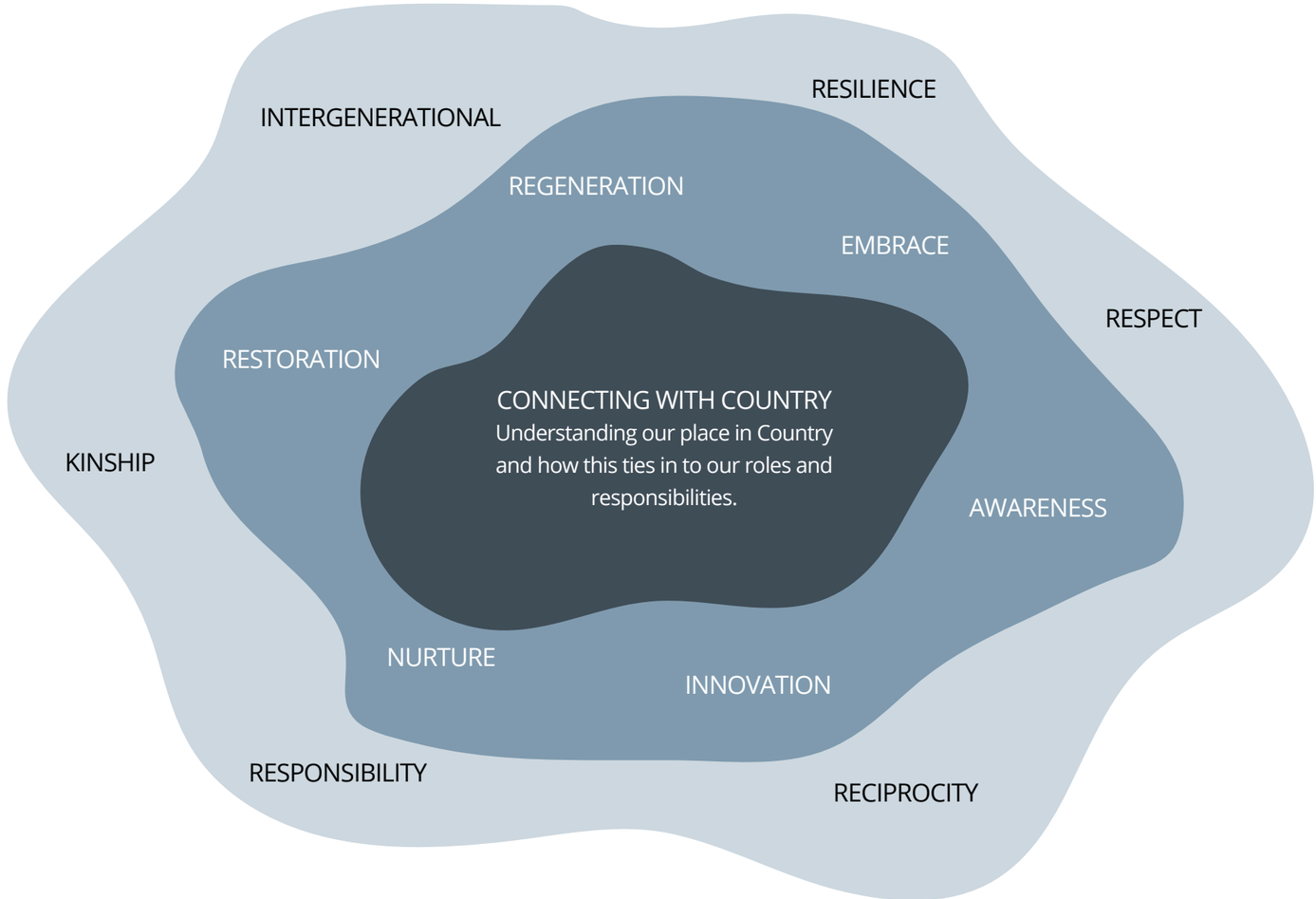
To connect with Country is to be grounded in the landscape and to practice the cultural knowledge stored within it. This encourages physical and emotional wellbeing for people and healthy Country.

Being connected to Country transcends language and culture, it is an interlaced system of action, emotion and experience. It highlights the many values that are similar across the cultures of our contemporary communities. Everyone can feel connected to Country.

Caring for and becoming a Custodian of Country means forming a strong relationship with all elements of Country that is based on respect, obligation and reciprocation. In order to create and maintain interconnection, it is imperative that Country contains endemic food and medicinal species, cultural resources, as well as keystone species and their habitats. These interdependent systems and relationships provide a framework for holistic infrastructure design, meaningful environmental policies and land management practices that are adaptive and regenerative.

Importantly, including First Nations knowledge of lands and culture at the onset of a project leads to design responses that are derived from knowledge of landscape variables and bio-cultural knowledge, creating meaning in placemaking conceptualisation and function.

Connecting to Country supports a socially inclusive, resilient, and innovative community that cherishes the wisdom and kinship of all cultures, captured through the lens of custodianship, creating wellbeing for all.



THROUGH SHARED EXPERIENCE

RESTORATION
Helping Country return to its pre-colonial state, and assisting it in continuing to thrive.

REGENERATION
Recognises that human and planetary health are deeply interwoven, and actively seeks to enable the flourishing of human and non-human life.

AWARENESS
Remaining in tune with Country and teaching others to improve their capacity to appreciate and learn from Country.

INNOVATION
Draw inspiration from Indigenous People's role as the first inventors.

NURTURE
Caring for and protecting the land on which the site sits.

EMBRACE
Embracing First Nation's knowledges and practices.

FOR AN INCLUSIVE COMMUNITY

INTERGENERATIONAL
Re-invigorating and prolonging First Nation's knowledges and practices for future generations.

RESILIENCE
Understanding through shared experience that we are connected.

RESPONSIBILITY
A sense of custodial obligation to each other and to Country.

RECIPROCITY
Everybody playing their part, exchanging goods and knowledges for the benefit of community and Country.

RESPECT
Ongoing respect and care to Country.

KINSHIP
Obligation to educate and teach generations to come about connection to Country.

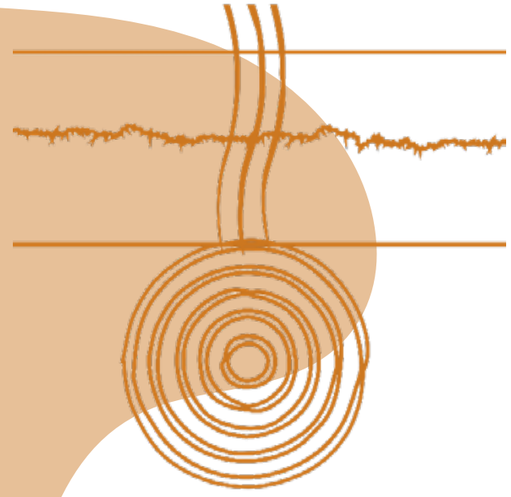
DESIGNING WITH THE ELEMENTS OF COUNTRY

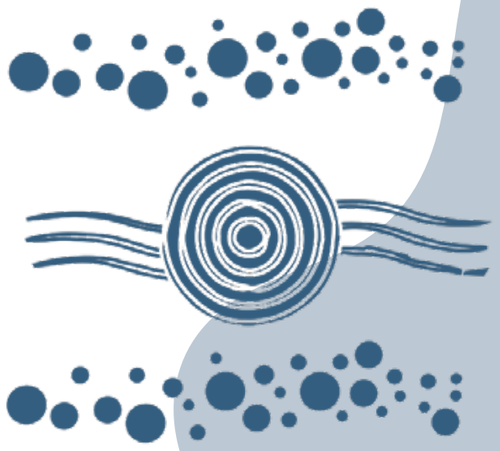
A way to think and learn about Country is to consider Country as made up of a series of interconnected elements and systems. Deep Country, Water Country, Move with Country, Wind Country, Non-human kin, and Sky Country. All of these elements represent different parts of Country and together showcase the roles they play in an overall system.Caring for Country is acknowledging these elements, their place on Country and the processes they are involved in. We inhabit and are inhabited by Country, so are required to care for and nourish her.

Preliminary research and an initial site visit has indicated that the UNE location in Tamworth has the potential to primarily speak to and celebrate Deep Country and Water Country, but is also applicable to all of the elements in a unique and special way.

DEEP COUNTRY

Deep Country is the most Ancient of connections and one that we honour for the many gifts it shares, such as the greenstone axe and the ochres that we paint with. When we dance we are celebrating and honouring the spiritual beings below our feet and their kin in Sky Country, representing the extent and connection of Country.





WATER COUNTRY

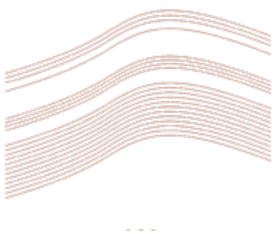
Water Country is the connective tissue, the circulatory system, the confluences and paths within and between Country. The meeting of salt and fresh water, where one drop forms setting a path through Country, connecting with story and landscape.

NON-HUMAN KIN

Restoration of riparian zone along the river bank and creation of habitat for animals that live there.

WIND COUNTRY

Designing with seasonal winds in mind, creating places to shelter from or embrace them.



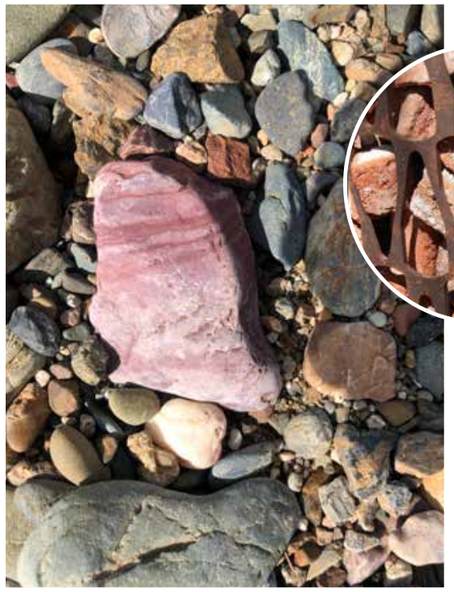
SKY COUNTRY

The incorporation of shadow play and the celebration of Gomeroi sunsets.

MOVE WITH COUNTRY

Designing with the systems of Country and ensuring a whole of system approach, prompting more meaningful relationsips with Country.

INITIAL CONNECTING WITH COUNTRY DESIGN APPLICATIONS

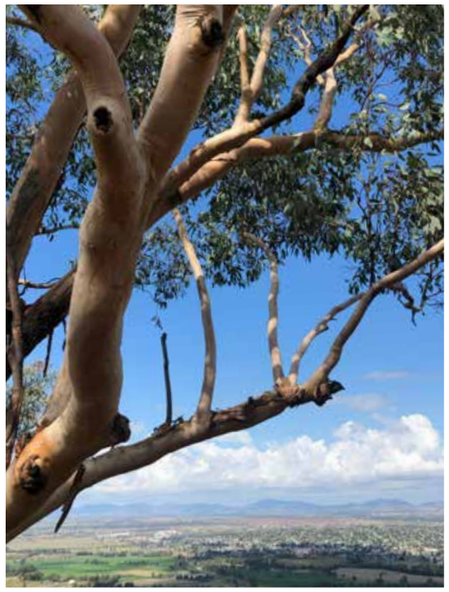


PINK RIVERSTONE FOUND ALONG THE BANKS OF THE CALALA RIVER.

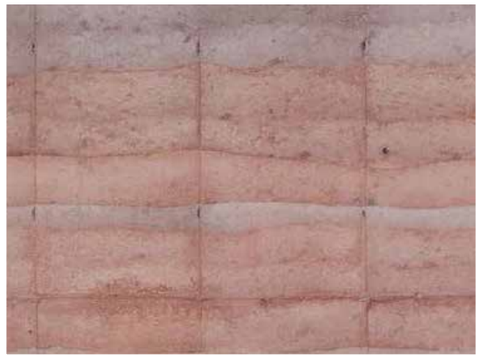
Colour palette inspired by the pinkish hues of the Calala river stones. This smooth materiality is reminiscent of the eucalypt trunk we saw at Oxley Scenic Lookout.

Diverse seating options that enable users of the space to relax and spend time with and on Country. Seating that informal and allows them to take a break from the pressures of their academic studies.

There is an opportunity to celebrate Sky Country in this region. Tamworth is home to striking sunsets. The way light interacts with different elements in the landscape is something to be considered in design through shadow play, patternation and building facade.

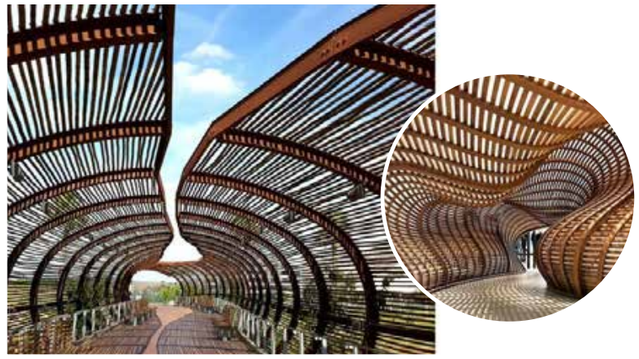


EUCALYPT TRUNK AND THE VIEW FROM OXLEY SCENIC LOOKOUT



Rammed earth could be utilised to replicated the different layers of colour found within the Calala river stones. Similarly, the rammed earth layers are reflective of the surrounding mountains which capture the light differently, especially at golden hour, depending on their position in the horizon.

Another example of informal seating that is inspired by the natural materiality of Country and incorporates endemic plant species.

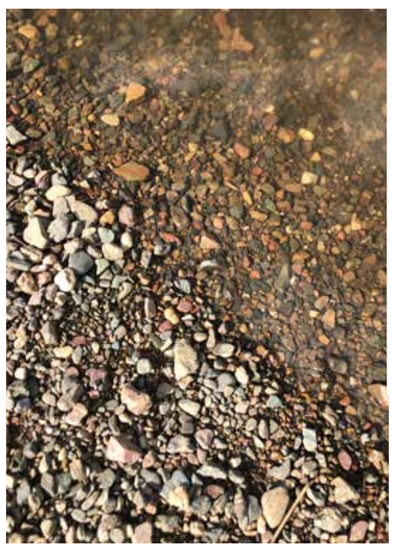


A canopy feature could be one way of honouring Sky Country whilst also paying tribute to the traditional and contemporary weaving practices of women in the region.

YERRABINGIN

INITIAL CONNECTING WITH COUNTRY DESIGN APPLICATIONS

A CLOSE UP OF THE EDGE OF THE CALALA RIVER



Celebrate Deep Country through the creation fo artificial riverbeds and incorporation of riverstones throughout the site.

Riverstones can be arranged in a way that is representative of the river's flow or form.

Experiment with the scale of different form inspirations.

Include dry creek beds and rain gardens that filter water and give back to Country.

THE CURVE OF THE CALALA RIVER BANK

Explore the possibilities of including running water on through the site. Where this is not possible, patternation or paving can be utilised in its place.

Inclusion of gabion cages to enable people to engage with Deep Country outside of the ground plane.

Deep Country and Water Country informed traditional life along the river. Take inspiration from the forms of grinding grooves and stones. These can have different activations during wet and dry periods.

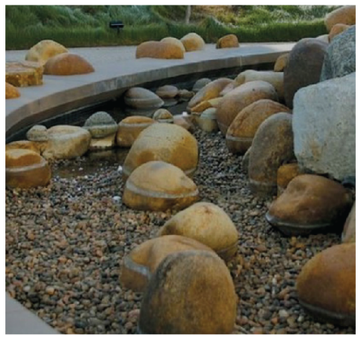
Create seating areas that change with the systems of Country, particularly focusing on flooding events.

YERRABINGIN

Connecting with Country
Design Principles

Connection to the River

Acknowledging and connecting to Water Country within the site will allow students to understand its cultural significance to the Kamilaroi and our non-human kin. The site should reference and celebrate its flow, original curves and bends and the diverse ecosystems it holds through the architecture and landscape.



Sensory Experiences

Sensory experiences can be included within the site by incorporating natural materials which reflect the geology, textures, and colours of the landscape. Incorporating endemic seasonal plants touching on smell and including elements of water for touch to create dynamic and changing experiences.

Connection to the Wider Context

Creating physical and spiritual connections to the significant cultural landscape within the wider area. Incorporating vantage points and seating areas for reflective thought out to the river and up to the mountain range.

YERRABINGIN

Connecting with Country
Design Principles

Interconnected Landscapes

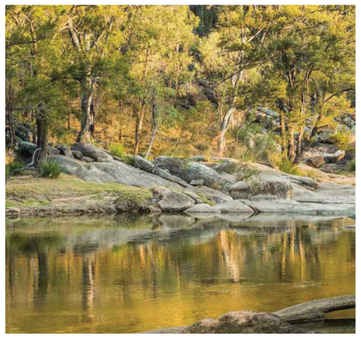
Reflecting the wider natural context by drawing inspiration from Tamworth's rich and diverse ecologies through design elements. Creating a set of interconnected landscapes within the site that celebrate the contrast between the different ecologies to create spaces with their own unique identities on the site.

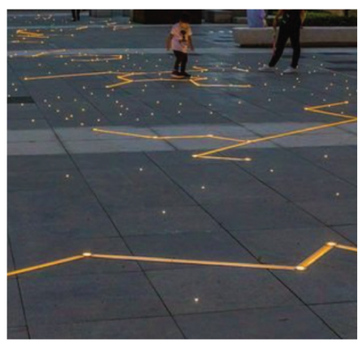
Connection to Sky Country

Creating a physical connection to Sky Country for the users of the space through openings and outdoor spaces. This will enhance the wellbeing aspect of the site and allow people to develop an understanding of the Kamilaroi's strong connection to Sky Country.

Intergenerational Learning

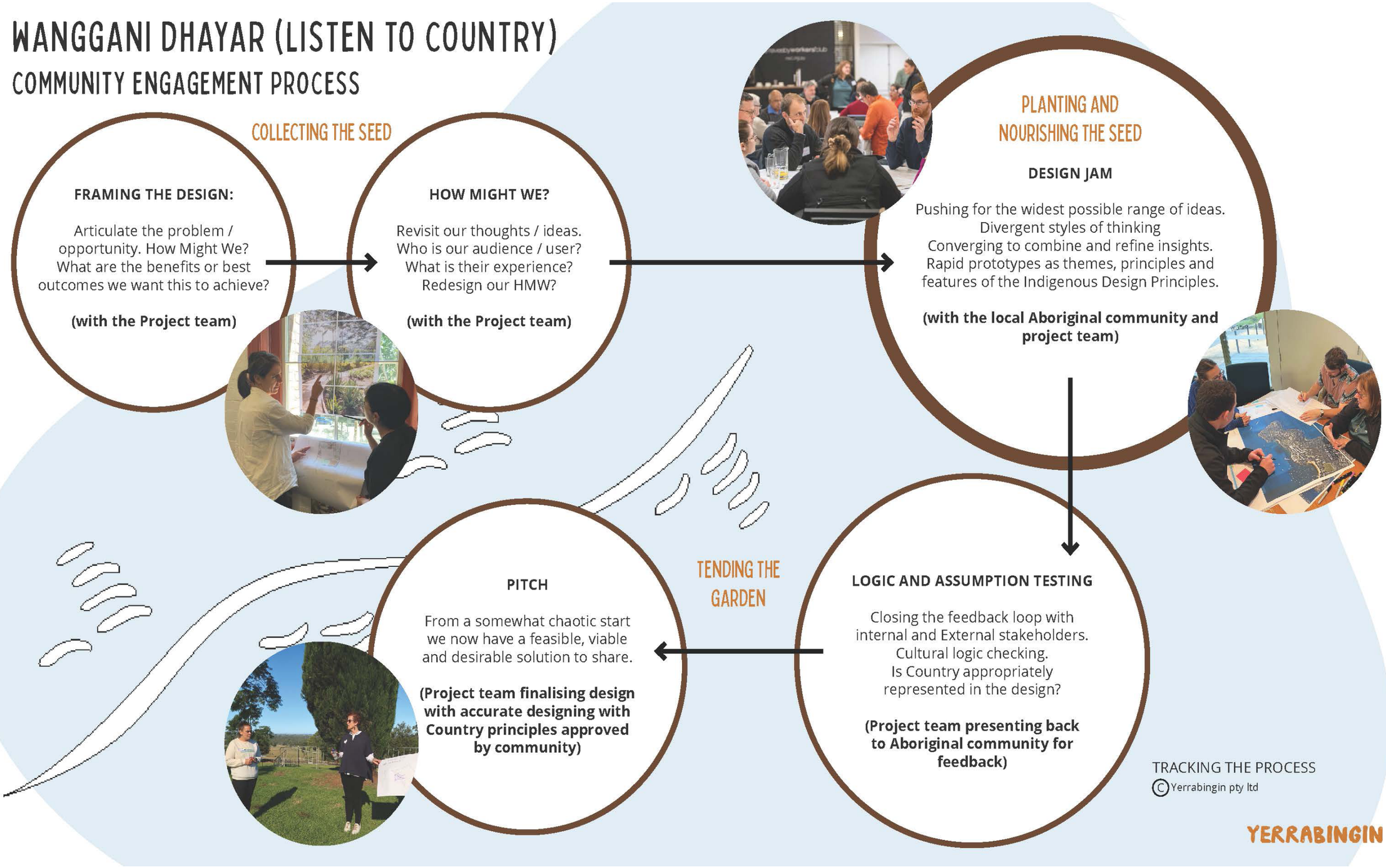
An understanding of Country leads to the ability to learn from Country. The site should encourage people to learn from the land and from each other. Designing spaces for informal and formal learning, and for people of all ages and abilities to learn about Kamilaroi life and culture on site.





YERRABINGIN

Connecting with Country
Design Principles

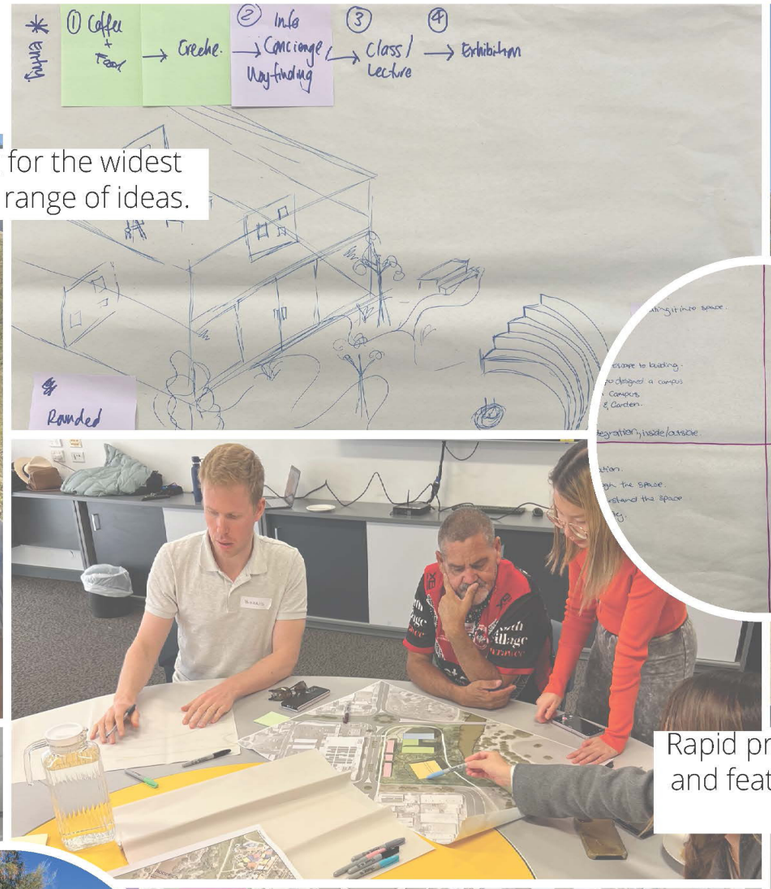


DESIGN JAM

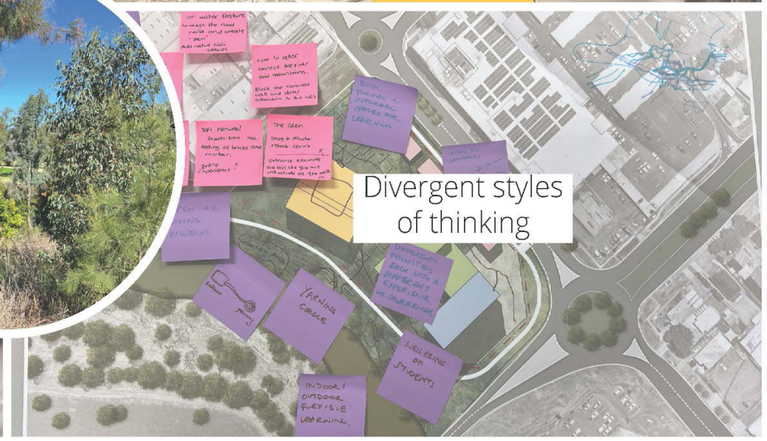
03.05.23

Converging to combine and refine insights.

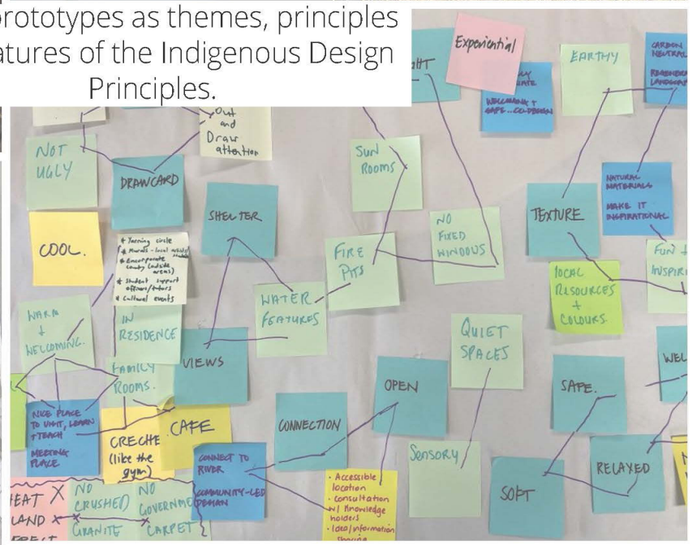
Pushing for the widest possible range of ideas.



Divergent styles of thinking



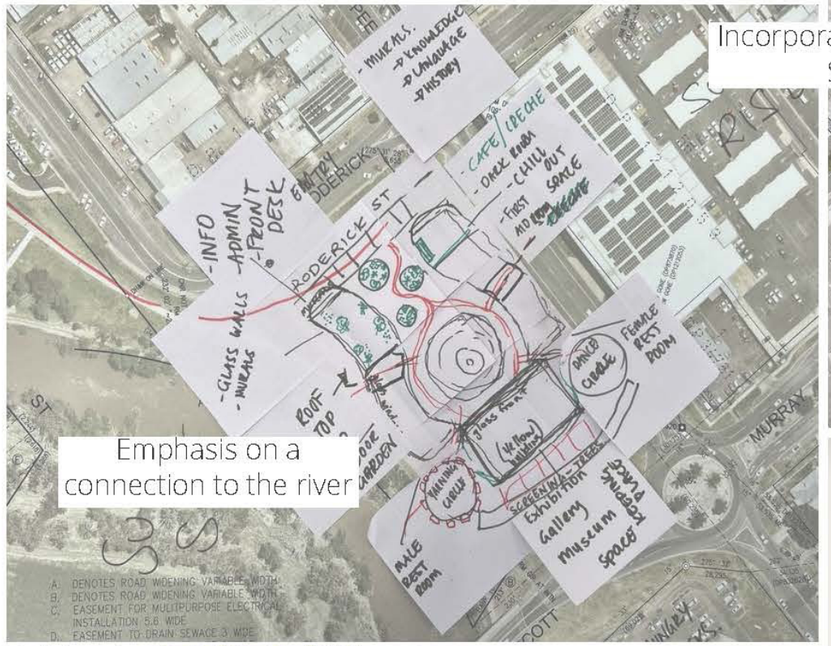
Rapid prototypes as themes, principles and features of the Indigenous Design Principles.



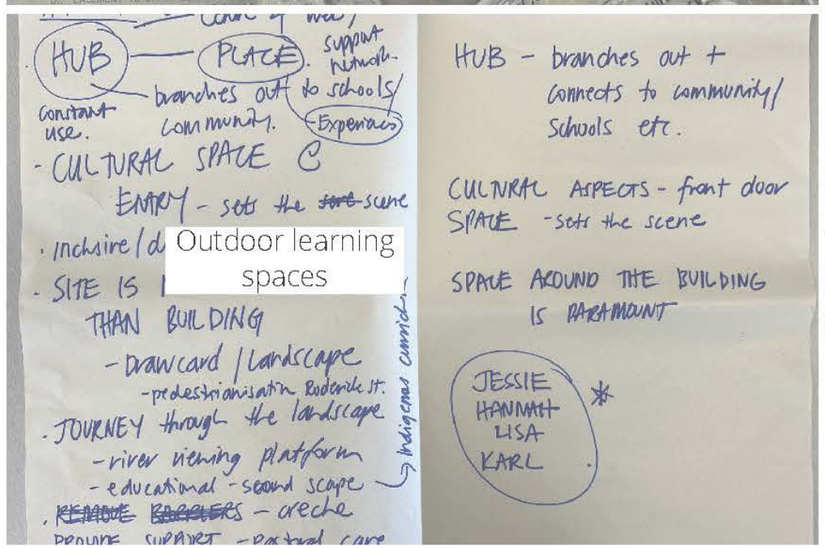
YERRABINGIN

DESIGN JAM OUTCOMES

03.05.23

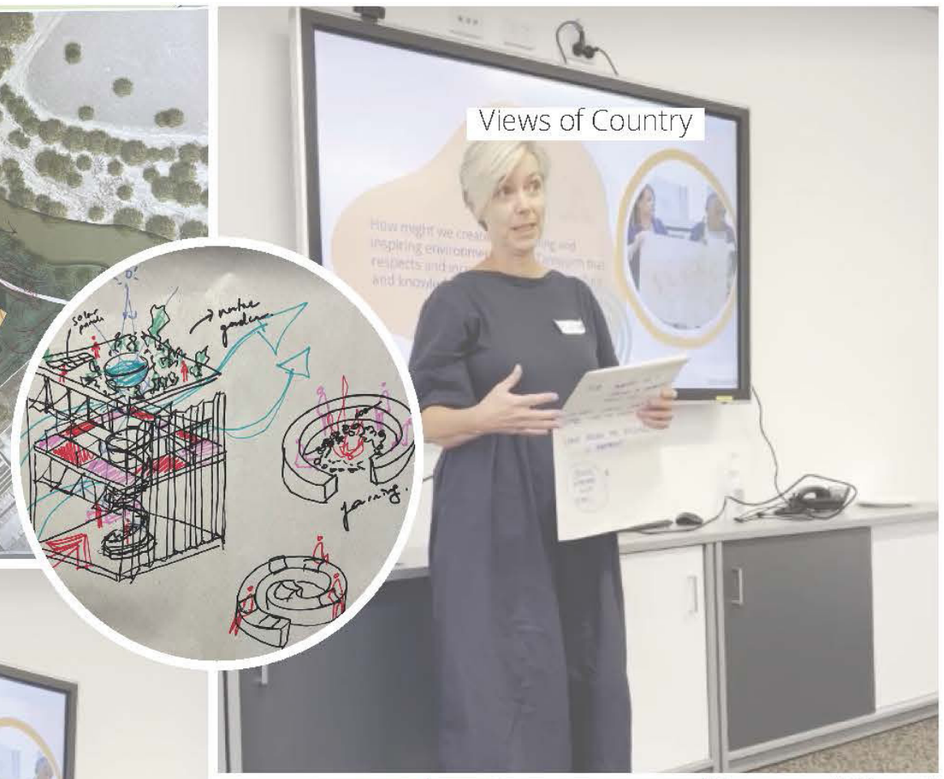


Emphasis on a connection to the river



Outdoor learning spaces

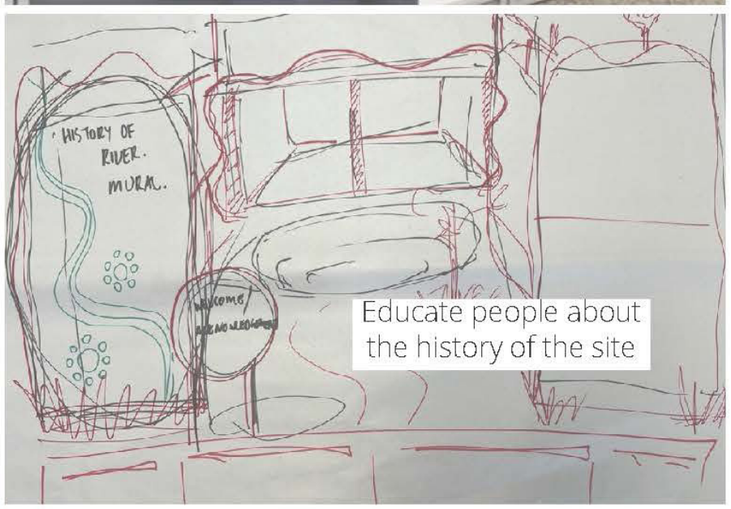
Incorporating Sustainable Systems



Views of Country

An evolving and dynamic experience

Ongoing consultation and collaboration with the Indigenous Community



Educate people about the history of the site

YERRABINGIN

UNE TAMWORTH

KEY THEMES

THE VOICE OF THE RIVER

The Calala, Peel River is a dynamic, living system that has held a central significance to human and non-human kin for centuries. For Kamilaroi people it is a living ancenstral being that must be cared for and protected. Its banks, water and flow act as routes of communication, carrying cultural stories, knowledges and wisdom.

INTERWOVEN KNOWLEDGES

Indigenous knowledge is ancestral, they hold an inherent connection with Country and a reciprocal respect and responsibility for it. On the contrary, there is a permeating gap within Western knowledge surrounding our embeddedness with ecosystems and our non-human kin. However, caring for Country can be learnt, with this site providing a perfect opportunity to intertwine the two knowledges, provoking thought, consideration and change.

AS ABOVE, ECHOED BELOW

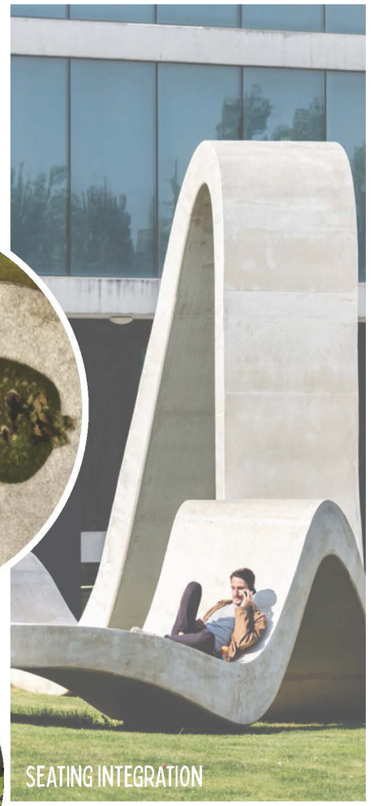
The Kamilaroi hold a strong cultural and spiritual connection with Sky Country, it is a connective tissue that links the below with the above, the land and the sky. It holds a richness of stories and knowledge that have been orally transferred through thousands of generations.

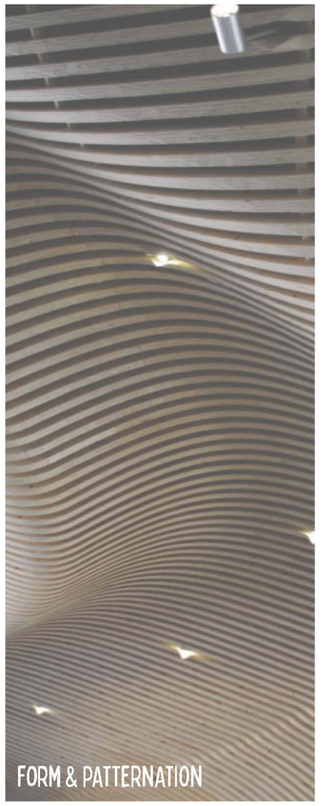
YERRABINGIN

THE VOICE OF THE RIVER

The river should be showcased. Providing views out to the river and large windows for people to connect to the broader landscape and beyond. Soundscapes of the river and local birdlife to fill the building with natures music and creating a relaxing environment for people to be part of. Building materiality to mimic the patternation and flow of water moving through the buidling organically, becoming seating, walls, ground wayfinding - creating a connected space.

RIVER VIEWS


SEATING INTEGRATION


FORM & PATTERNATION

WATER INCORPORATION

CONTEMPLATIVE SPACE

The landscape to be organic in form and feature endemic plant species in order to connect to the sites ecological context.
Opportunity for water to be integrated into the design with local river species growing on site.
Incorporation of seating structures to be used within the landscape that cater for both individual and collective experiences, and create a surrounding space that can enhance the senses and further connect people to Country.

A sanctuary and safe haven for humans and non human kin alike. Enhance habitat for local birds, insects, small mammals and lizards to create a biodiverse landscape. Integrate a wetland into the site to enhance biodiversity and ecology - students can then interact with and learn from this environment.

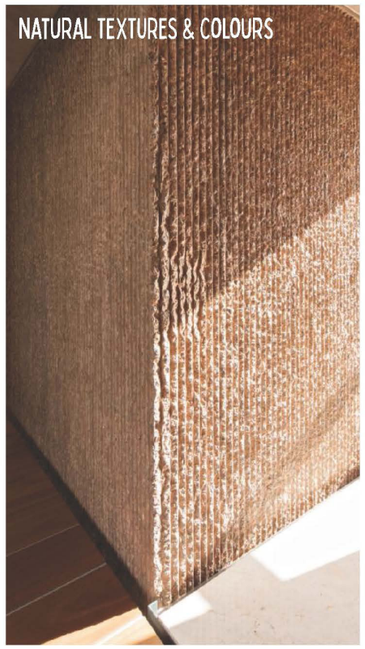
UNE TAMWORTH

INTERWOVEN KNOWLEDGES

The site is an educational hub to inspire, teach and connect the future generations. It's a place that Country is reflected in so that people can learn of her spirit and contribute to the care of her. Opportunities for storytelling, creating spaces for gathering under shelter or in break out spaces for students. Collaboration with local First Nations artists to create steel cut pieces speaking to these stories of Country.

SHELTER

OUTDOOR LEARNING SPACES


NATURAL TEXTURES & COLOURS

The incorporation of cultural patterns and techniques into design elements. Water sensitive urban design elements incorporated to ensure the health and wellbeing of the river and borader water network by cleaning run off and stormwater before it entering the system.

ART COLLABORATION

Creating spaces in the landscape for people to get the warm sun during the cooler months and shade during the warmer months.

Ensuring a clear connection is made between the surrounding environment and textures / materials / forms that are designed on site.

The incorporation of seating throughout, and the creation of spaces that allow for individual or group learning, both formal and informal.

LOCAL STORIES & NARRATIVES
INCORPORATED INTO DESIGN ELEMENTS

YERRABINGIN

UNE TAMWORTH

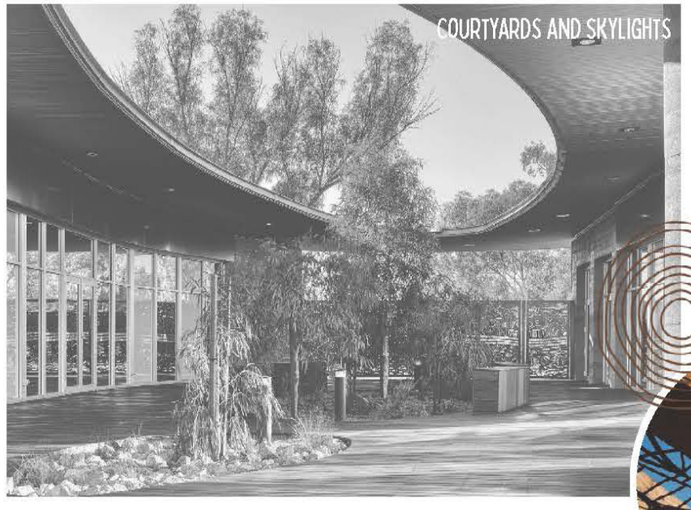
AS ABOVE, ECHOED BELOW

Connection to sky by providing views out to sky Country. This can be explored through sky lights / voids within the buidling, providing seating for people to lay down and look up at the sky within the landscape, conceal views to the sky with shelter or tree canopy, having shadow play opportunities on the ground plane, night time light installations for wayfinding and connection to story, framing views with unique window shapes to highlight something (ie constellation, sunrise, full moon)

EXTERNAL SPACES

REFLECTIVE MATERIALS

Showcasing the spiritual and physical connection between the sky, water, wind, deep and no human kin Country through seasonality, materials, plant species, water movement and form in the design.


COURTYARDS AND SKYLIGHTS

NIGHTTIME ACTIVATION

WARRUMBUL - MILKY WAY

SEATING

INTERPRETIVE INSTALLATIONS

YERRABINGIN

UNE TAMWORTH

PLANT SPECIES

RIVER OAK RIPARIAN TALL WOODLAND

Angophora floribunda

Casuarina cunninghamiana

Eucalyptus blakelyi

Eucalyptus bridgesiana

Eucalyptus laevopinea

Eucalyptus melliodora

Ficus rubiginosa

Melaleuca bracteata

Acacia implexa

Acacia neriifolia

Bursaria spinosa

Callistemon sieberi

Cassinia laevis

Clematis glycinoides

Eustrephus latifolius

Leptospermum brachyandrum

Rubus parvifolius

Adiantum aethiopicum

Carex appressa

Chloris virgata

Cyperus vaginatus

Doodia aspera

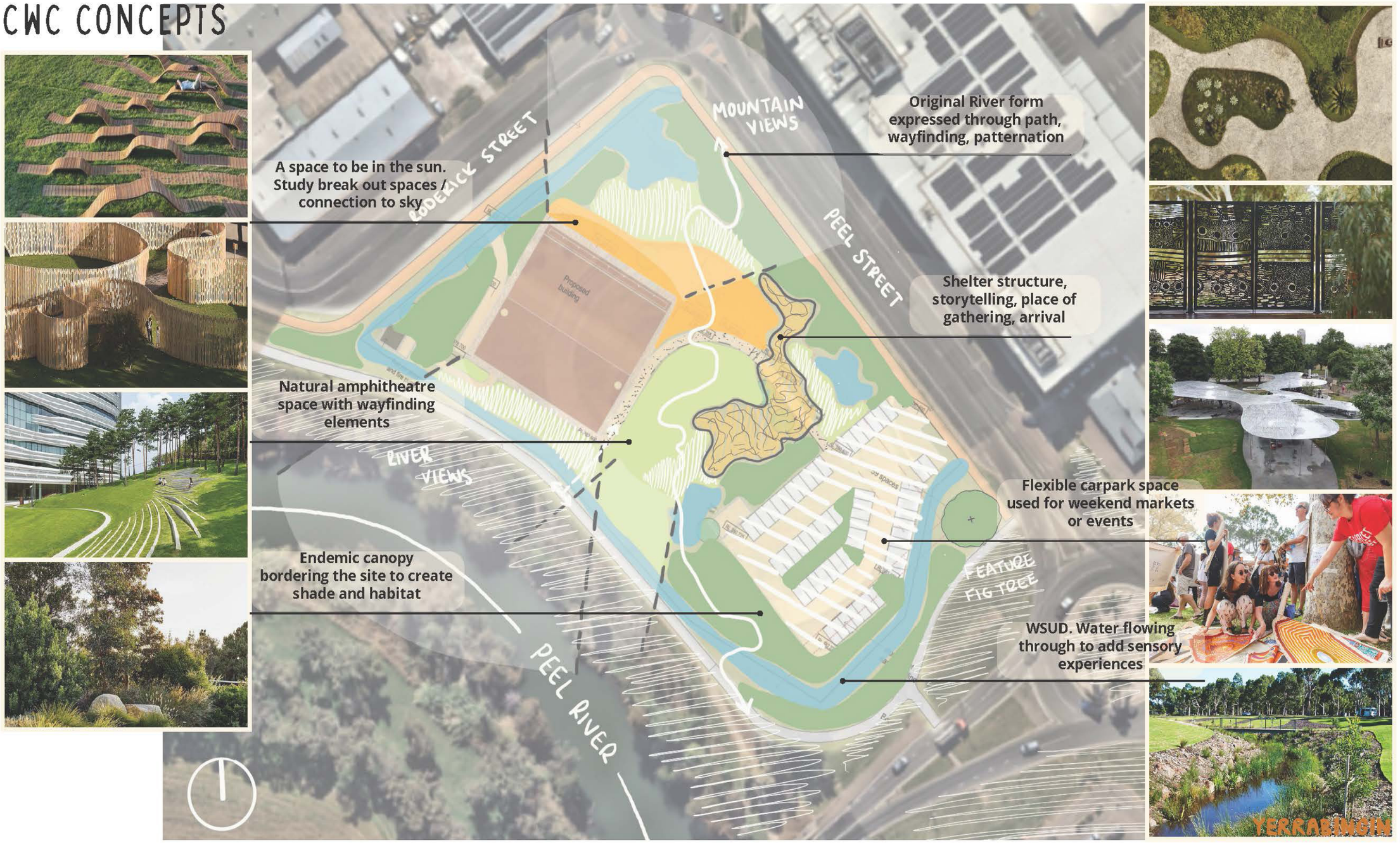
Lomandra longifolia

Wahlenbergia communis

YERRABINGIN

UNE TAMWORTH

Connecting with Country
Design Principles



5

VISION

Vision
True North Statement

"Our design centres on the acknowledgement of Country, creating a place to share knowledge and the wisdom of its custodians. Inspired by the colours, sounds, textures and elements of Country, creating connection with the waters, the plains and the mountains within Kamilaroi/Gomeroi Country. The buildings and the landscape create a refuge where we are joined by our Non-Human kin and infused by the elements of Country, to listen, learn, explore and flourish at the edge of the water."

Christian Hampson.
CEO Yerrabingin

Vision
Project Aims & Objectives

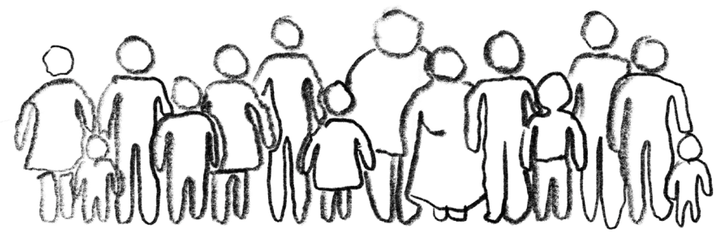
PROMOTING STUDENT SUCCESS
PROMOTING EQUITABLE ACCESS TO LEARNING

INCLUSIVE, EQUITABLE + WELCOMING CAMPUS

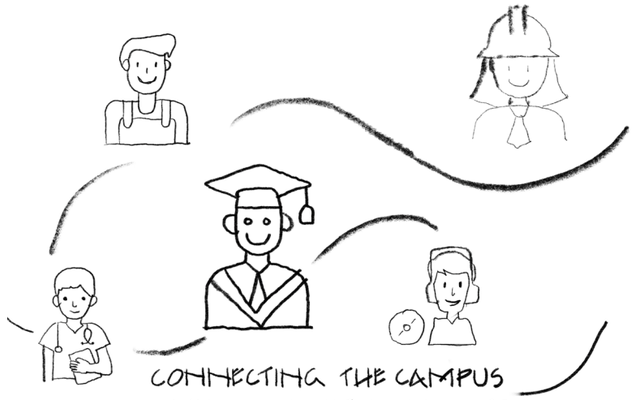
DESIGNING WITH FIRST NATIONS

CONNECTING WITH COUNTRY

DESIGNING WITH COMMUNITY



DELIVERING FOR COMMUNITY



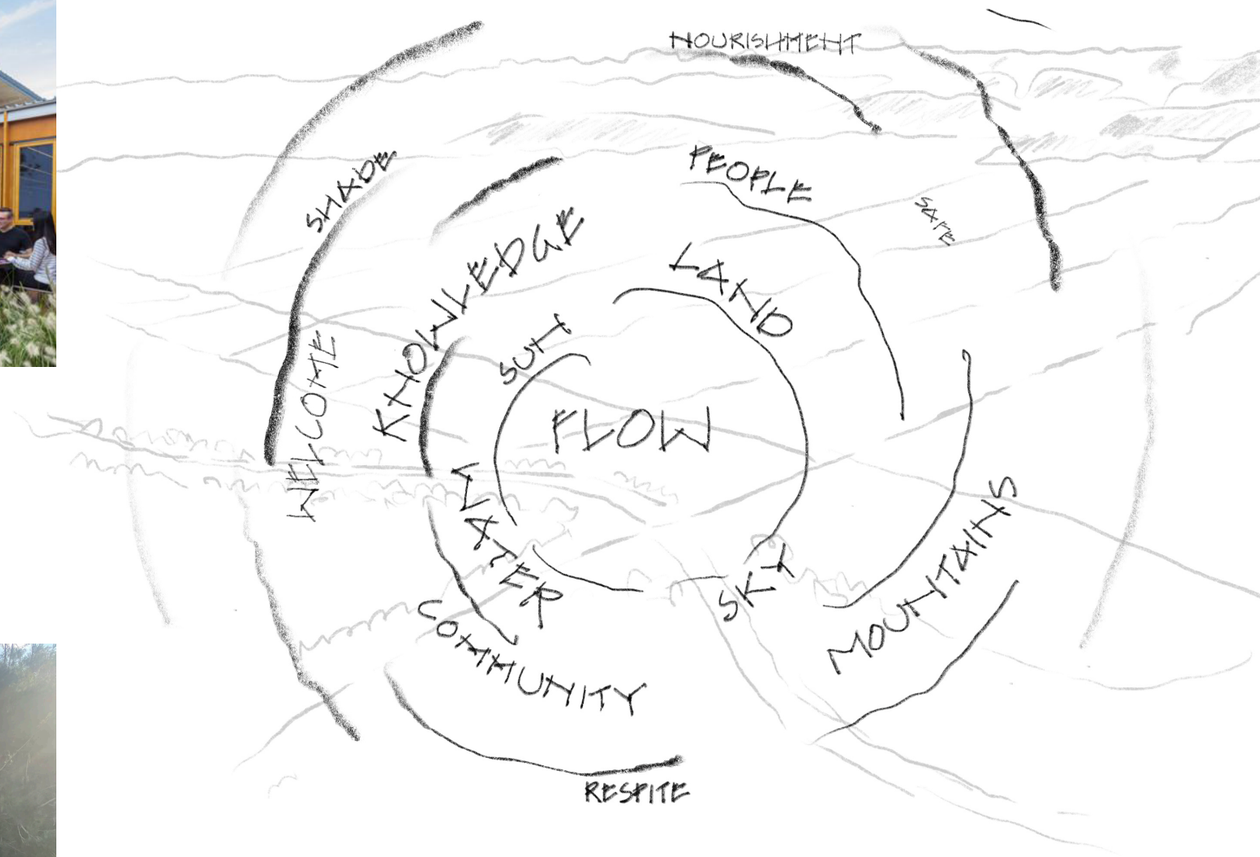
CONNECTING THE CAMPUS WITH COMMUNITY + INDUSTRY

ARCHITECTURALLY SIGNIFICANT + CULTURALLY, COMMUNITY, + ENVIROMENTALLY SENSITIVE

ADAPTABLE, PRACTICAL + DIGITALLY ENABLED

Vision
Flow

Flow of Knowledge
Reciprocity



Flow of Space

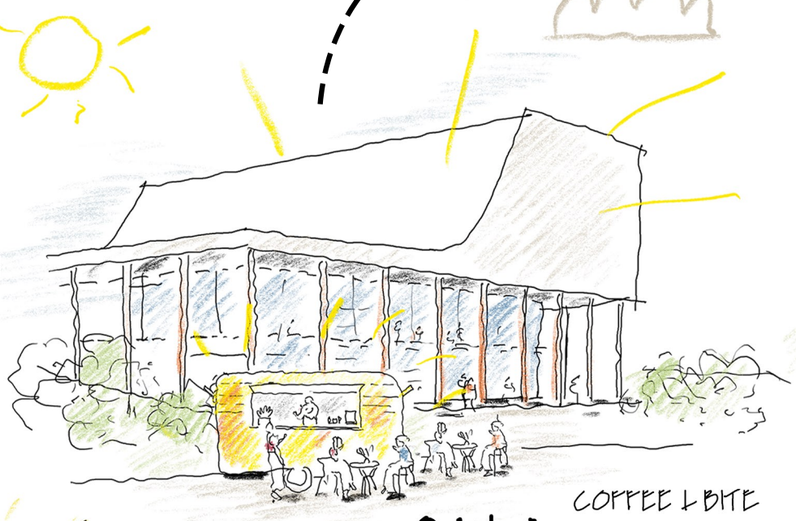
Flow of Learning

Flow of Country
Learning from country + giving back to country

Flow of Materials

Flow of Ideas

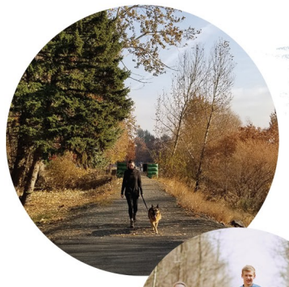
Vision
A Day in a Life

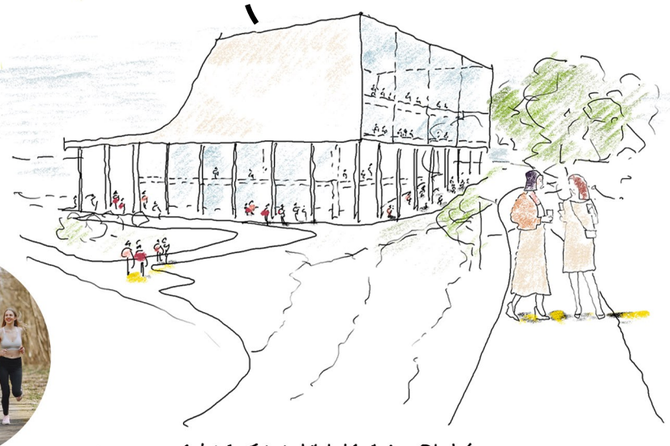


8AM COFFEE & BITE TO EAT WITH FRIENDS

9AM
READY FOR THE DAY AT UNE'S AMAZING NEW CAMPUS AT TAMWORTH

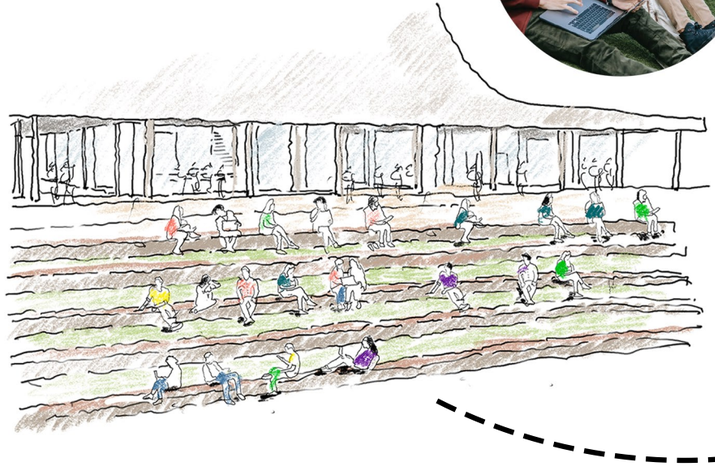
10AM ENJOY STUDYING & THE BEAUTIFUL VIEWS OF THE PEEL RIVER FROM THE RIVER ROOM





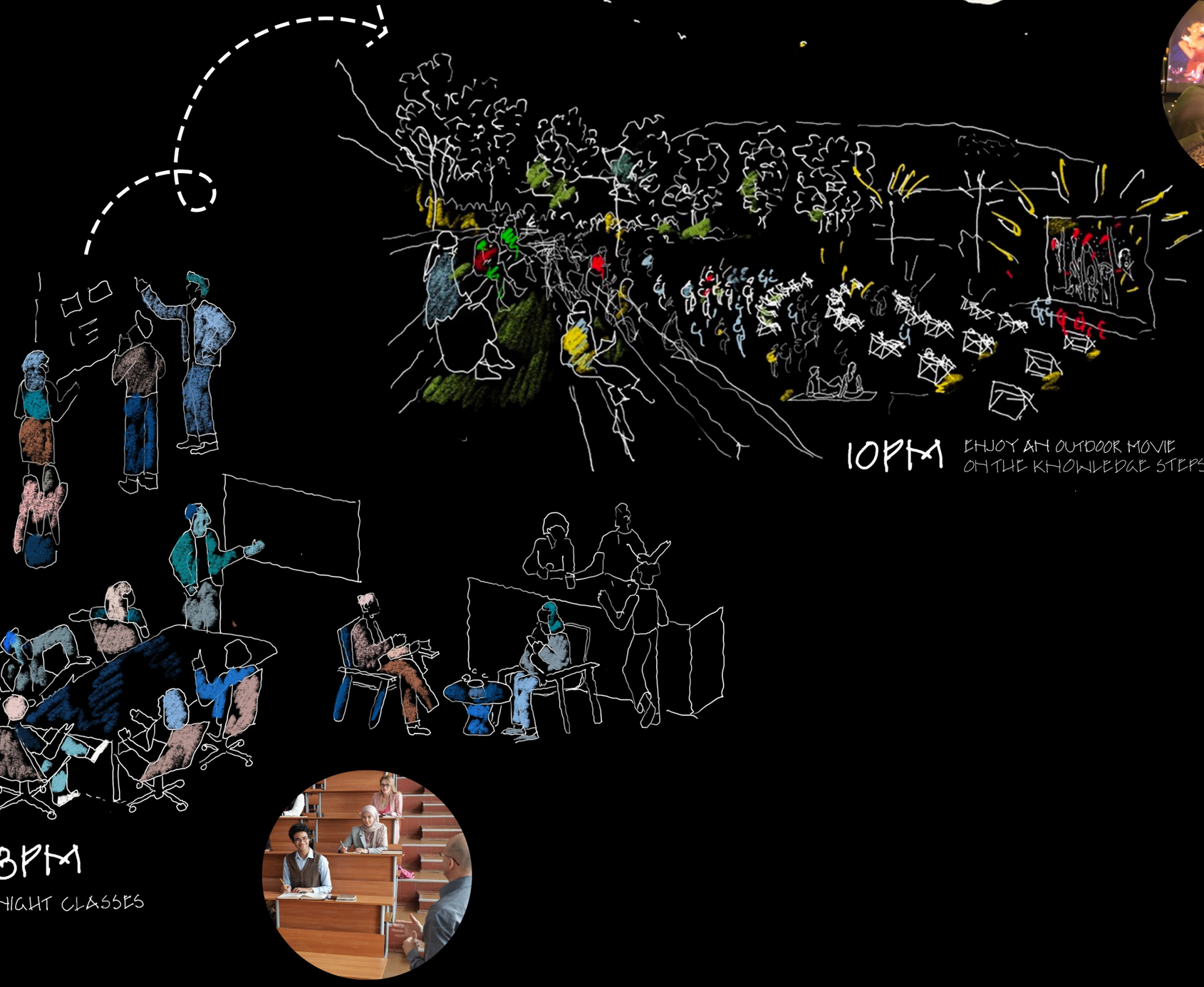
7AM CHAT & WALK ALONG THE RIVER

11AM
A WONDERFUL LEARNING EXPERIENCE



1PM
LUNCH ON THE KNOWLEDGE STEPS

Vision
A Day in a Life



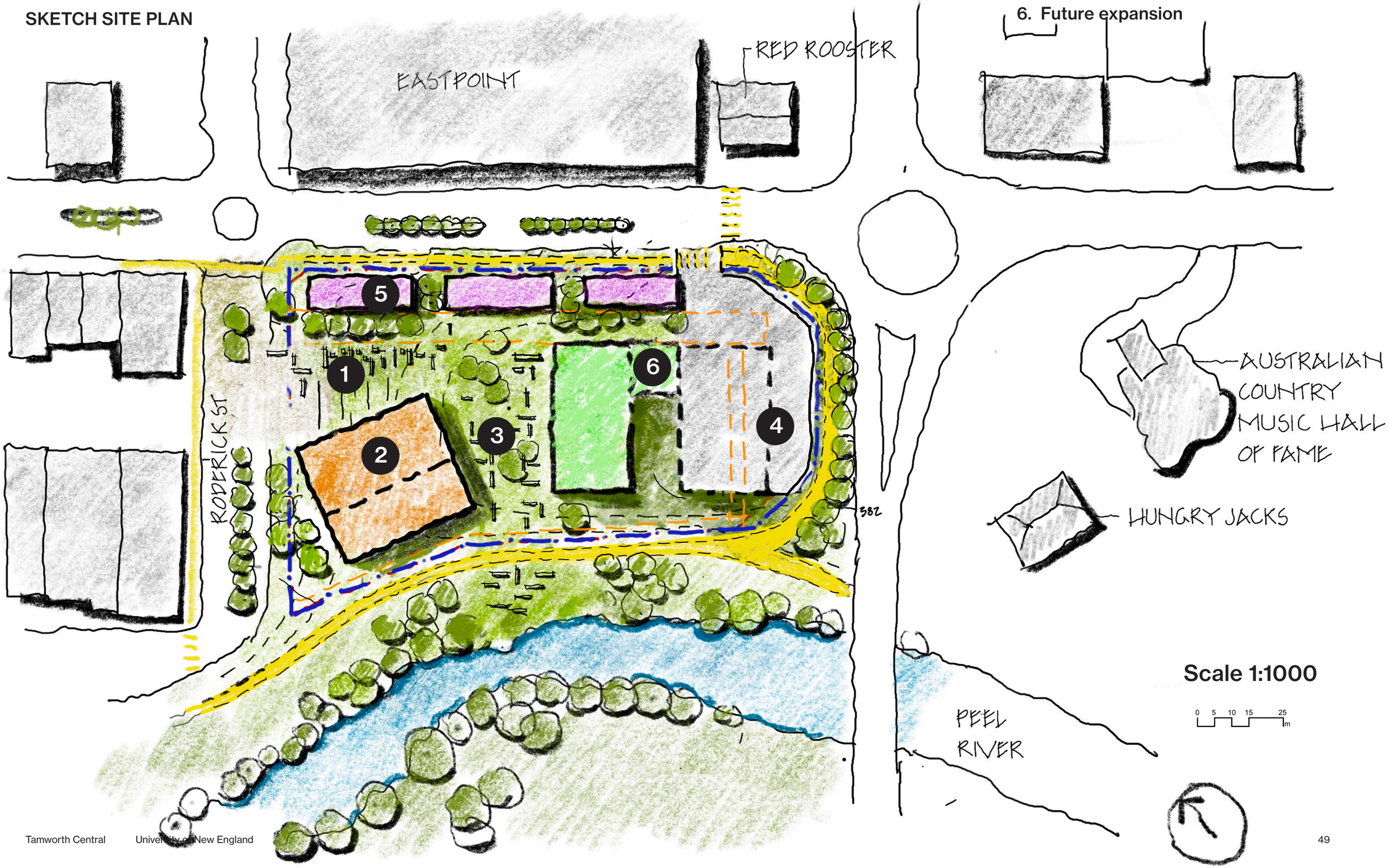
6

ARCHITECTURAL DESIGN

Architectural Design
Concept Validation

1. Campus entry
2. Foundation building
3. Knowledge green
4. Car park, temp + future
5. Temporary street pop ups
6. Future expansion

SKETCH SITE PLAN



Scale 1:1000

0 5 10 15 25 m

Architectural Design
Concept Validation

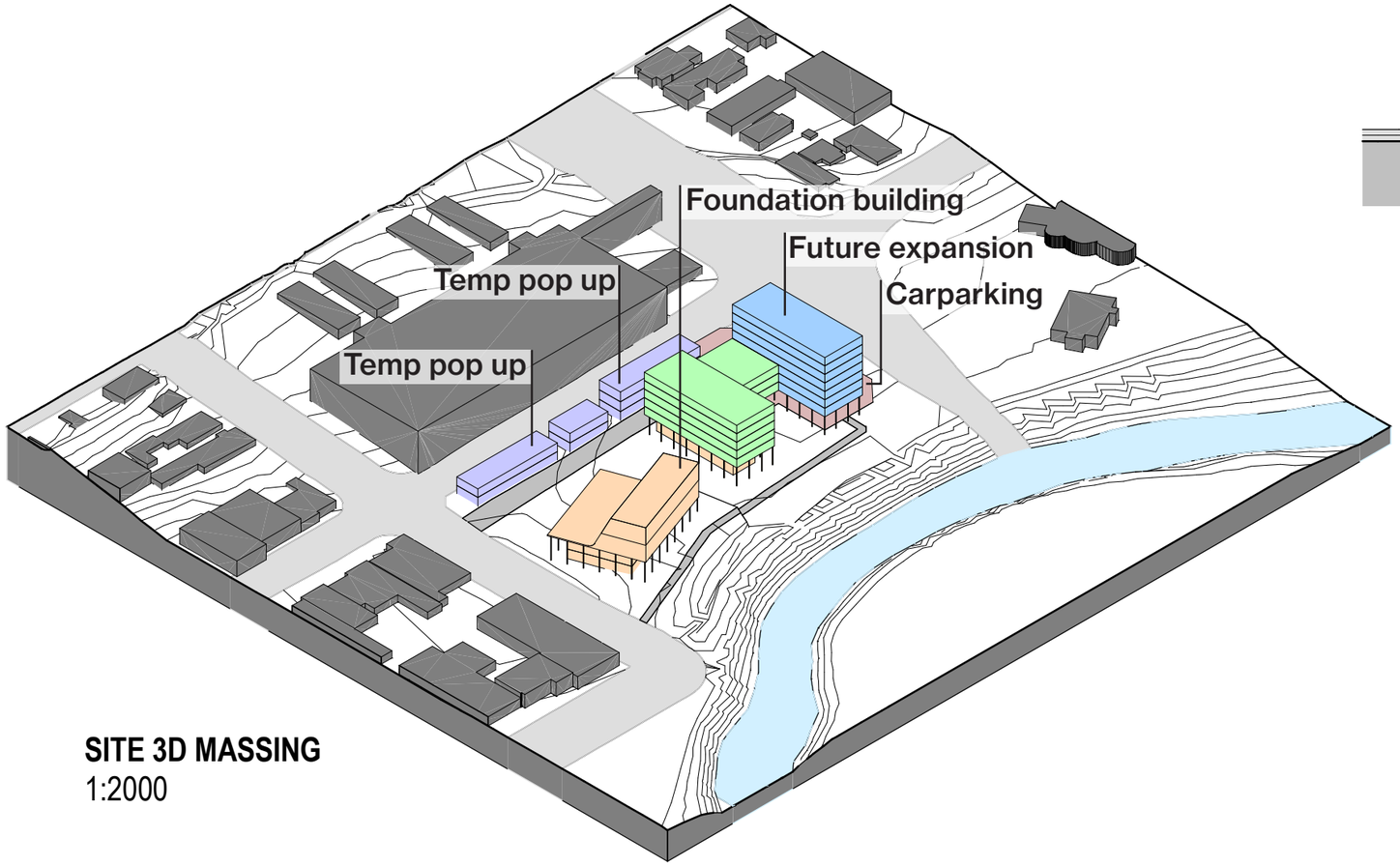
ILLUSTRATIVE SITE PLAN

1. Campus entry
2. Foundation building
3. Knowledge green
4. Car park, temp + future
5. Temporary street pop ups
6. Future expansion

Scale 1:1000

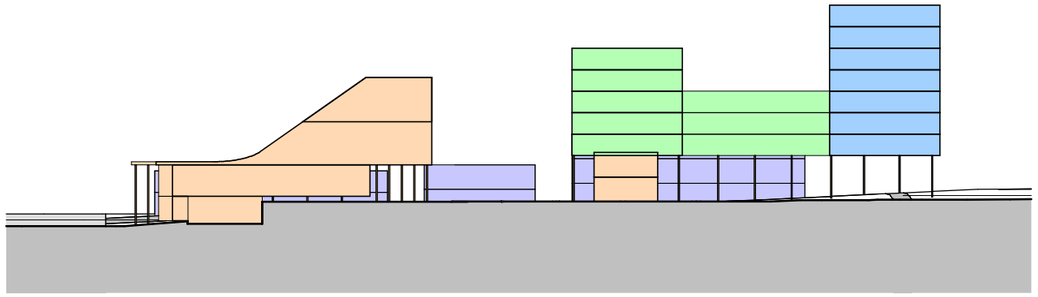
0 5 10 15 25 m

Architectural Design
Concept Validation

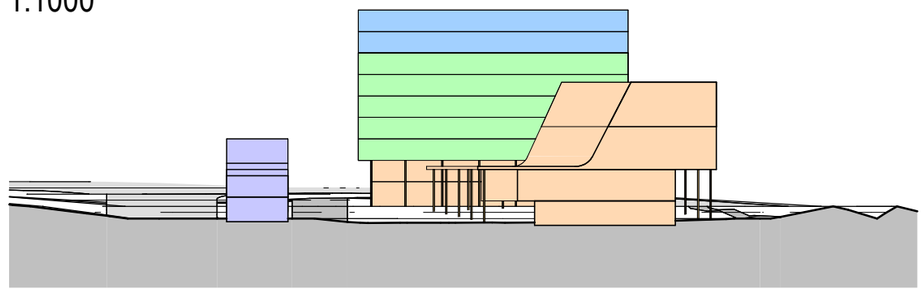


SITE 3D MASSING
1:2000

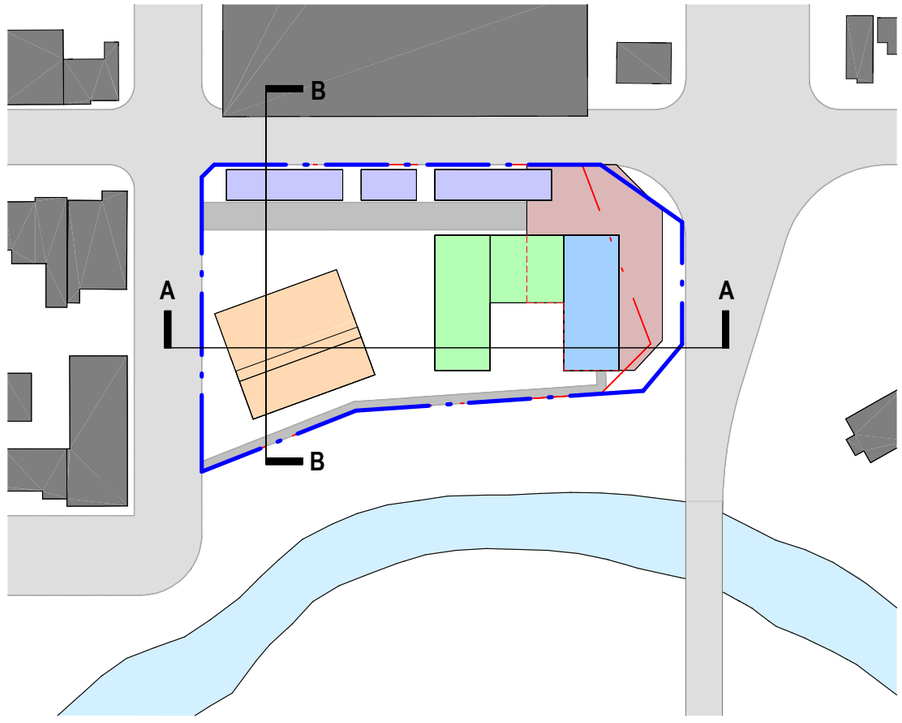
BUILDING	LEVELS	AREA	COMMENTS
A	4	3265 m^2	+ 360m^2 x 2 = 720m^2
B	5	5855 m^2	
C	2 + 2 + 3	2800 m^2	
CARPARK	1	2540 m^2	
SITE EXPANSION	7	7770 m^2	



SECTION A-A
1:1000

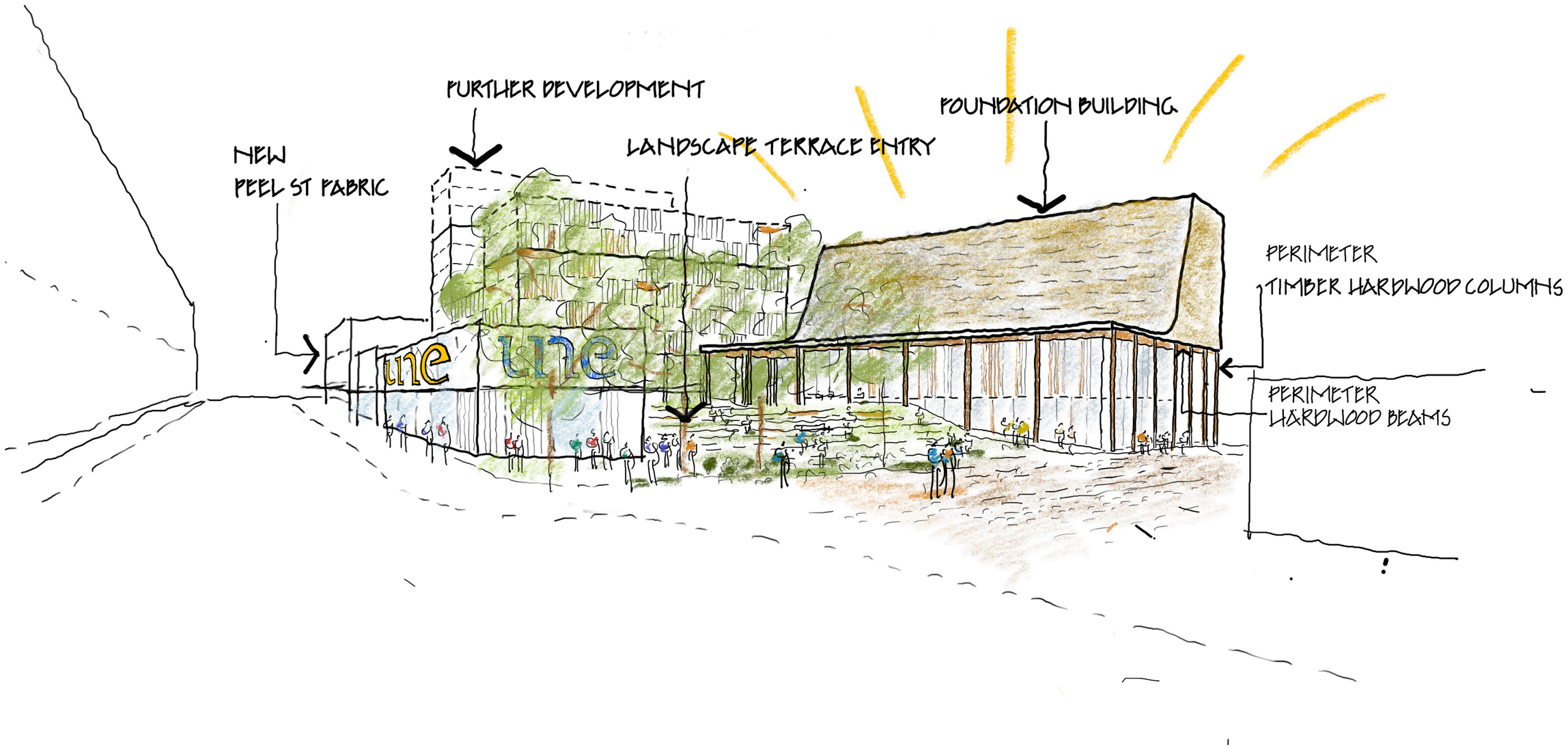


SECTION B-B
1:1000

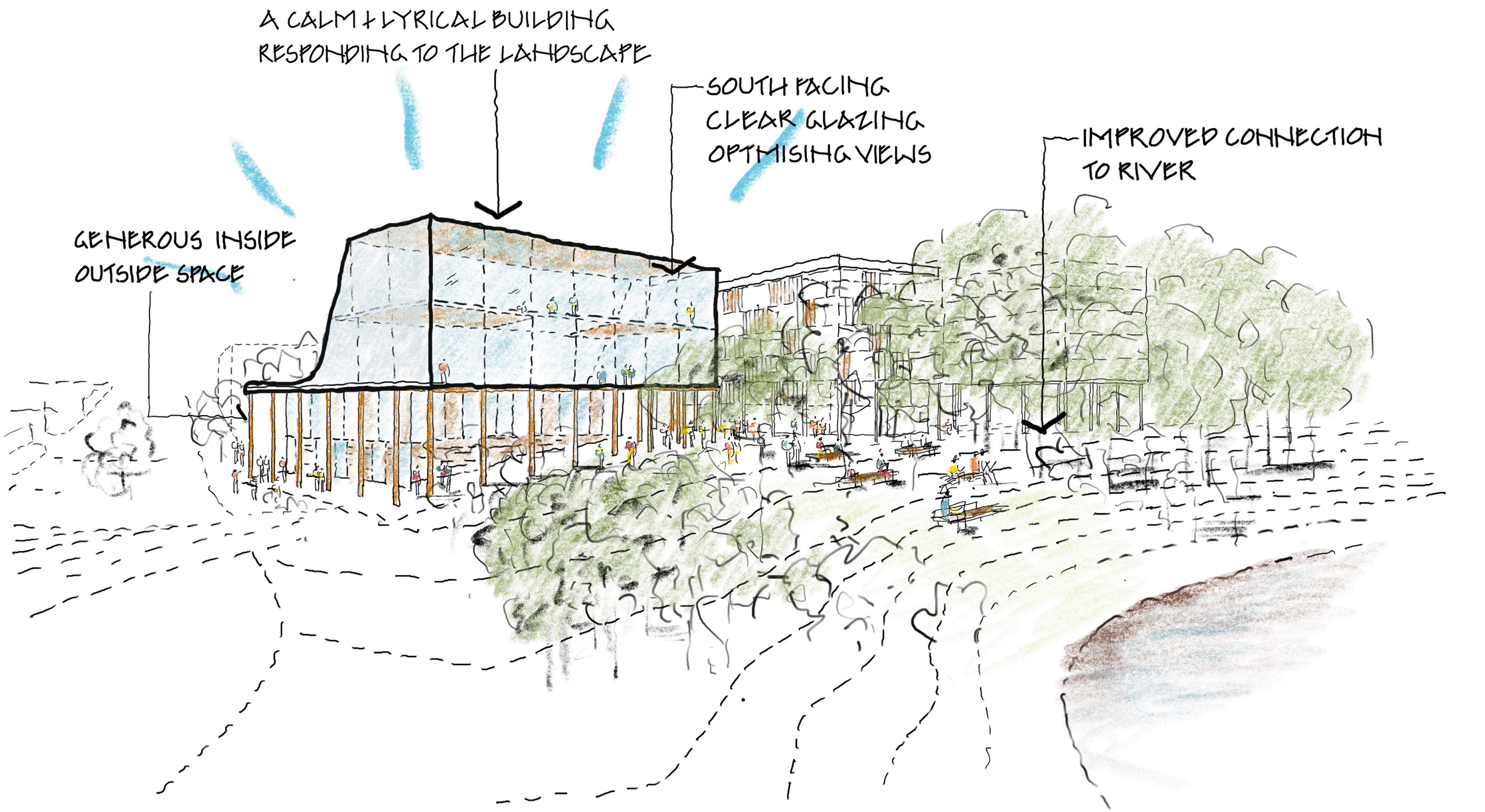


SITE PLAN
1:2000

Architectural Design
Architectural Response

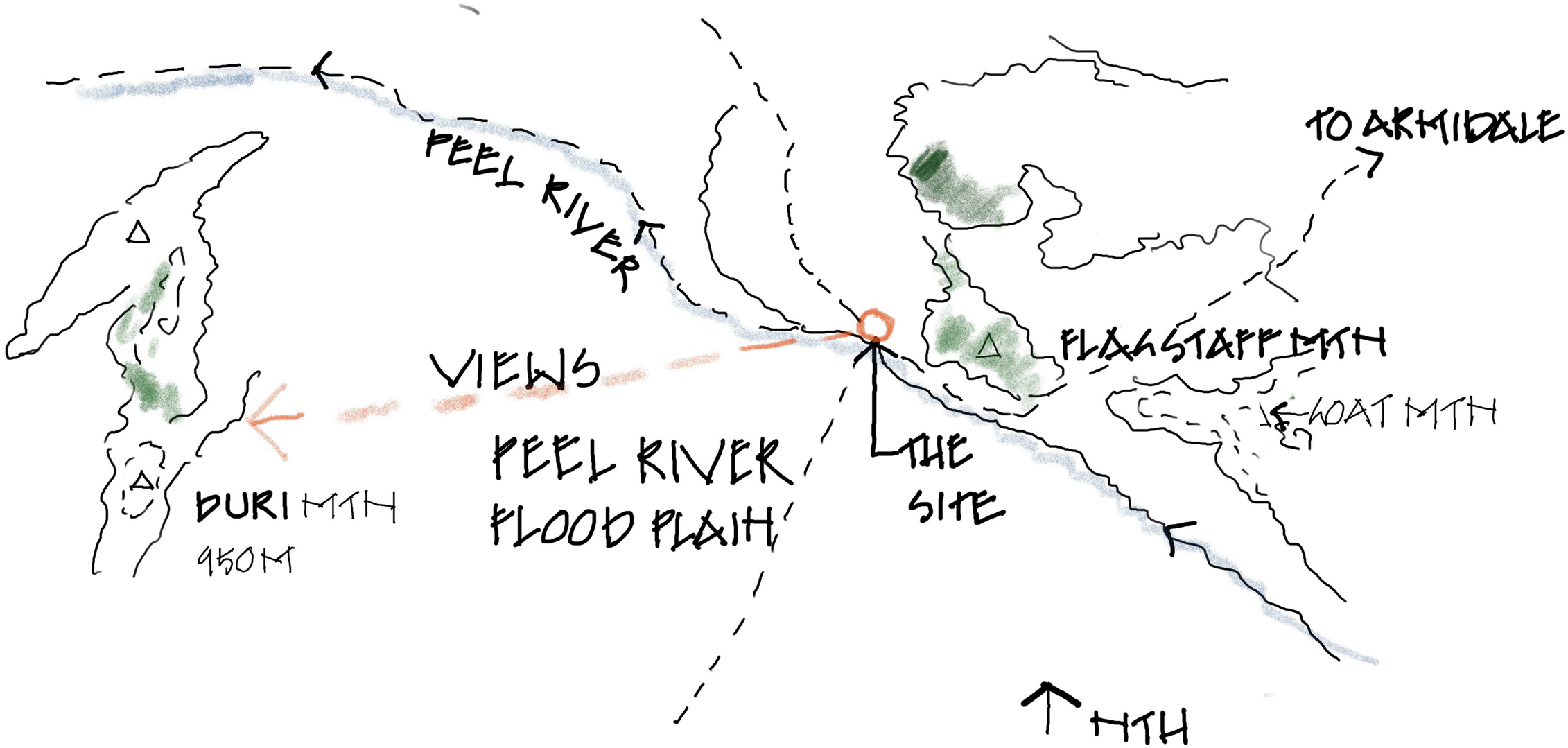


Architectural Design
Architectural Response

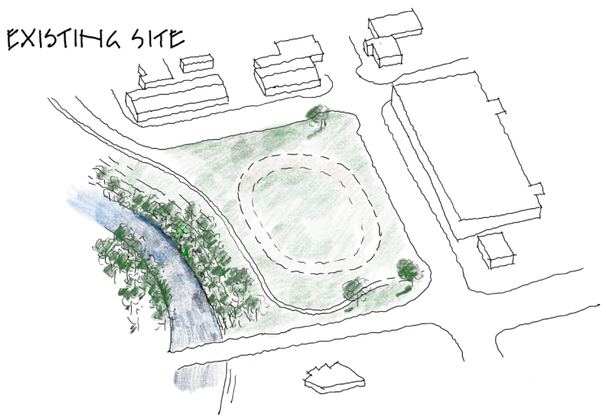


Architectural Design
Architectural Response

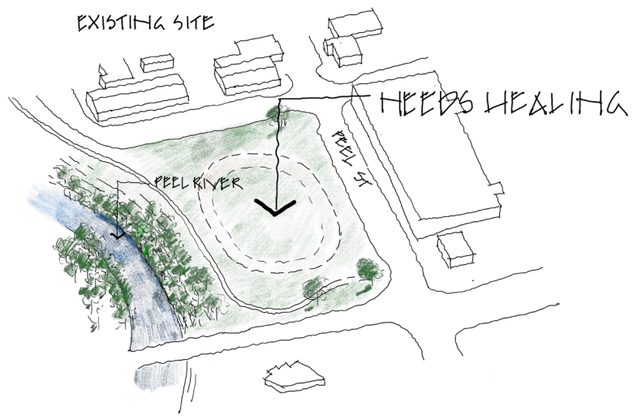
The site presents opportunities to celebrate the adjacent Calala (Peel River), as well as draw visual connections to the Duri and Flagstaff mountain ranges towards the west and east of the site respectively.



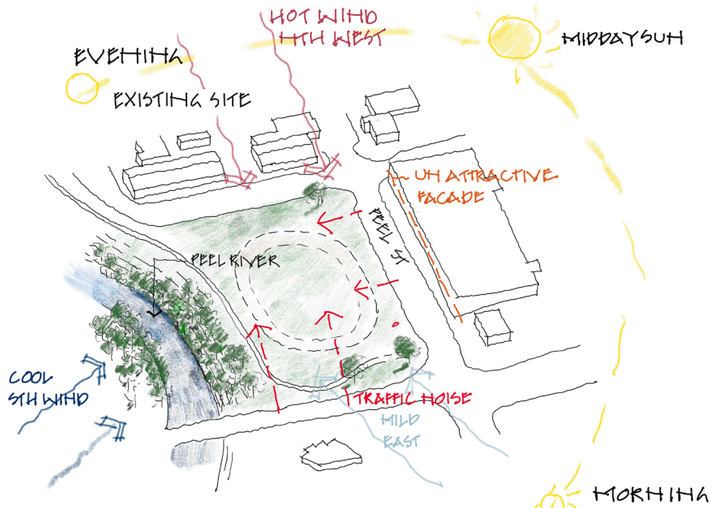
Architectural Design
Architectural Response



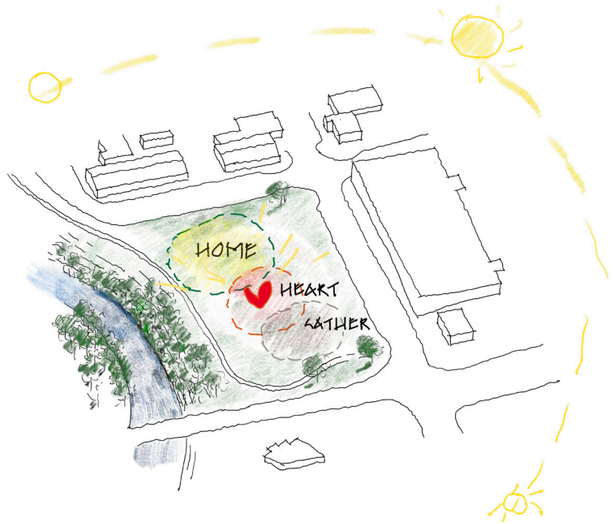
The site is located on a disused velodrome and is adjacent to the Calala (Peel) River.



The site can be redeveloped to integrate the surrounding nature and incorporate indigenous knowledge, contributing to a salubious learning experience.

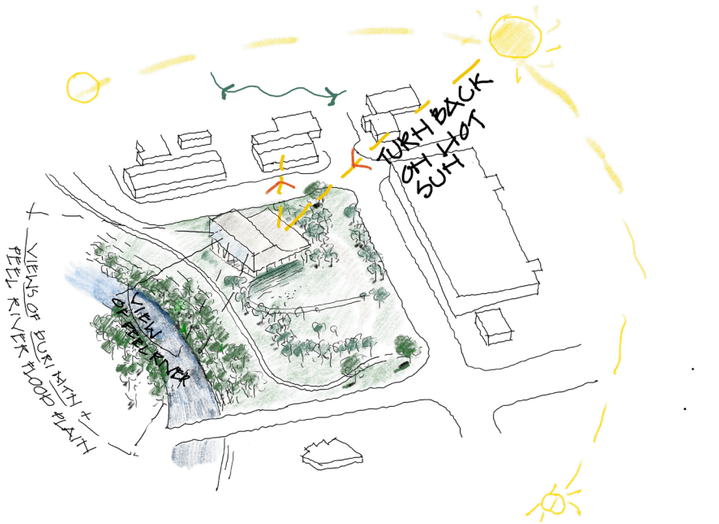


Some of the constraints include direct proximity to a noisy highway, an unattractive shopping mall facade on the eastern side, and hot winds coming from the north west.



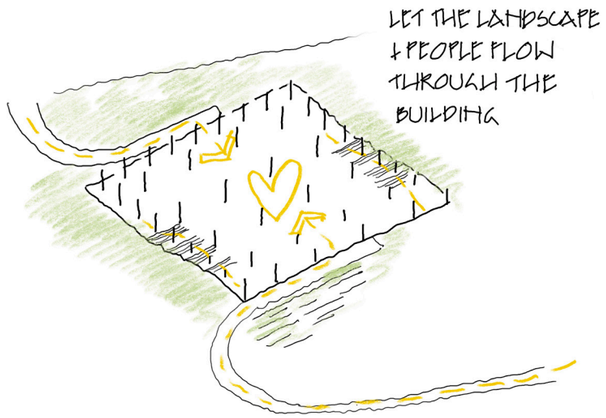
The site can be visually zoned into 3 main areas - Home, Heart and Gathering Space.

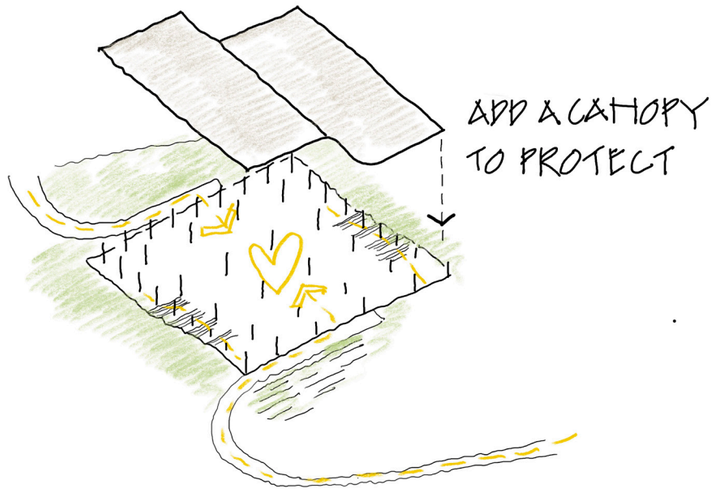
These will respectively contain the Foundation Building, an outdoor amphitheatre space, and a multi-functional carparking area that can double as an event space.

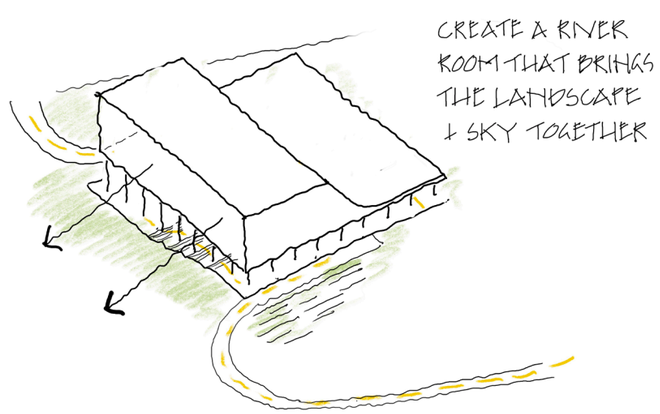


The design of the Foundation Building will capitalise on views to the river and strategically block out eastern and northern sun.

Architectural Design
Architectural Response

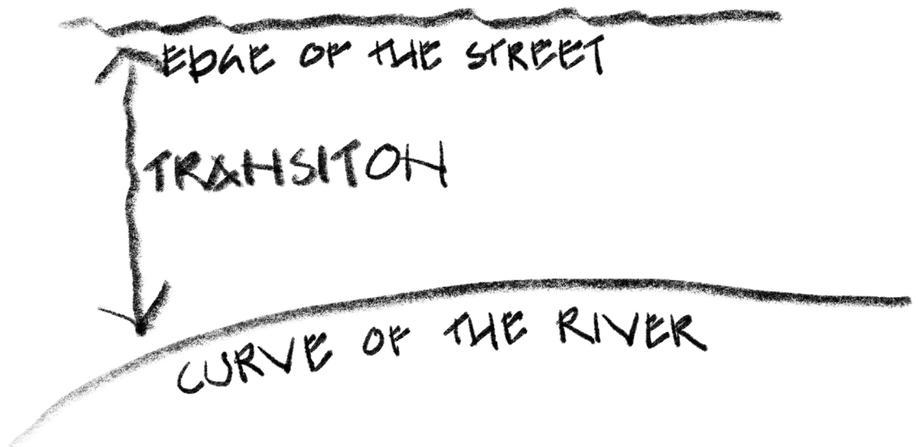


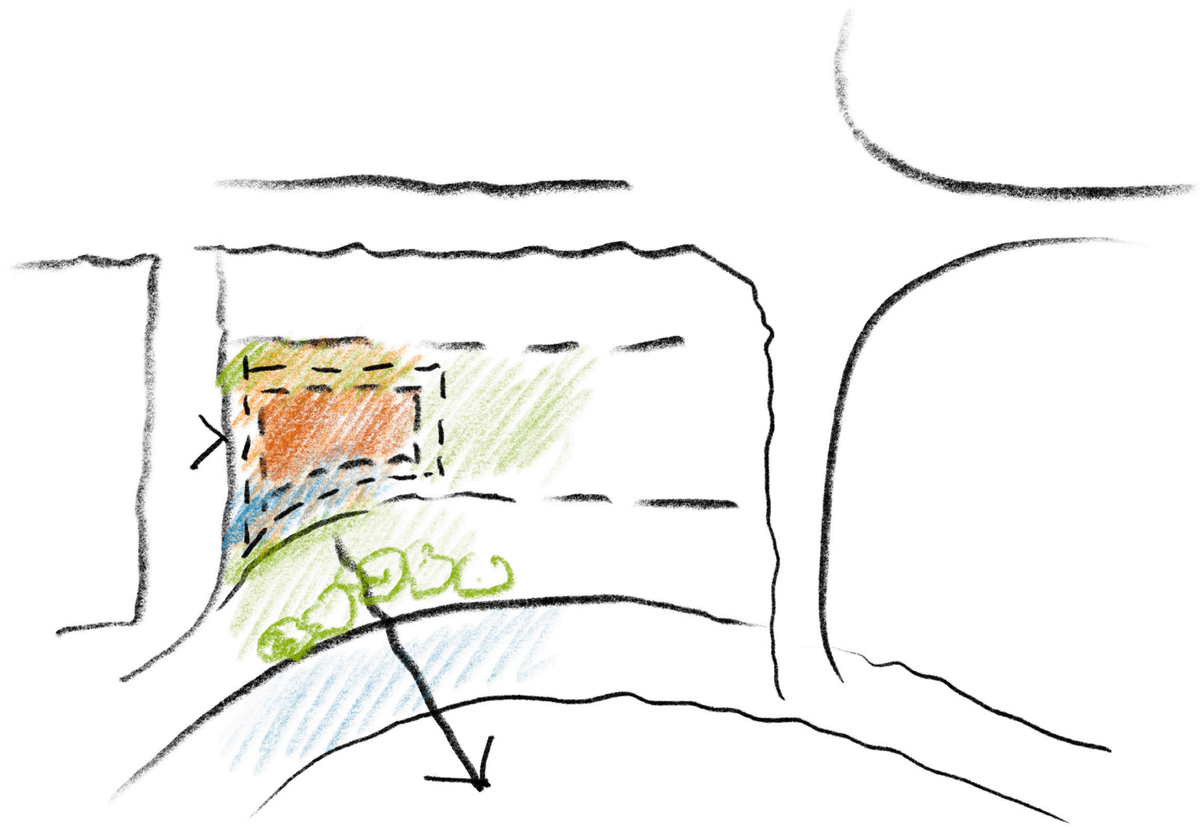




Architectural Design
Architectural Response

CHARACTER + FORM STUDIES





The language of the landscape is reflected in the geometry of the building

Moments of respite

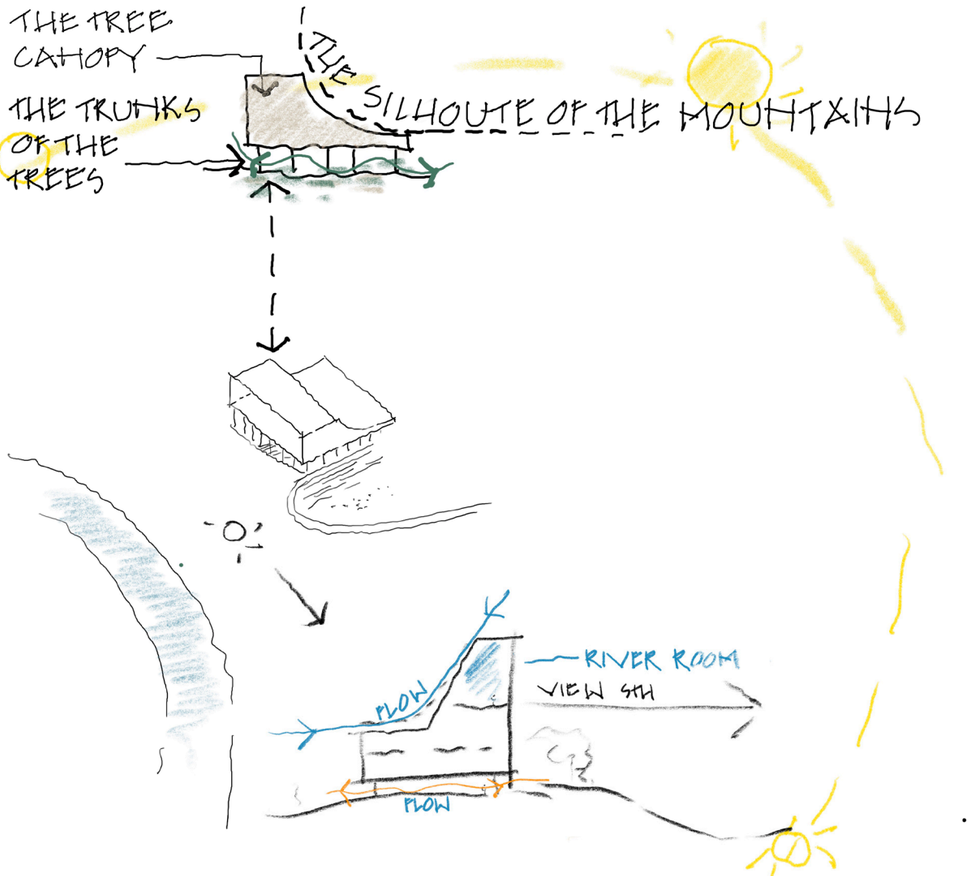
Sensitive local materials

Building geometry engages with landscape

Spaces full of light and joy

Architectural Design
Architectural Response

CHARACTER + FORM STUDIES



Generosity of space

Calm and elegant design language

Inviting and warm campus language

Light-filled spaces with outlooks

Architectural Design
Floor Plans

PEEL STREET

PROPOSED BOUNDARY

CARPARK ENTRY

EXISTING TRANFORMER KIOSK

GABION WALL PLANT ENCLOSURE

8 EXISTING ON STREET CARPARKING SPACES

PLANT

FIRE PUMP ROOM

REFUSE

BIO SWALE

FOOTPATH BY OTHERS

8999.762

ENTRY GARDEN

BIO SWALE

CAMPUS CAR PARK AND EVENT SPACE (52 CAR SPACES)

SEWER EASEMENT LINE

STORMWATER EASEMENT LINE

1:3 PLANTED BATTER

PERFORMANCE SPACE

1:4 TURF SLOPE

NATIVE GRASS MEADOW

YARNING CIRCLE

1:20 FOOTPATH

BIO SWALE

PROPOSED BUILDING

5°

ROOF RIDGE RL 395.748

COMMUNITY LAWN

AGORA STEPS

BIO SWALE

RIVER SQUARE

PV ROOF SOLAR PANELS

TURFED LANDSCAPE

NATIVE GRASS PLANTING

DECO GRAVEL

TURFED LANDSCAPE

PROPOSED BOUNDARY

28 BICYCLE PARKING SPACES

FIRE HYDRANT/SPRINKLER BOOSTER ASSEMBLY

EXISTING FOOTPATH

25 EXISTING ON STREET CARPARKING SPACES

RODERICK STREET

SCOTT ROAD

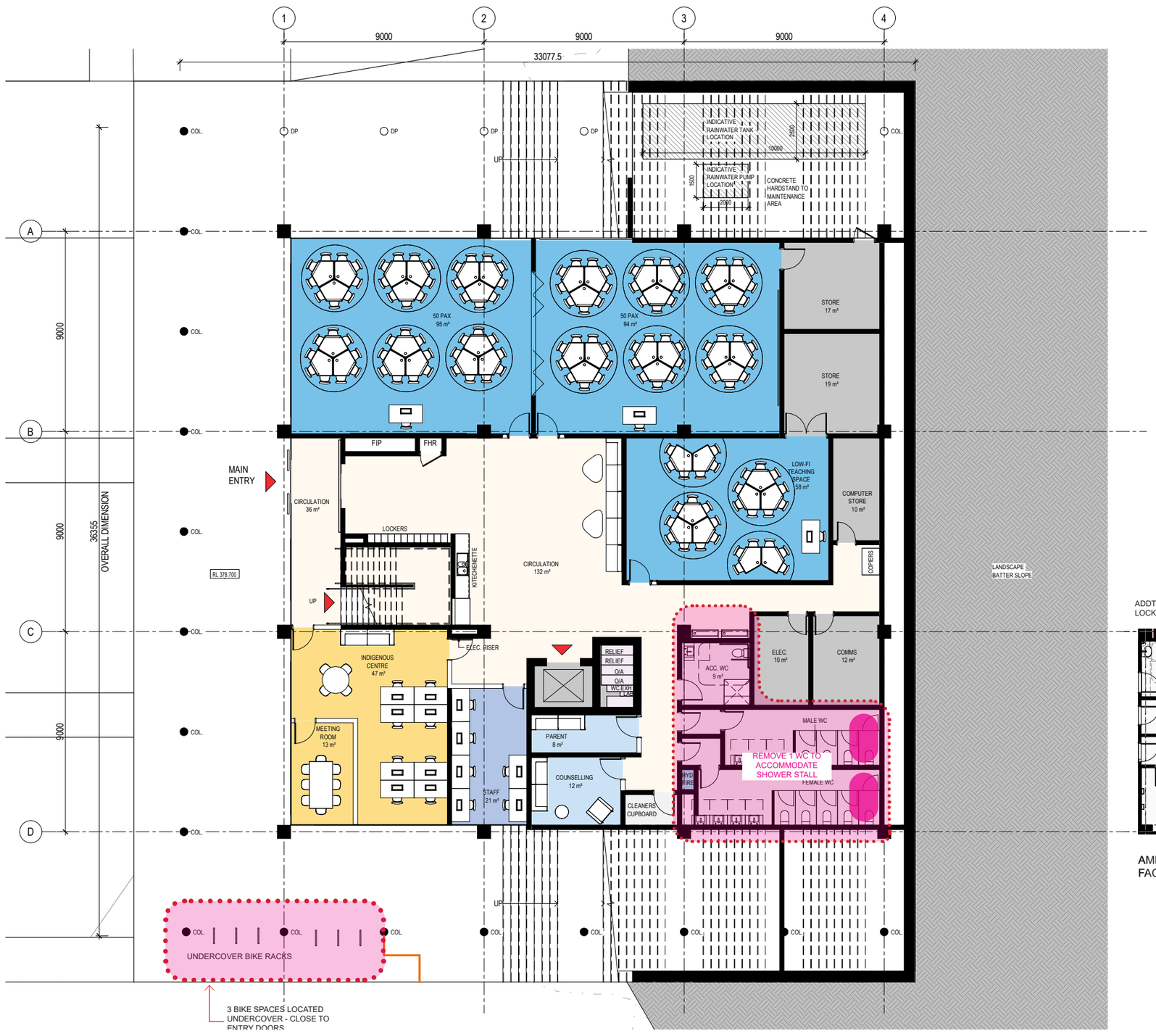
PEEL RIVER

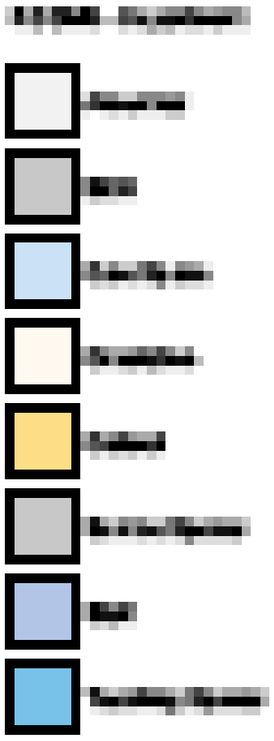
PROPOSED SITE PLAN

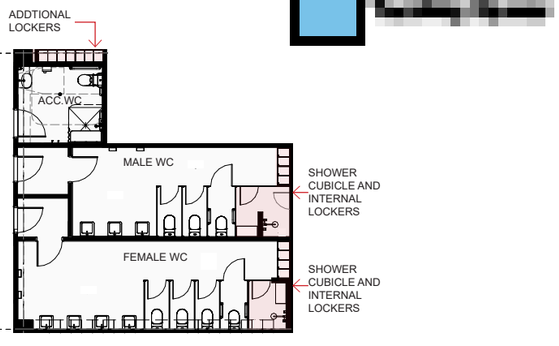
SCALE 1:500

Architectural Design
Floor Plans

GENERAL ARRANGEMENT - GROUND LEVEL
SCALE 1:200

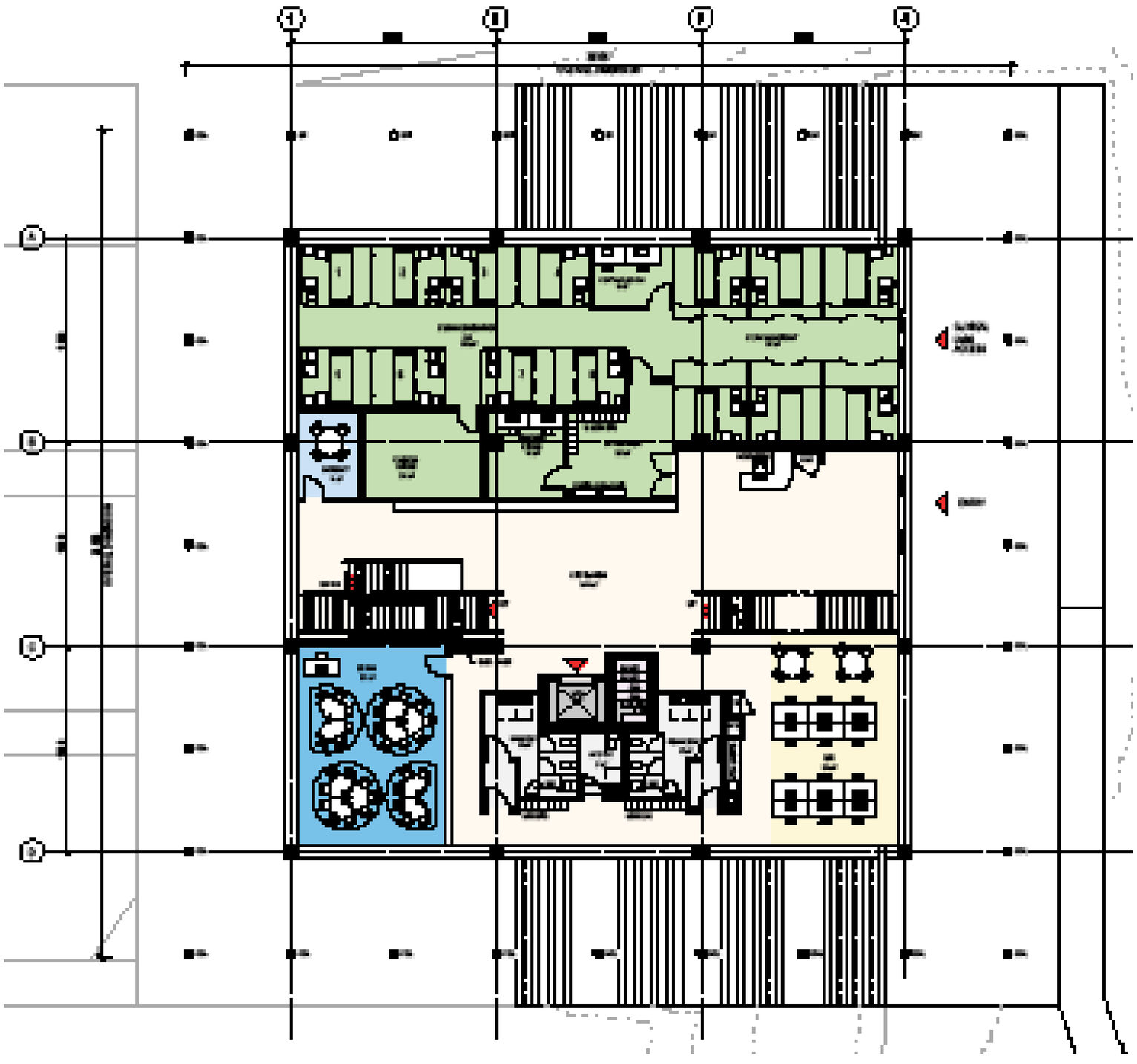






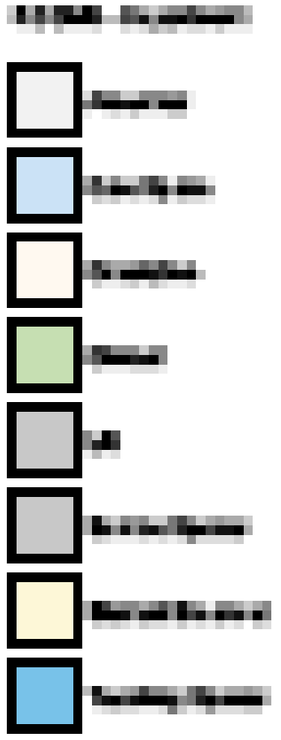
AMENITIES LAYOUT INCLUDING EOT FACILITIES AND LOCKERS

Architectural Design
Floor Plans

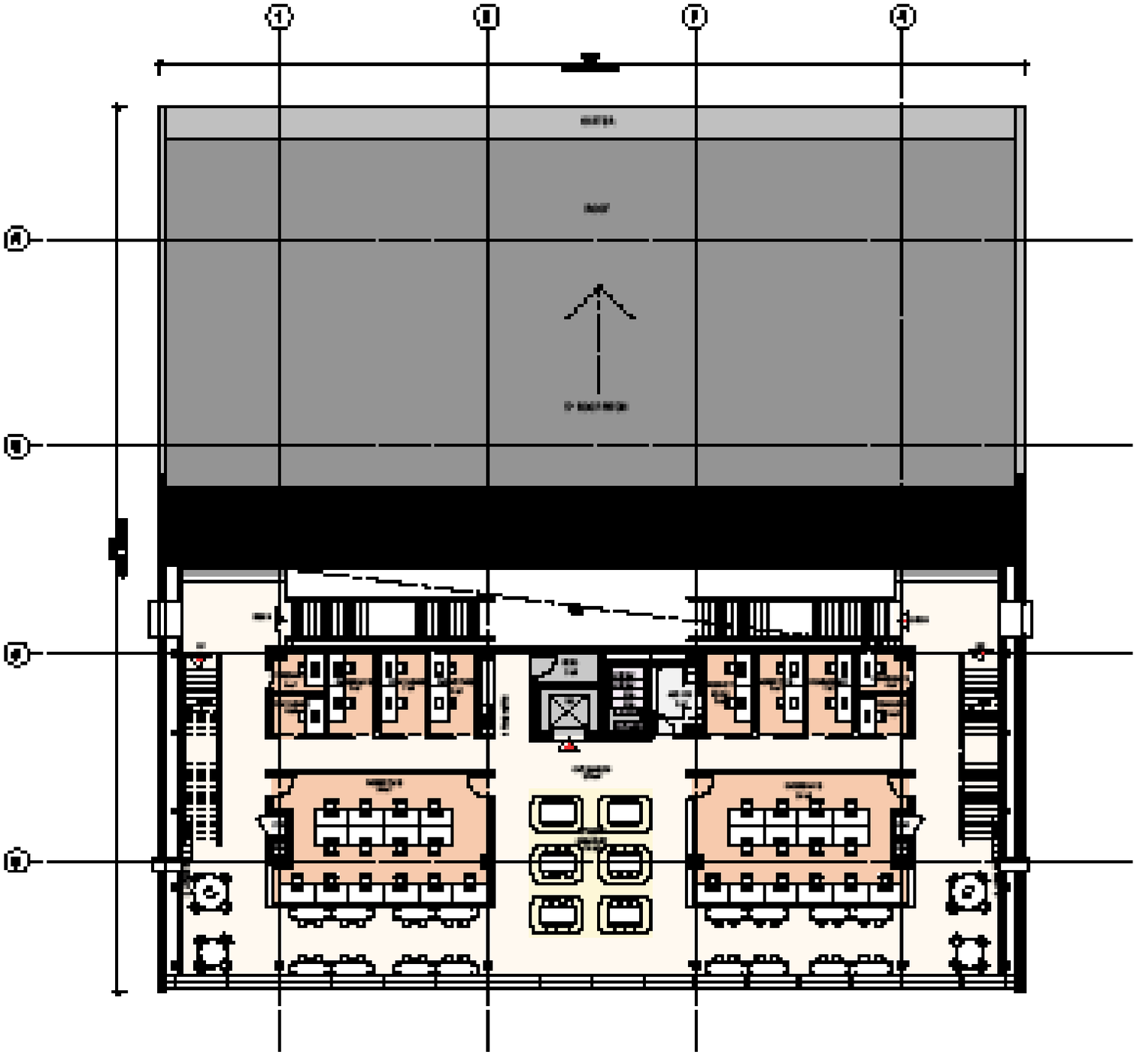


GENERAL ARRANGEMENT - LEVEL 1

SCALE 1:200



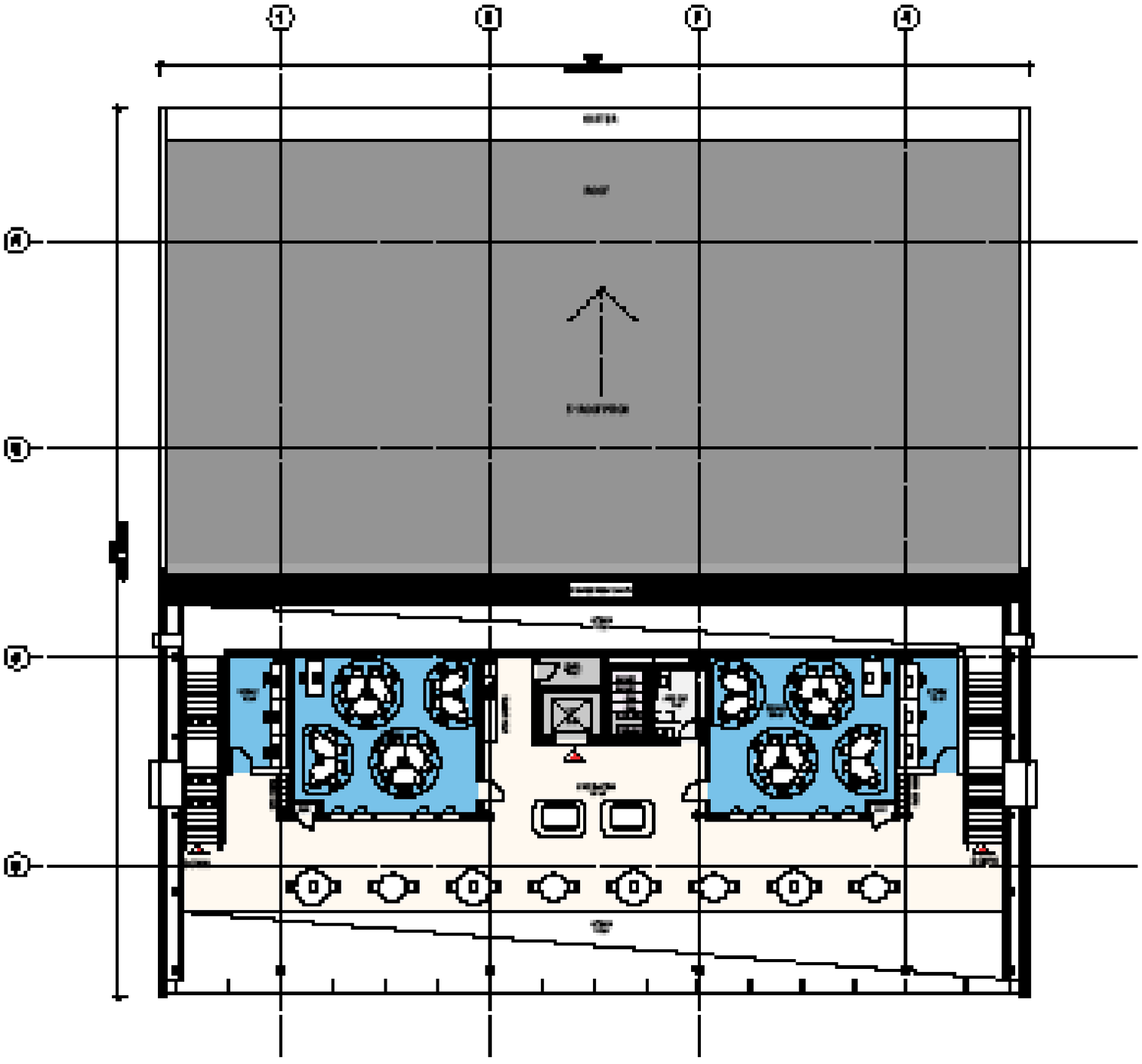
Architectural Design
Floor Plans



GENERAL ARRANGEMENT - LEVEL 2

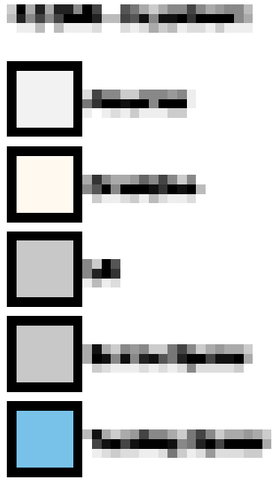
SCALE 1:200

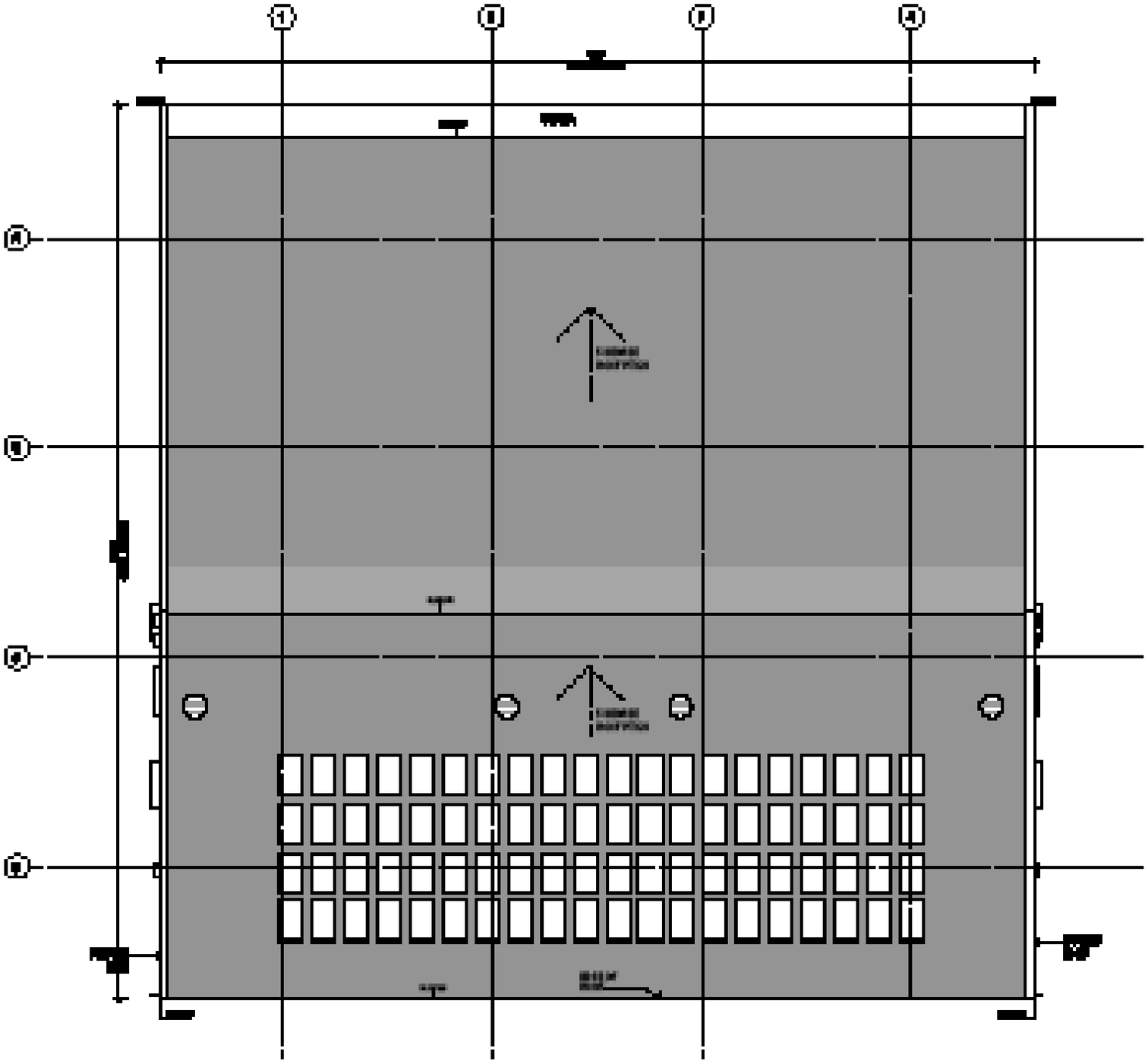
Architectural Design
Floor Plans



GENERAL ARRANGEMENT - LEVEL 3

SCALE 1:200

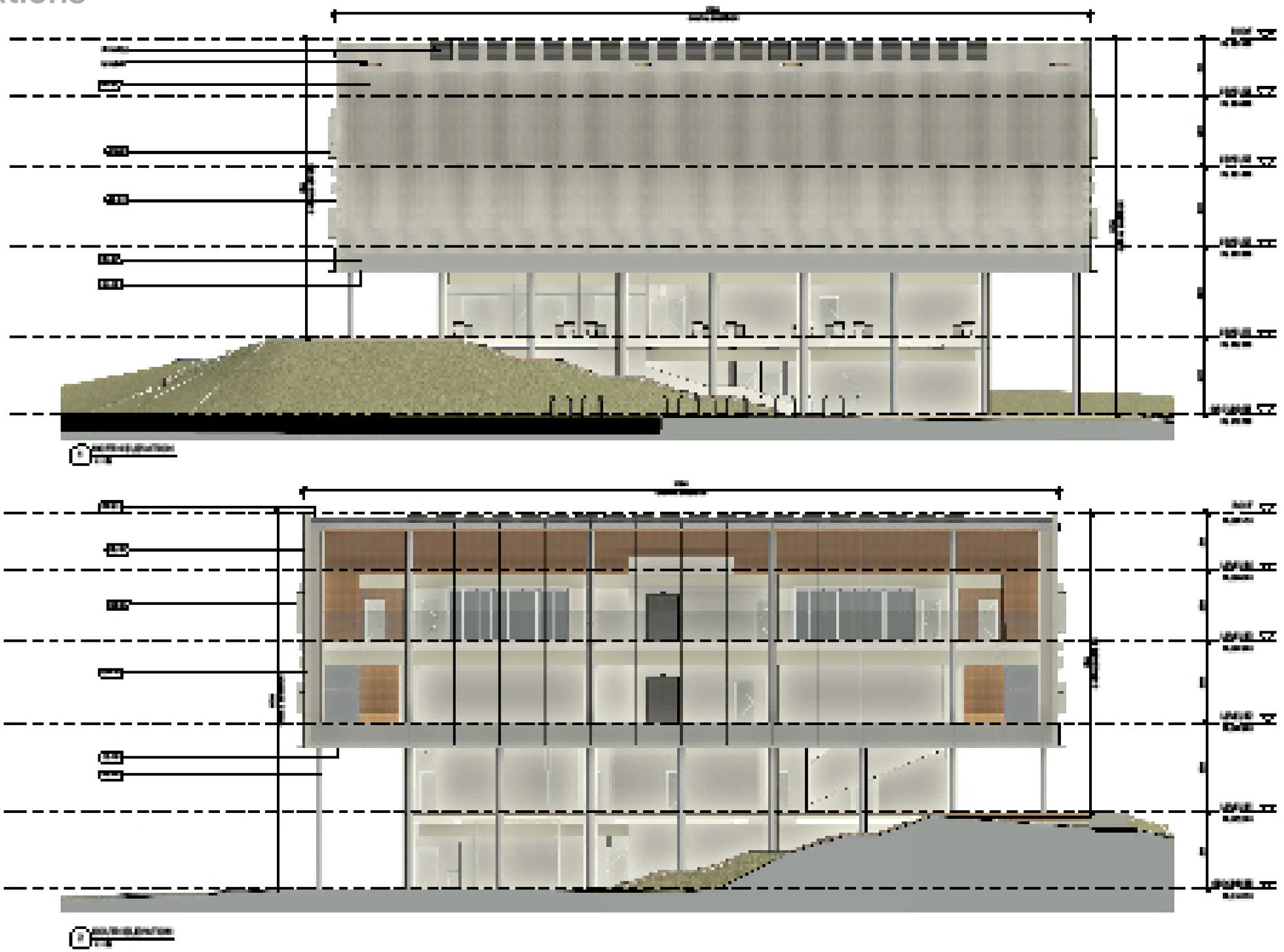




GENERAL ARRANGEMENT - ROOF

SCALE 1:200

Architectural Design
Elevations

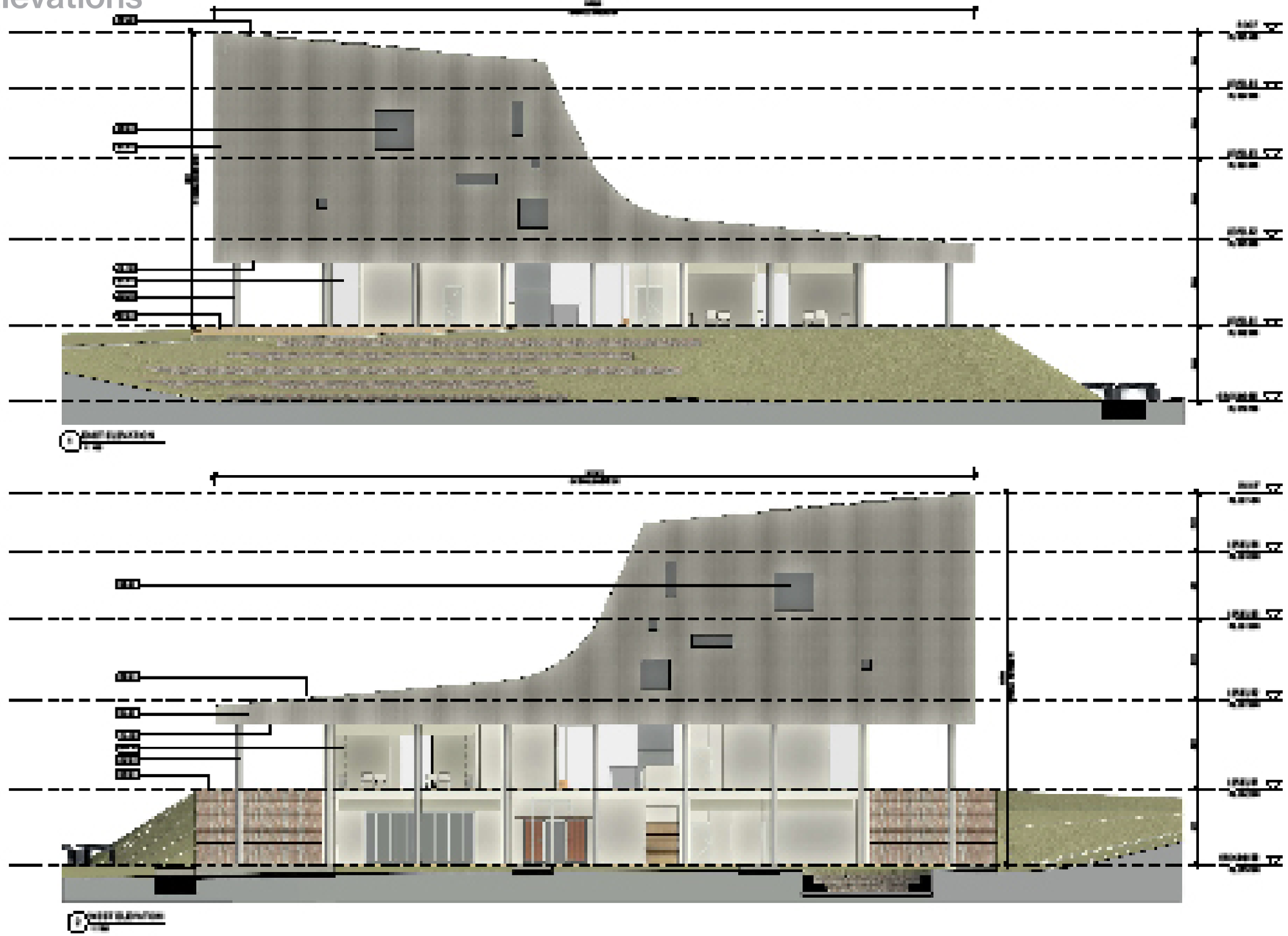


NORTH ELEVATION (TOP) & SOUTH ELEVATION (BOTTOM)

SCALE 1:200

Architectural Design

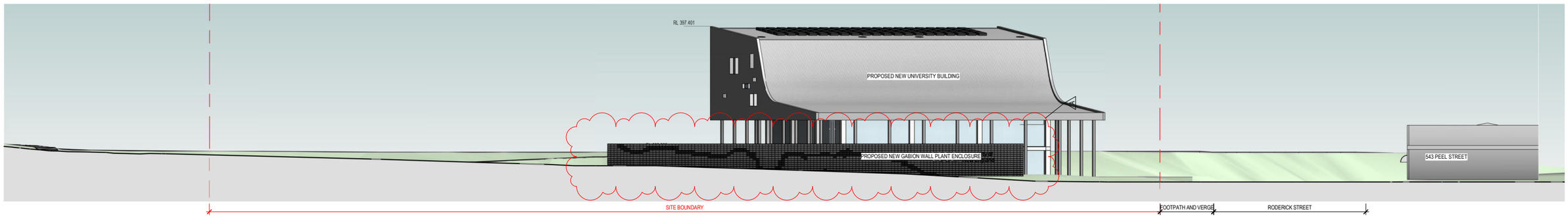
Elevations



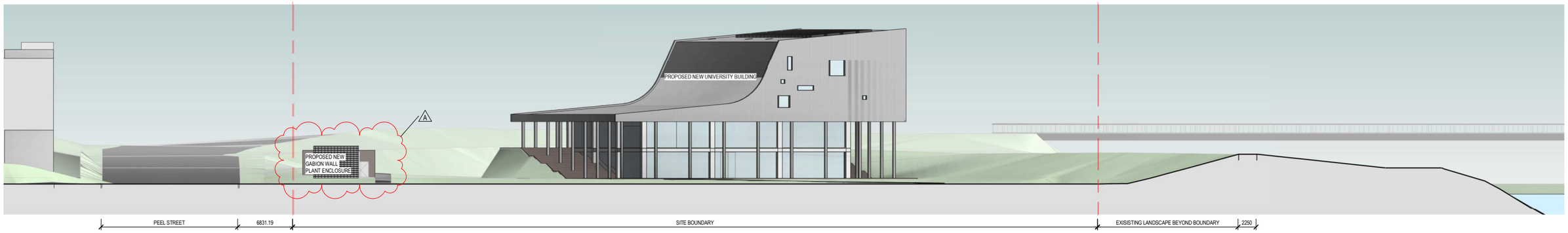
EAST ELEVATION (TOP) AND WEST ELEVATION (BOTTOM)

SCALE 1:200

Architectural Design
Elevations



1 PEEL STREET ELEVATION da
1 : 250

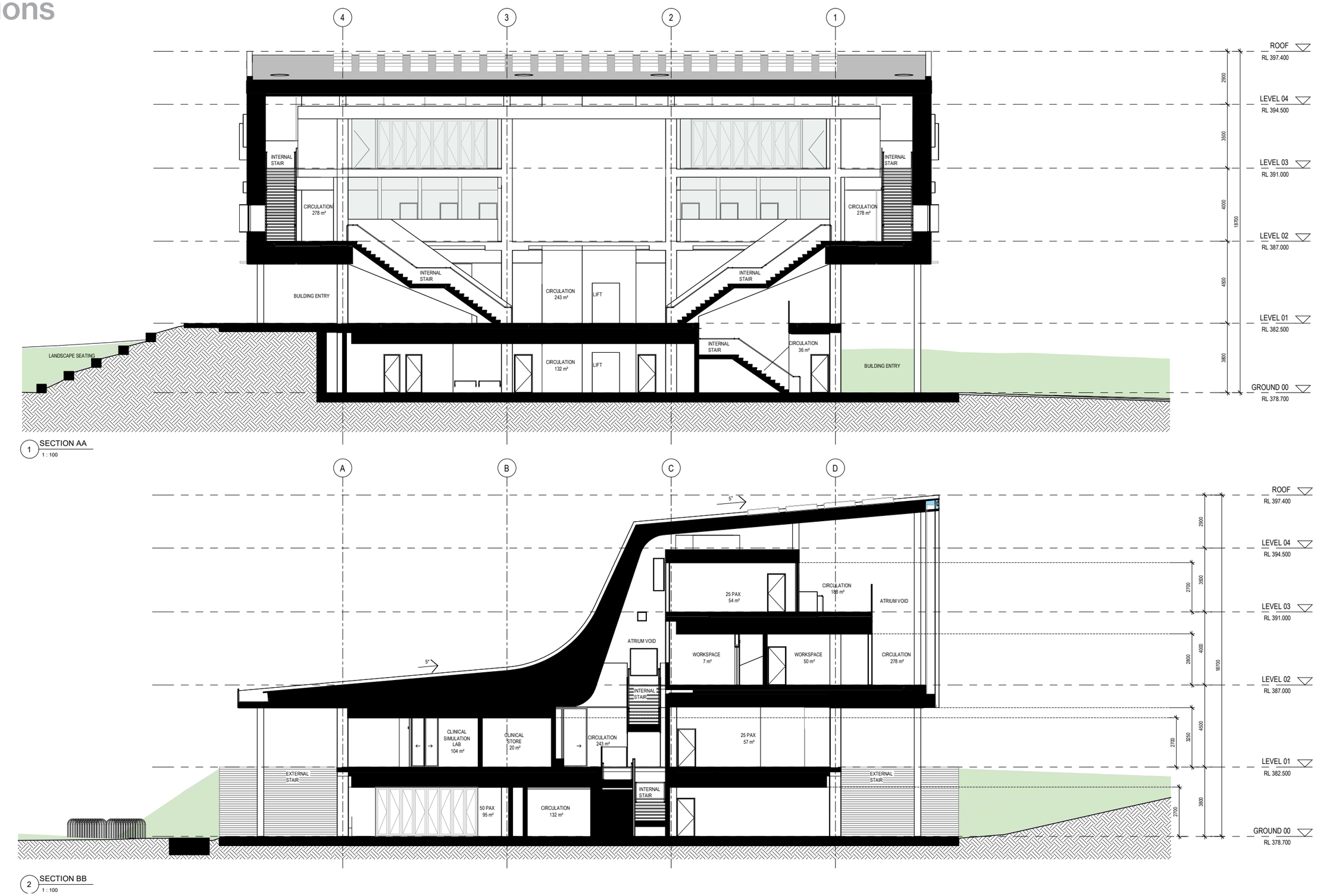


2 RODERICK STREET ELEVATION da
1 : 250

PEEL STREET ELEVATION (TOP) AND RODERICK STREET ELEVATION (BOTTOM)

SCALE 1:500

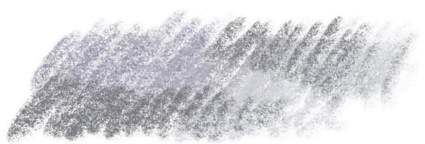
Architectural Design
Sections



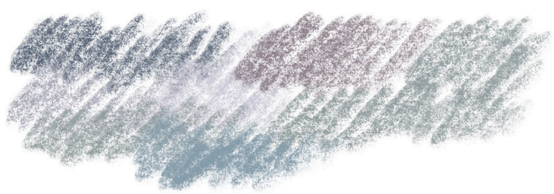
LONGITUDINAL SECTION (TOP) & CROSS SECTION (BOTTOM)

SCALE 1:200

Architectural Design
Textures, Tones & Materials from Country

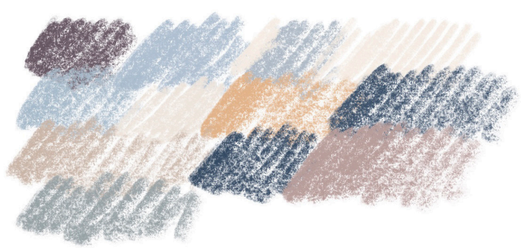


EXTERIOR
-NATURAL
GREYS

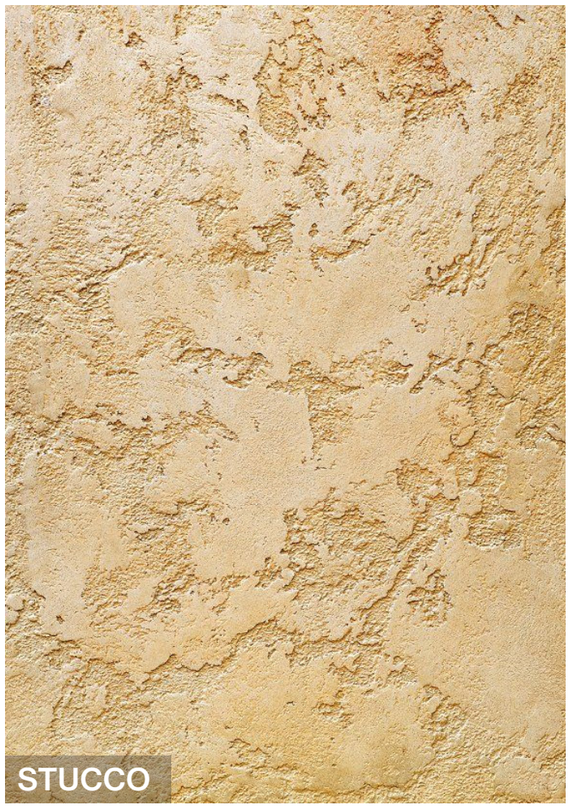


EXTERIOR

INTERIOR
-WARMER
HUES



Architectural Design
Textures, Tones & Materials from Country

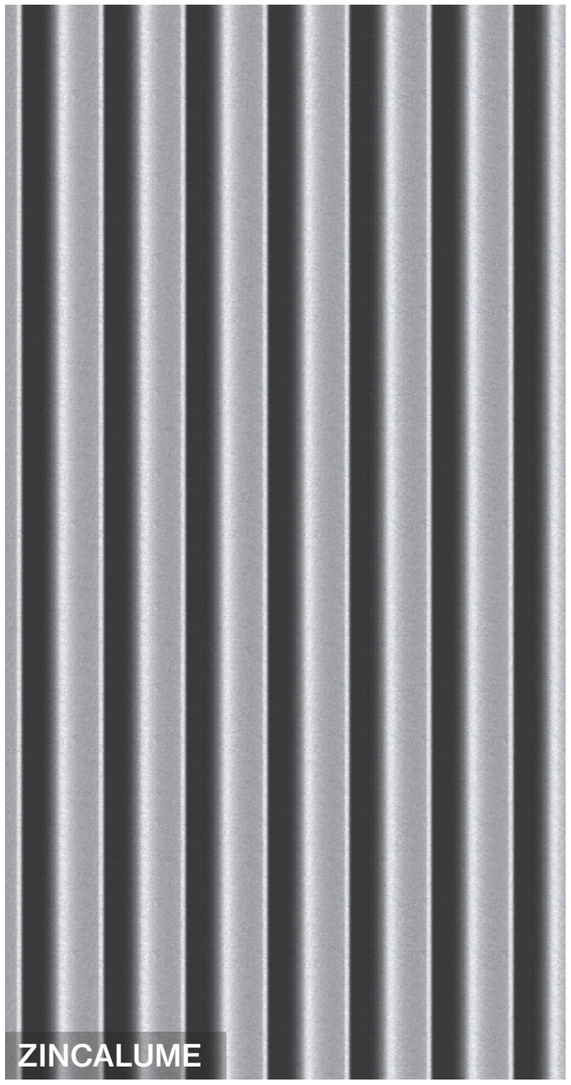


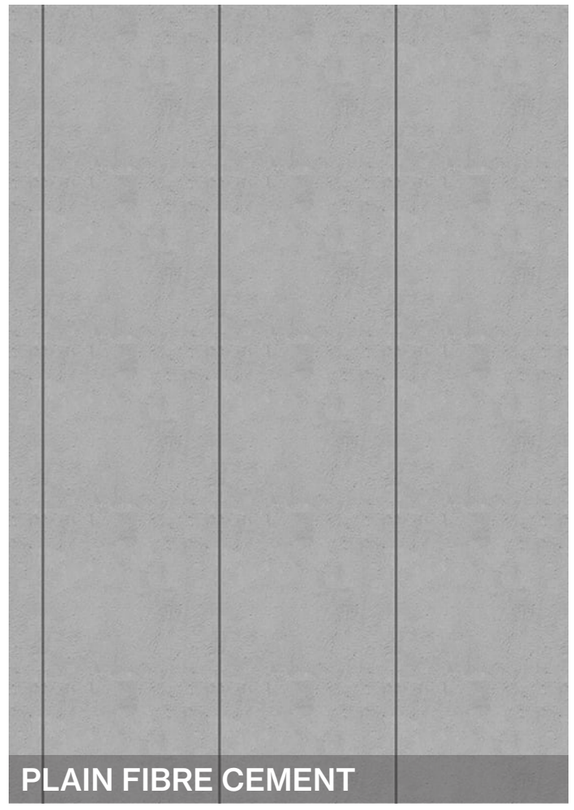
Architectural Design
Materiality - Exterior

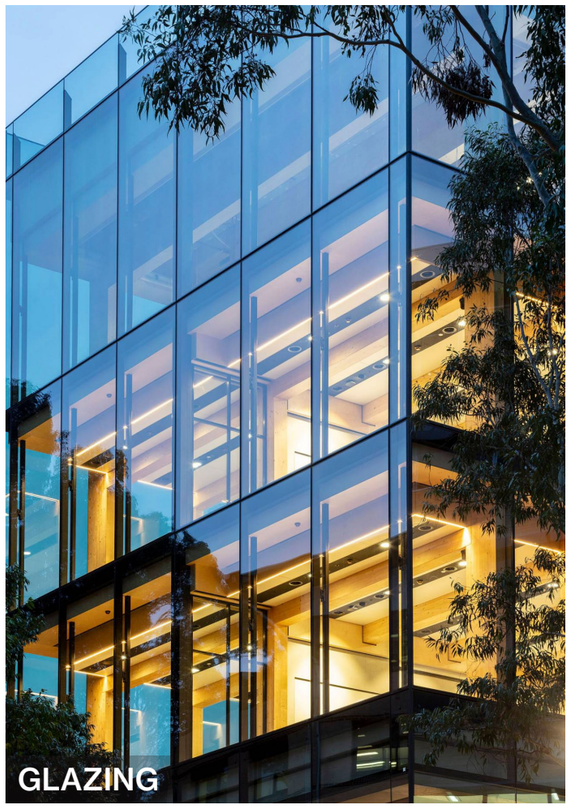
EXTERIOR MATERIAL PALETTE

RECYCLED BRICK

STONE PAVER

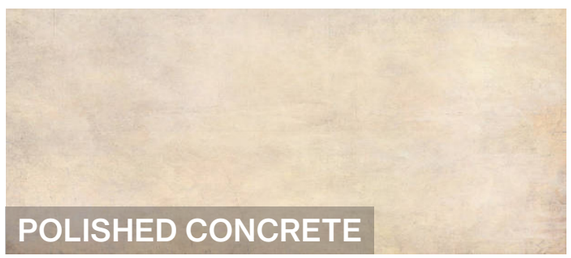

ZINCALUME

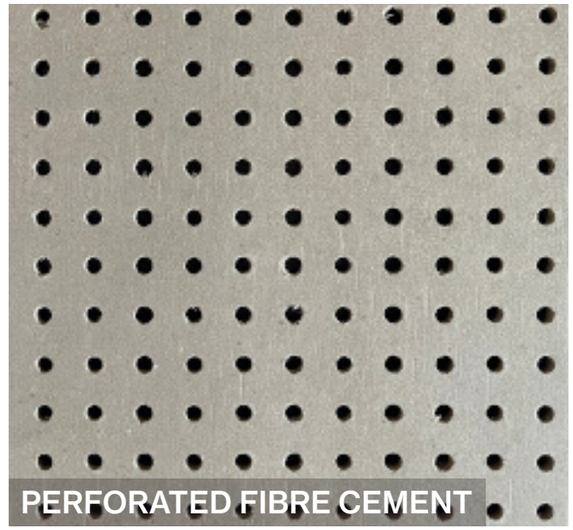

PLAIN FIBRE CEMENT


GLAZING

POWDERCOATED STEEL

TEXTURED CONCRETE


POLISHED CONCRETE


PERFORATED FIBRE CEMENT

Architectural Design
Materiality - Exterior

AM-01

STEEL COLUMN
MILD STEEL FINISH

EF-01

EXTERNAL BRICK
PAVER

EW-10

EXTERNAL GLASS
CURTAIN WALL

WI-01

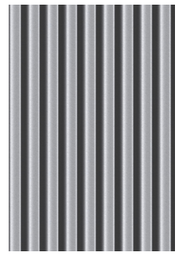
EXTERNAL GLAZED
WINDOW WITH FOLDED
METAL PERIMETER HOOD

CL-10

ZINCALUME
FIELDERS HERITAGE
SOFFIT LINING

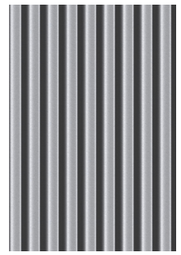
RF-01

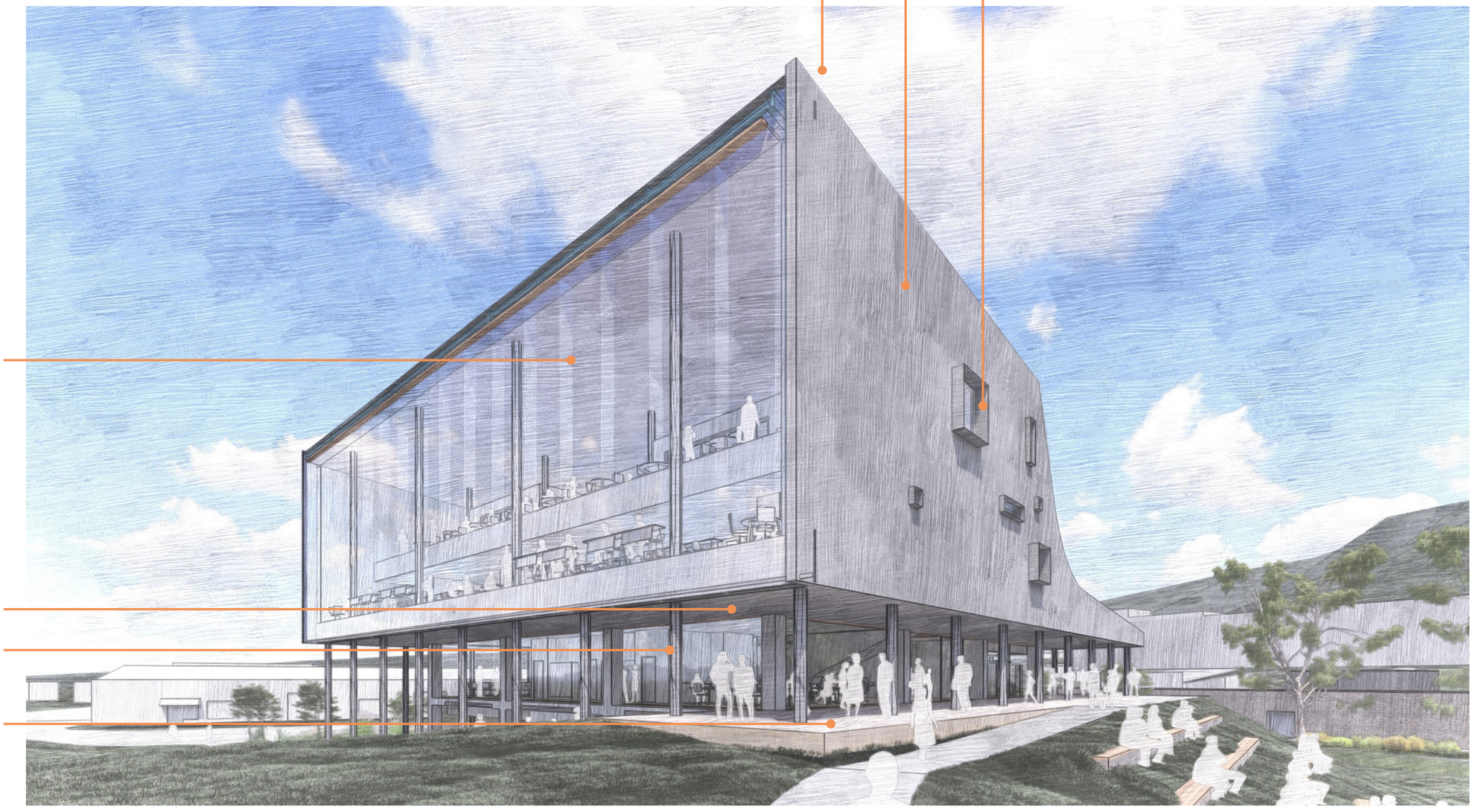
ZINCALUME
FIELDERS HERITAGE
ROOF SHEETING



EL-01

ZINCALUME FIELDERS
HERITAGE EXTERNAL
WALL LINING





Architectural Design
Materiality - Exterior

ED-01

EXTERNAL USE
HEAVY DUTY
STAINLESS STEEL

EW-04

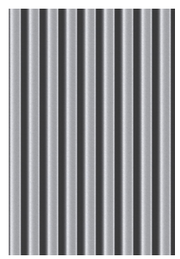
EXTERNAL
GABION WALL

EF-02

EXTERNAL
ASPHALT
PAVEMENT

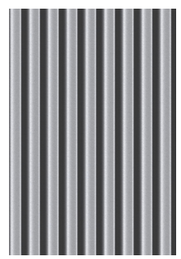
CL-10

ZINCALUME
FIELDERS HERITAGE
SOFFIT LINING



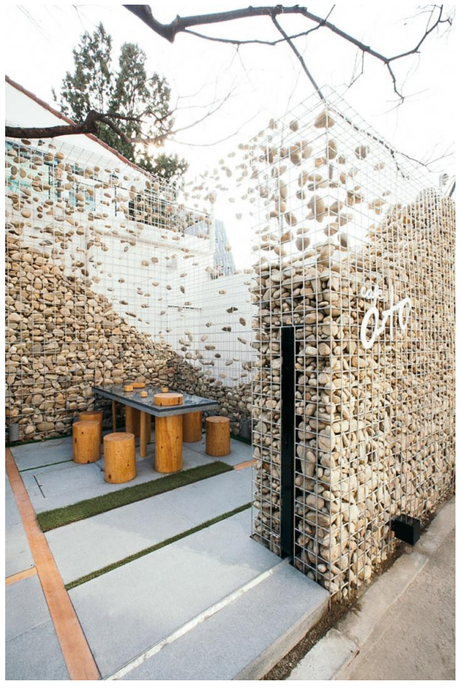
RF-01

ZINCALUME
FIELDERS HERITAGE
ROOF SHEETING



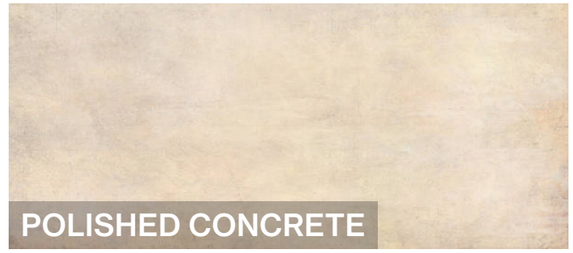
AM-01

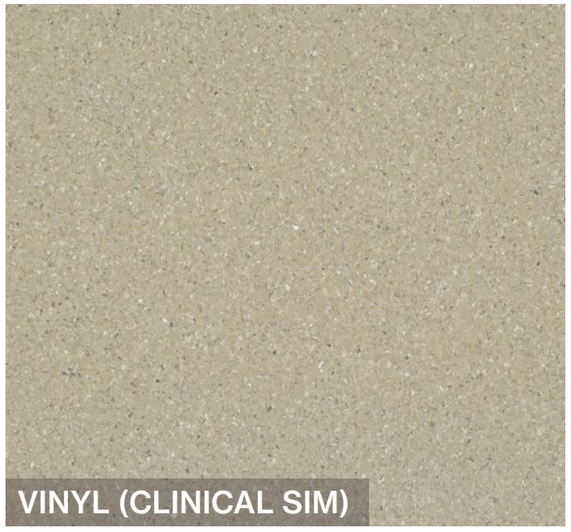
STEEL COLUMN
MILD STEEL FINISH



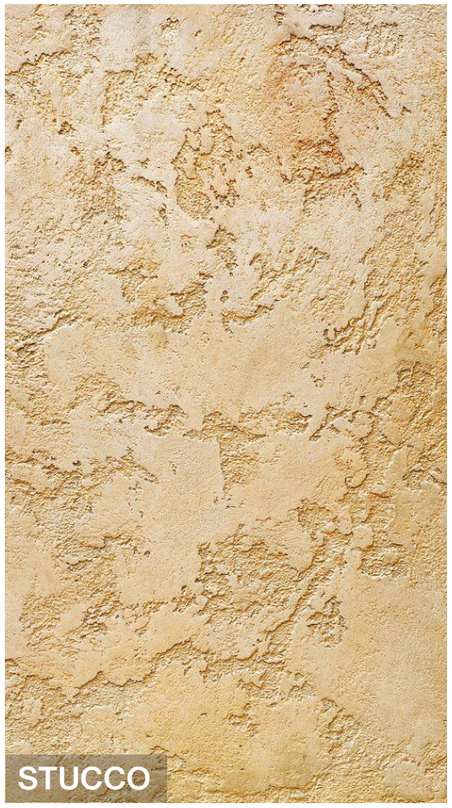
Architectural Design
Materiality - Interior

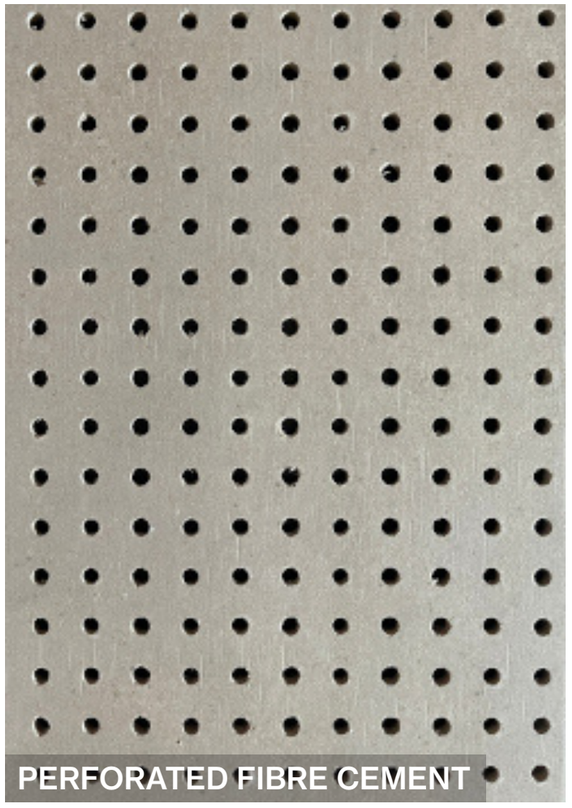
INTERIOR MATERIAL PALETTE

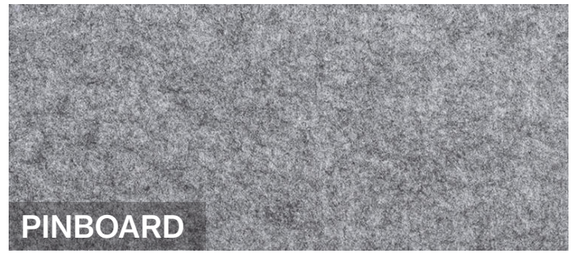




POWDERCOATED STEEL







Architectural Design
Materiality - Interior

AM-01

STEEL COLUMN
MILD STEEL
FINISH

PT-01

PAINTED
PLASTERBOARD
WALL FINISH

CO-01

CONCRETE
COLUMN STUCCO
RENDERED FINISH

FL-01

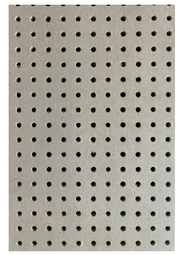
AUSTRALIAN HARDWOOD
TONGUE AND GROOVE
FLOORING (SPECIES TBC)

BA-01

FRAMELESS
INTERNAL GLASS
BALUSTRADE

CL-01

PERFORATED
FIBRE CEMENT
CEILING LINING



CL-02

AUSTRALIAN HARDWOOD
TONGUE AND GROOVE FEATURE
CEILING (SPECIES TBC)

Architectural Design
Materiality - Interior

PT-01

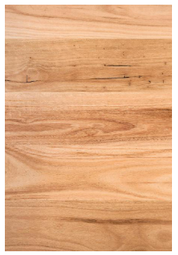
PAINTED PLASTERBOARD WALL FINISH

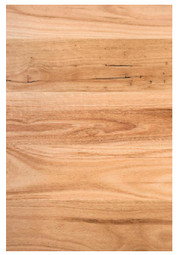
ST-01

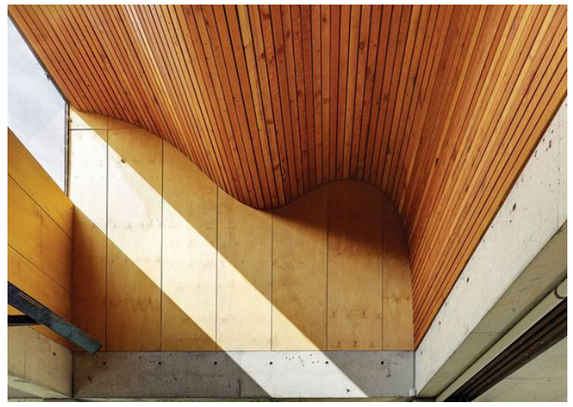
AUSTRALIAN HARDWOOD TIMBER STAIR

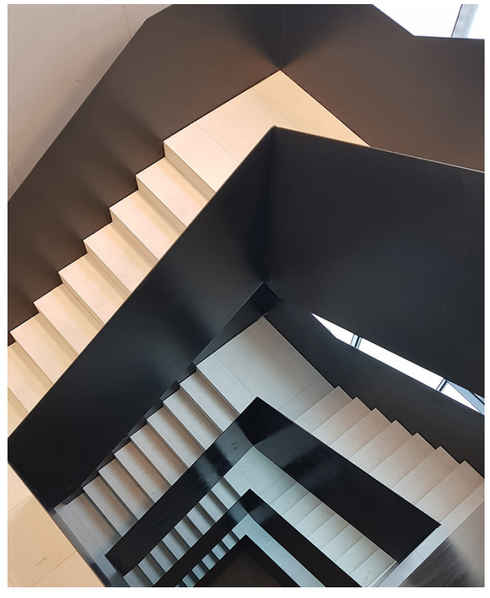
FL-01

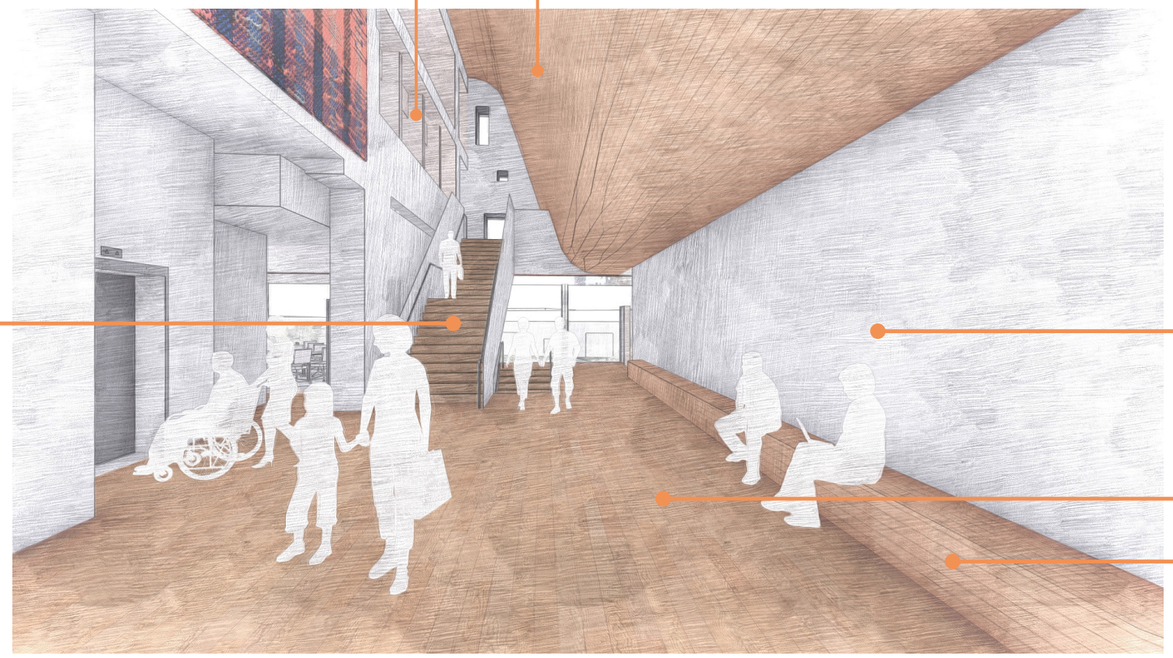
AUSTRALIAN HARDWOOD TONGUE AND GROOVE FLOORING (SPECIES TBC)











CL-02

AUSTRALIAN HARDWOOD TONGUE AND GROOVE FEATURE CEILING (SPECIES TBC)

TJ-01

AUSTRALIAN HARDWOOD TIMBER JOINERY (SPECIES TBC)

FL-02

FUSION-BONDED CORDED ROLL CARPET

WC-01

MARLED FELT WALL-MOUNTED PINBOARD

ID-01

INTERNAL GLASS BIFOLD DOOR

Architectural Design
Illustrative Perspectives - External

AERIAL VIEW OF SITE

Architectural Design
Illustrative Perspectives - External

APPROACH FROM 1:22 RAMP

Architectural Design
Illustrative Perspectives - External

APPROACH FROM RODERICK STREET

Architectural Design
Illustrative Perspectives - External

NORTHERN APPROACH ALONG BIKE PATH

Architectural Design
Illustrative Perspectives - External

CAMPUS AGORA

Architectural Design
Illustrative Perspectives - External

APPROACH FROM CARPARK

Architectural Design
Illustrative Perspectives - External

SOUTHERN APPROACH ALONG BIKE PATH

Architectural Design
Illustrative Perspectives - External

VIEW FROM NEW ENGLAND HIGHWAY

Architectural Design
Illustrative Perspectives - Internal

GROUND LEVEL - ELEVATION FROM RODERICK STREET

Architectural Design
Illustrative Perspectives - Internal

GROUND LEVEL - CORNER FACING RODERICK STREET

Architectural Design
Illustrative Perspectives - Internal

GROUND LEVEL - ENTRY

Architectural Design
Illustrative Perspectives - Internal

LEVEL 1 - MAIN CIRCULATION ZONE

Architectural Design
Illustrative Perspectives - Internal

LEVEL 1 - CLINICAL SIMULATION LAB

Architectural Design
Illustrative Perspectives - Internal

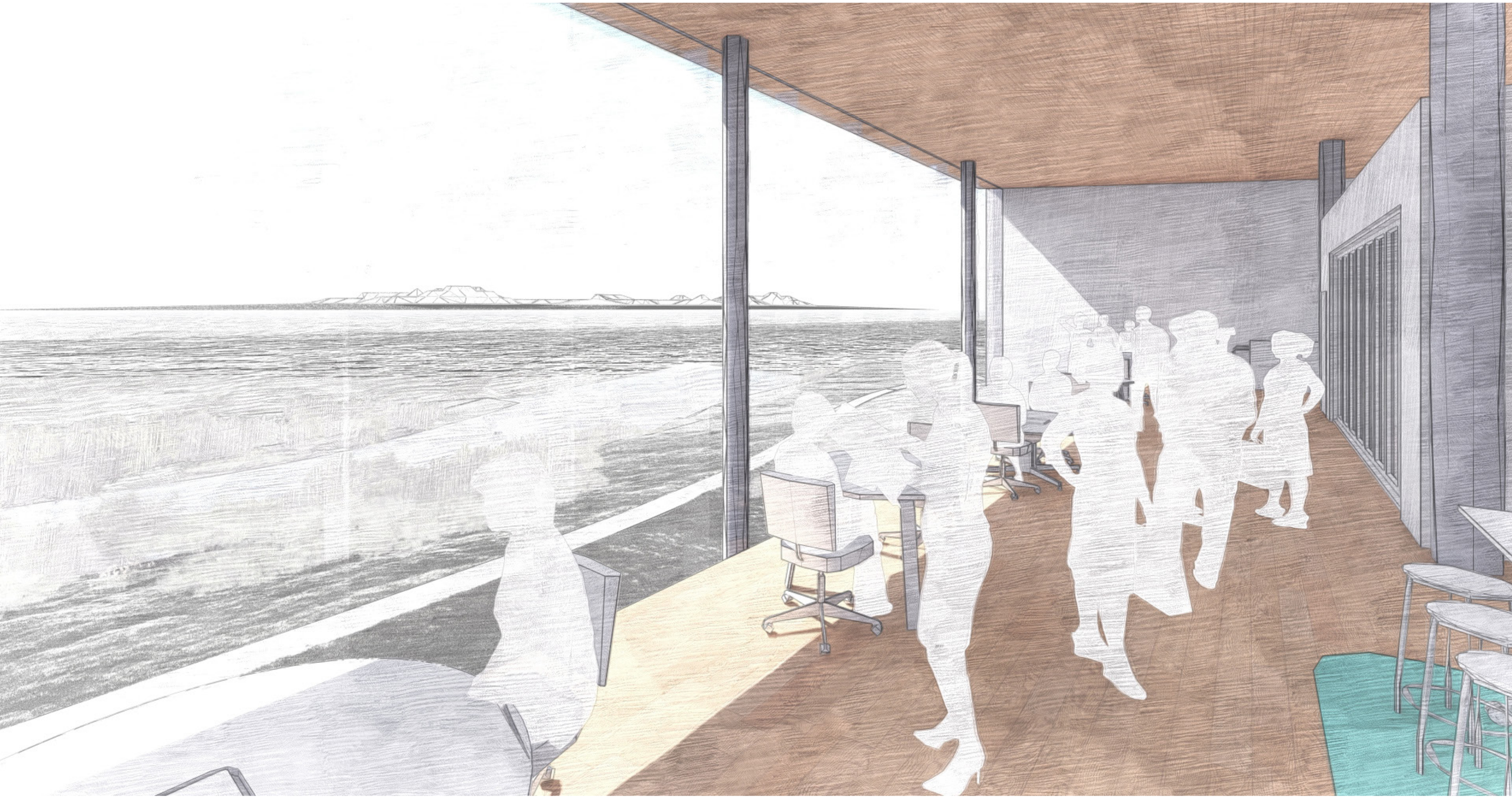
LEVEL 2 - STUDENT BREAKOUT AREA

Architectural Design
Illustrative Perspectives - Internal

LEVEL 3 - GENERAL TEACHING SPACE

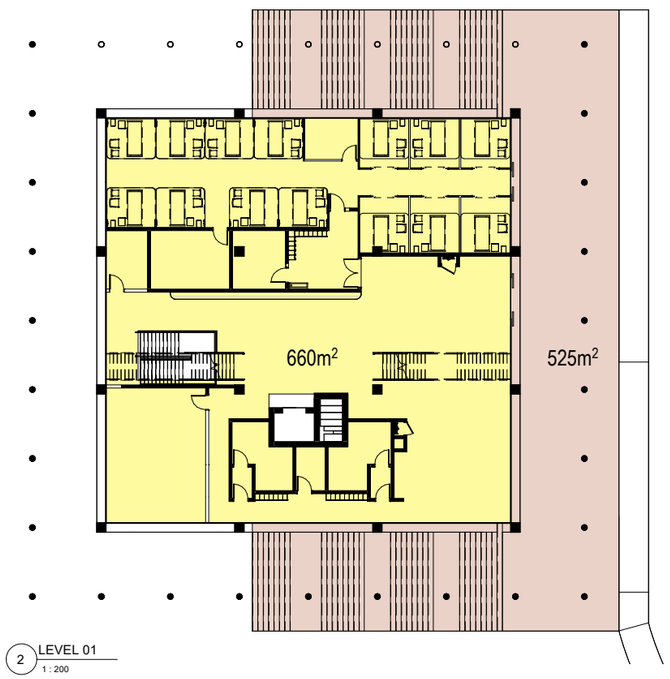
Architectural Design
Illustrative Perspectives - Internal

LEVEL 3 - GALALA RIVER ROOM (OVERLOOKING GALALA RIVER + DURI MOUNTAIN RANGE)

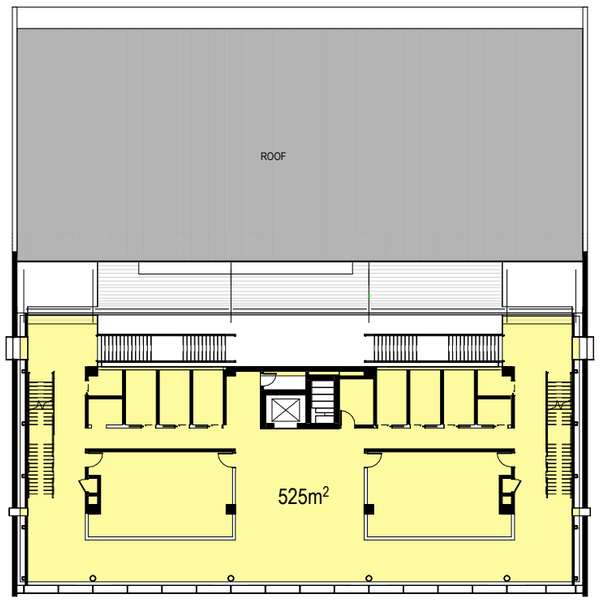


Architectural Design
Area Plans

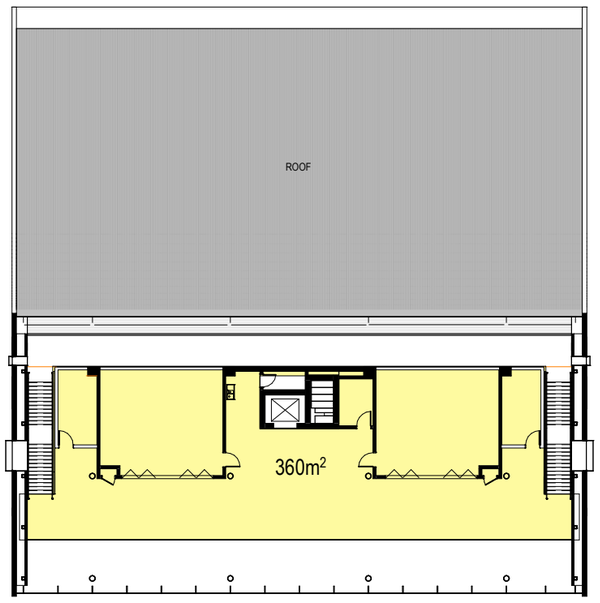
1 GROUND LEVEL
1 : 200



2 LEVEL 01
1 : 200



3 LEVEL 02
1 : 200



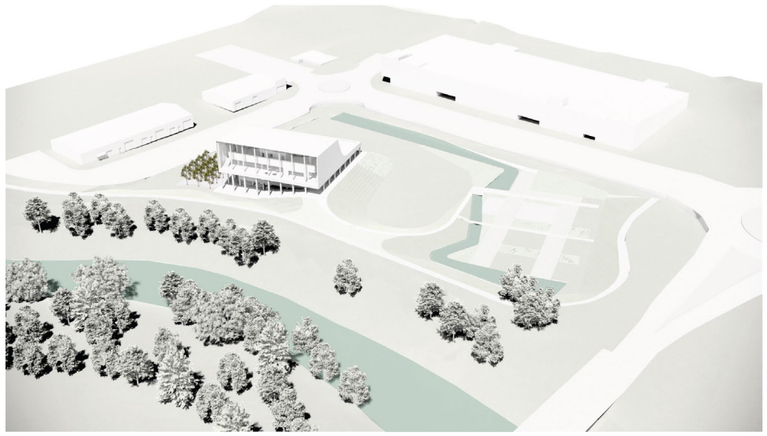
4 LEVEL 03
1 : 200

LEVEL	INTERNAL AREA	EXTERNAL AREA
GL	700 M2	420 M2
L1	660 M2	525 M2
L2	525 M2	-
L3	360 M2	-
TOTAL	2245 M2	945 M2
	3190 M2	

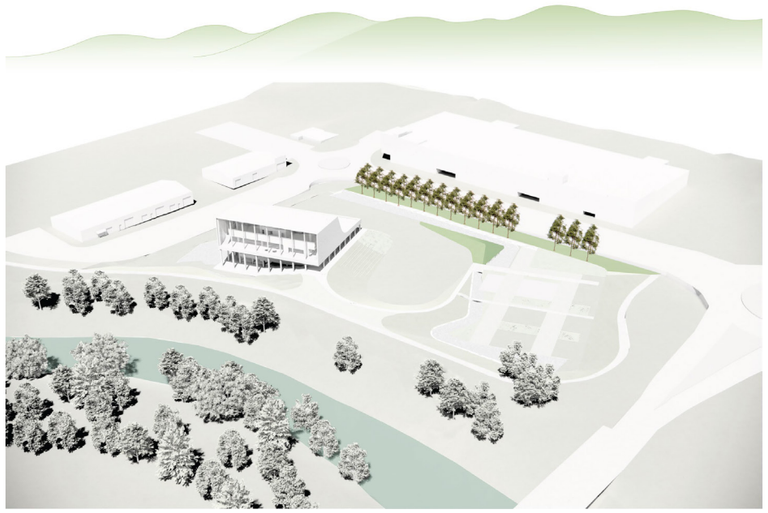
7

URBAN DESIGN RESPONSE

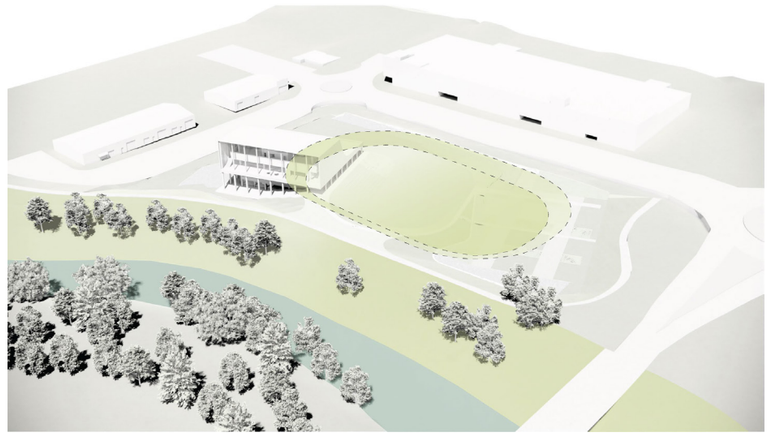
Urban Design Response
Landscape Approach - Design Principles



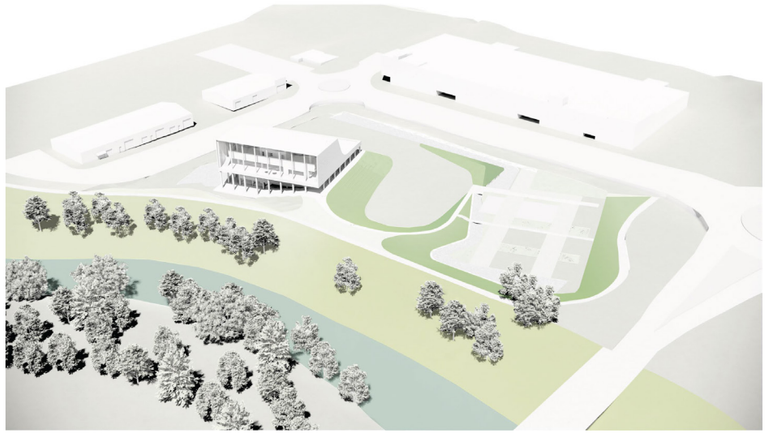
A landscape that responds to the language of the river



A landscape that draws the Flagstaff mountain range into the site and conceals the Eastpoint Shopping Centre Building

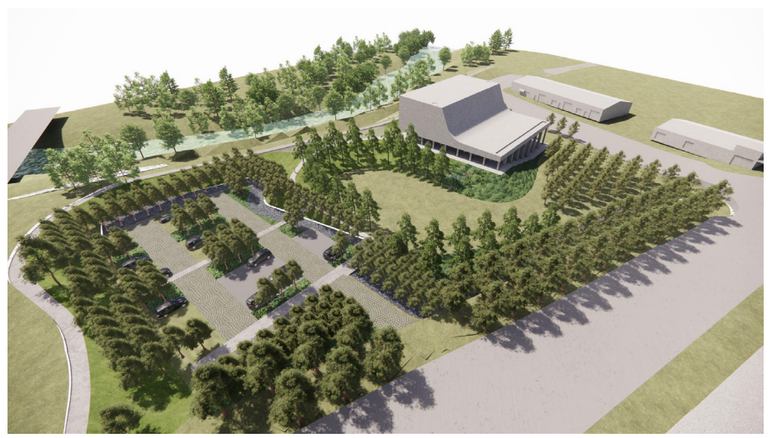


A landscape that responds to the historic land forms of the river levee and the velodrome, creating new high and low public spaces



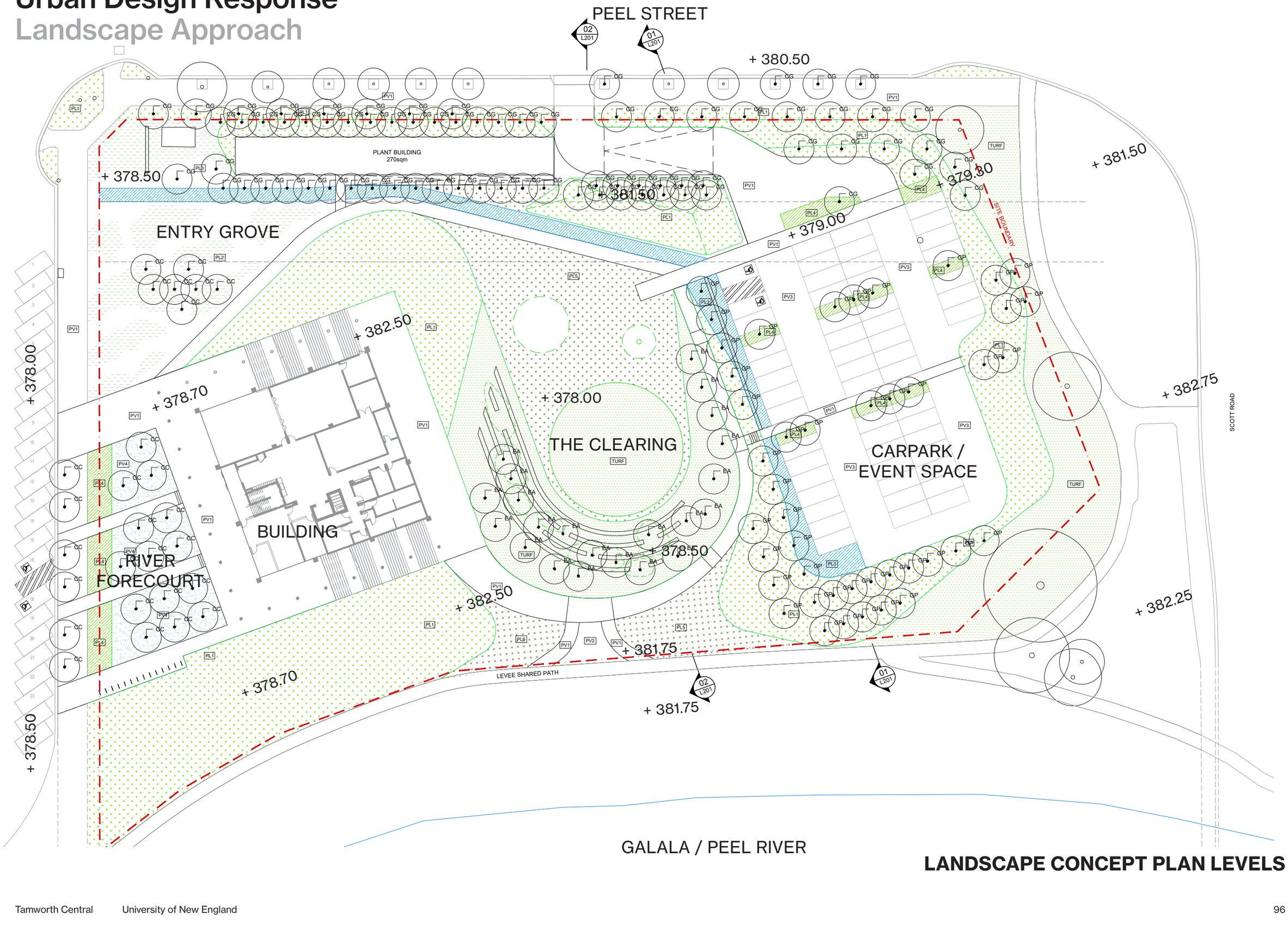
A landscape that provides spaces for flexible use

A landscape that uses the river and mountain character to define ground textures and planting



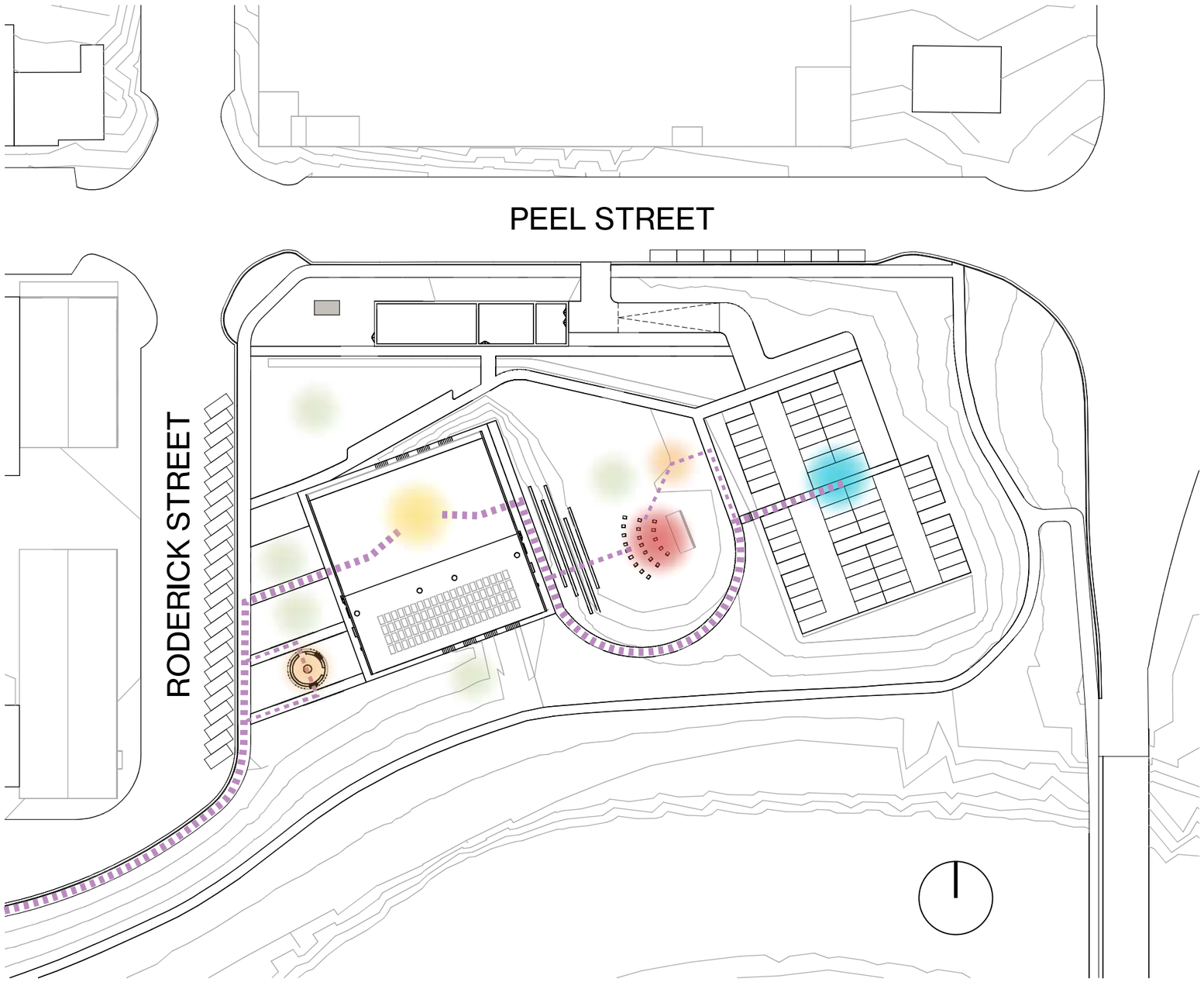
A landscape that ties the entire campus seamlessly with the surrounding nature

Urban Design Response
Landscape Approach



LANDSCAPE CONCEPT PLAN LEVELS

Urban Design Response
Campus Connections



CAMPUS CONNECTIONS

- The proposed Site Masterplan consists of 3 main areas, Home, Heart, and Gathering Space, which are respectively the Foundation Building, the Campus Agora, and the multi-function carparking space
- The campus network is seamlessly connected via curved pathways and gentle ramps, allowing users to feel the landscape to flow through the site
- Ground textures and planting are carefully selected and grouped to form feature landscaped spaces around the site, which help to delineate spaces for flexible use (see site plan)

Proposed footpath

Home - Foundation Building

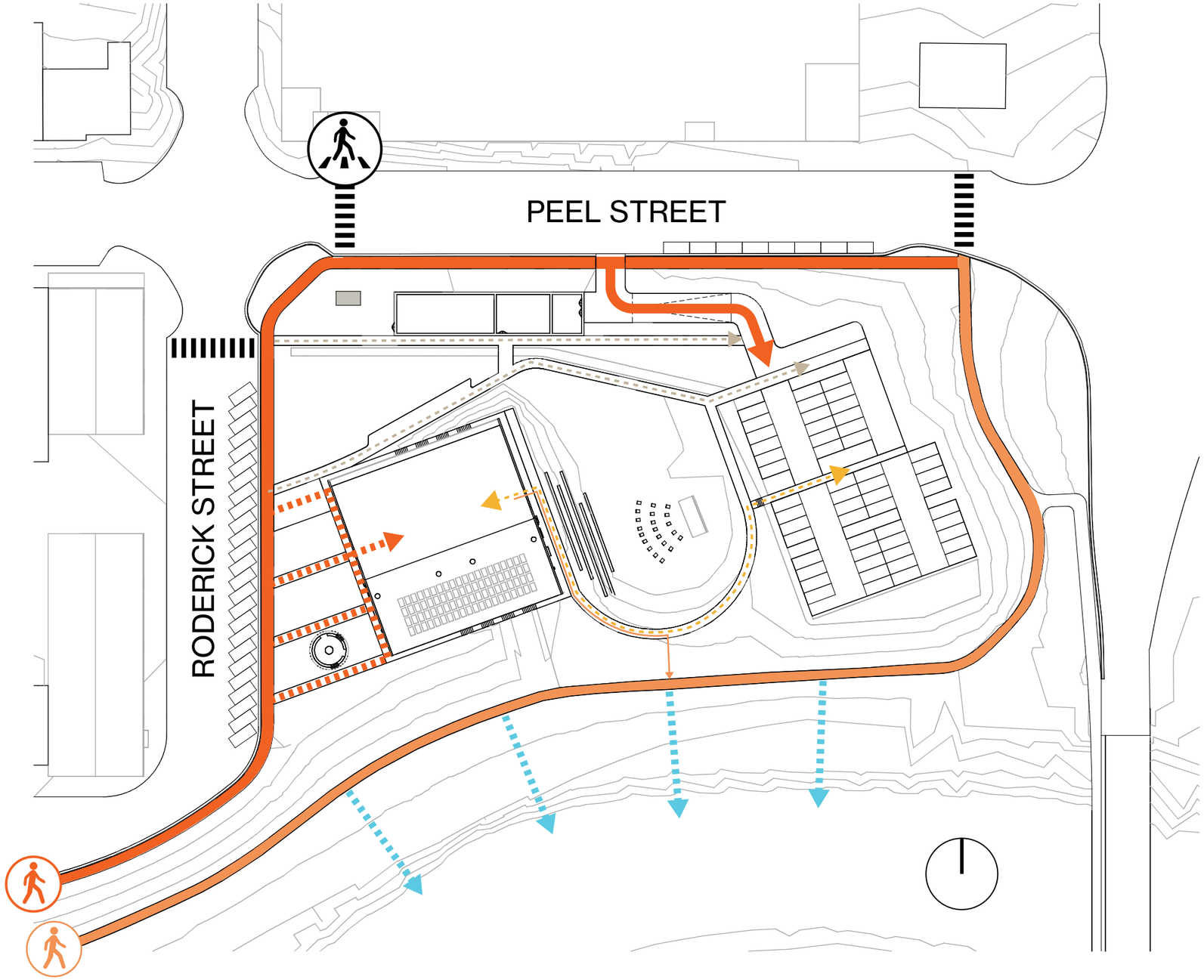
Heart - Campus Agora

Gather - Carpark / Event Space

Featured Landscape Spaces

Yarning Circles

Urban Design Response
Pedestrian Access



- Pedestrians can access the site from the top of the levy via the existing footpath
- Alternatively, the new proposed footpath offers pedestrian access from both Roderick and Peel Street
- There is potential to create outdoor public space to facilitate connection between the campus building and Peel River
- 1:22 'U-shape' ramp connects the Foundation Building to on-site carparking and Peel Street

Proposed footpath

Access to Foundation Building via Roderick Street

Access to carparking via Peel Street

Existing footpath

Access to levy from Foundation Building

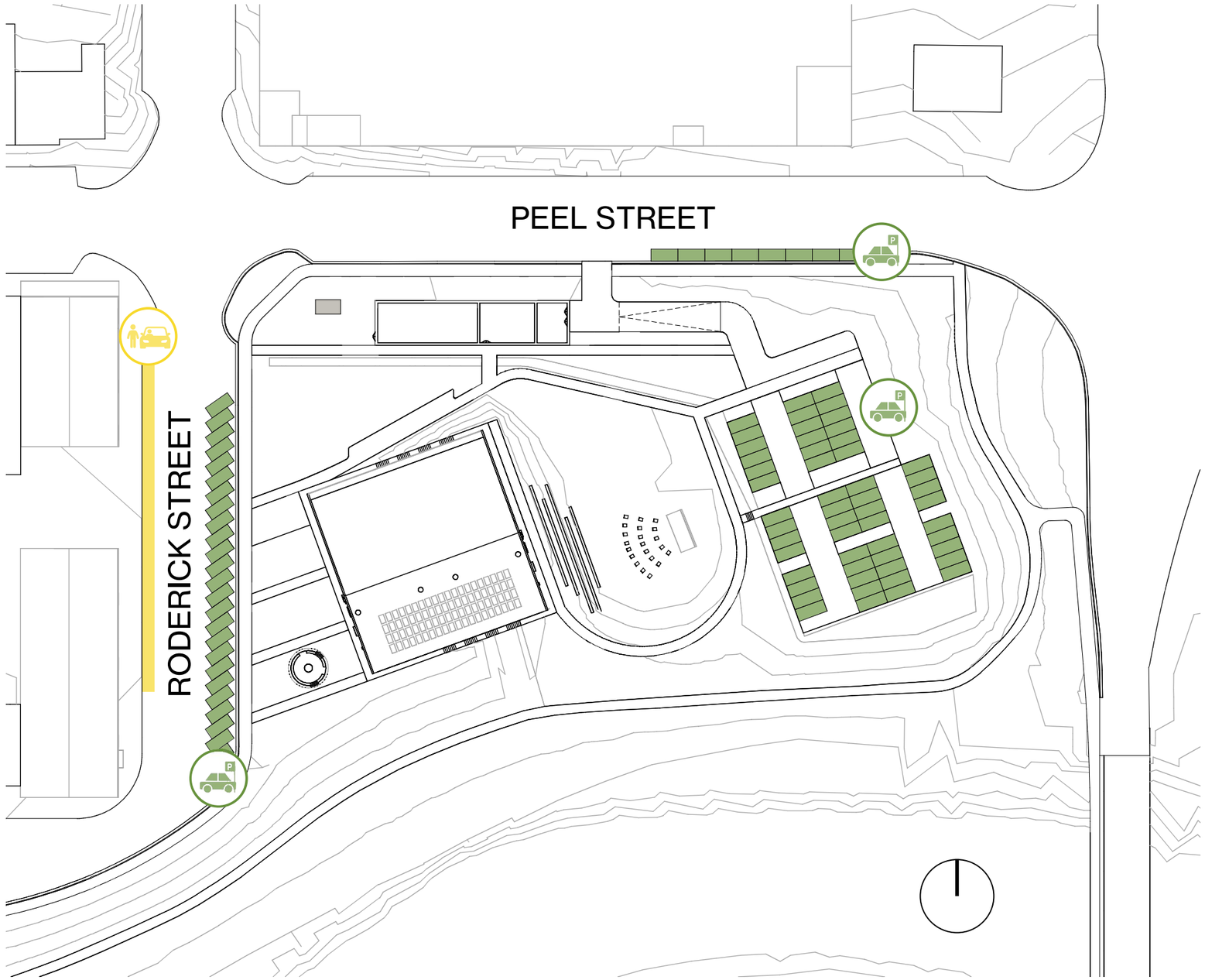
Access to Peel River bank

Ramp connecting Foundation Building to on-site carparking / Peel Street

Secondary access from Roderick Street to on-site carparking

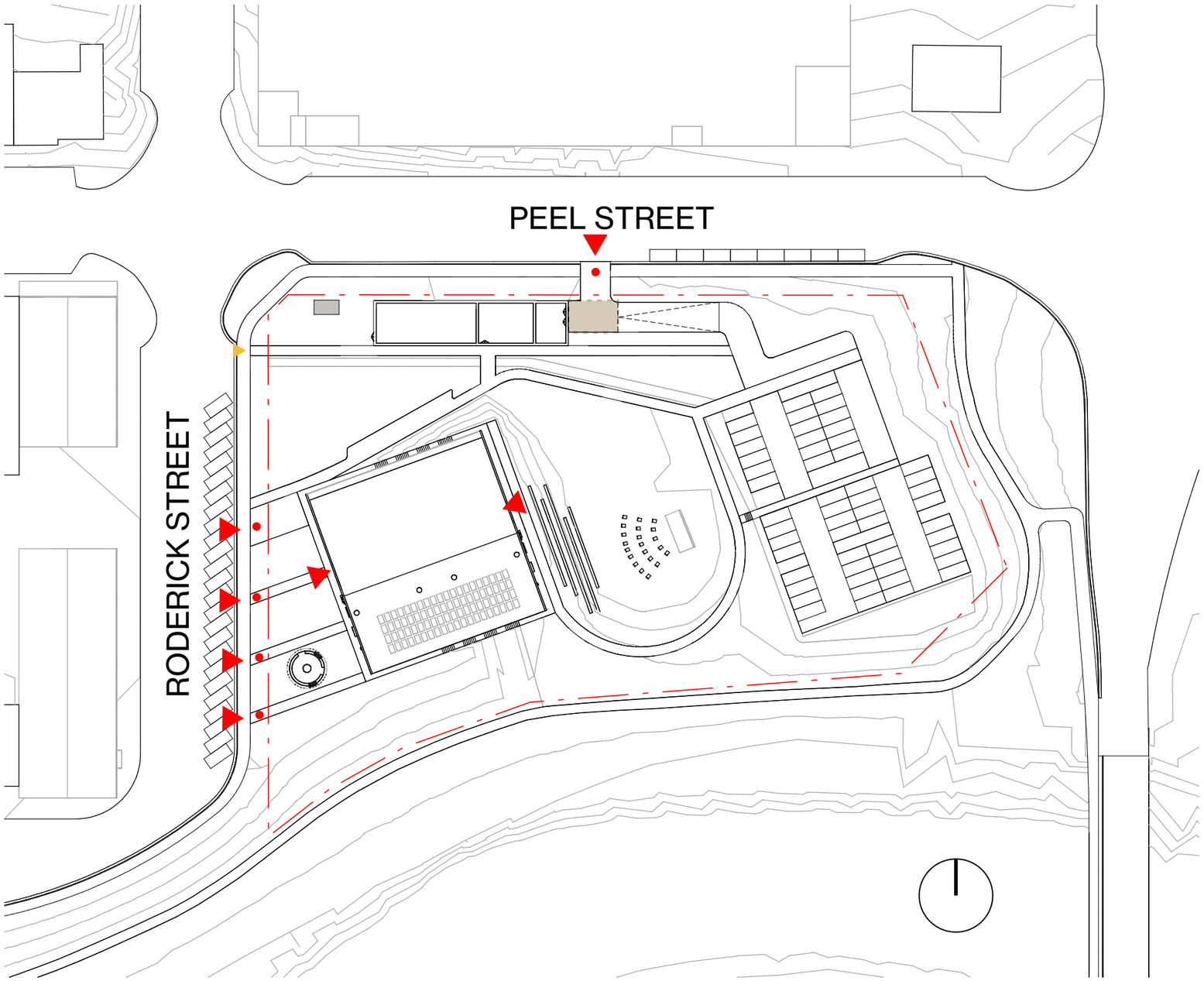
Pedestrian crossing

Urban Design Response
Traffic Movement



- Proposal to include both on-site carparking as well as street parking along Roderick and Peel Street
- There is potential to block-off Roderick Street so that it can function as a drop-off / pick-up point for students and staff

Urban Design Response
Perimeter



- The existing topography of the levee naturally delinates the perimeter of the site. The site boundary is marked in red.
- No security fencing system is required for this site.
- Loading dock to be located adjacent to Peel Street and accessible by vehicle via carpark ingress/egress ramp

Main Access (Ingress)

Main Exit (Egress)

Secondary Access

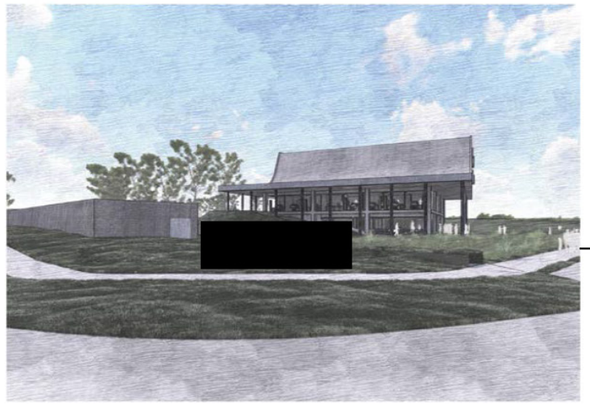
Site Boundary (No Secure Fence)

Loading Dock

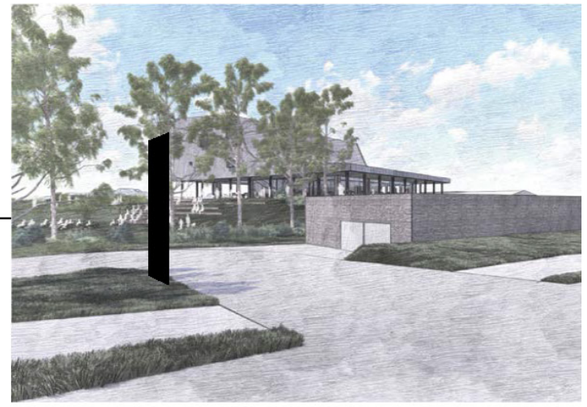
Access to Plant and Fire Rump Room

Urban Design Response
Signage

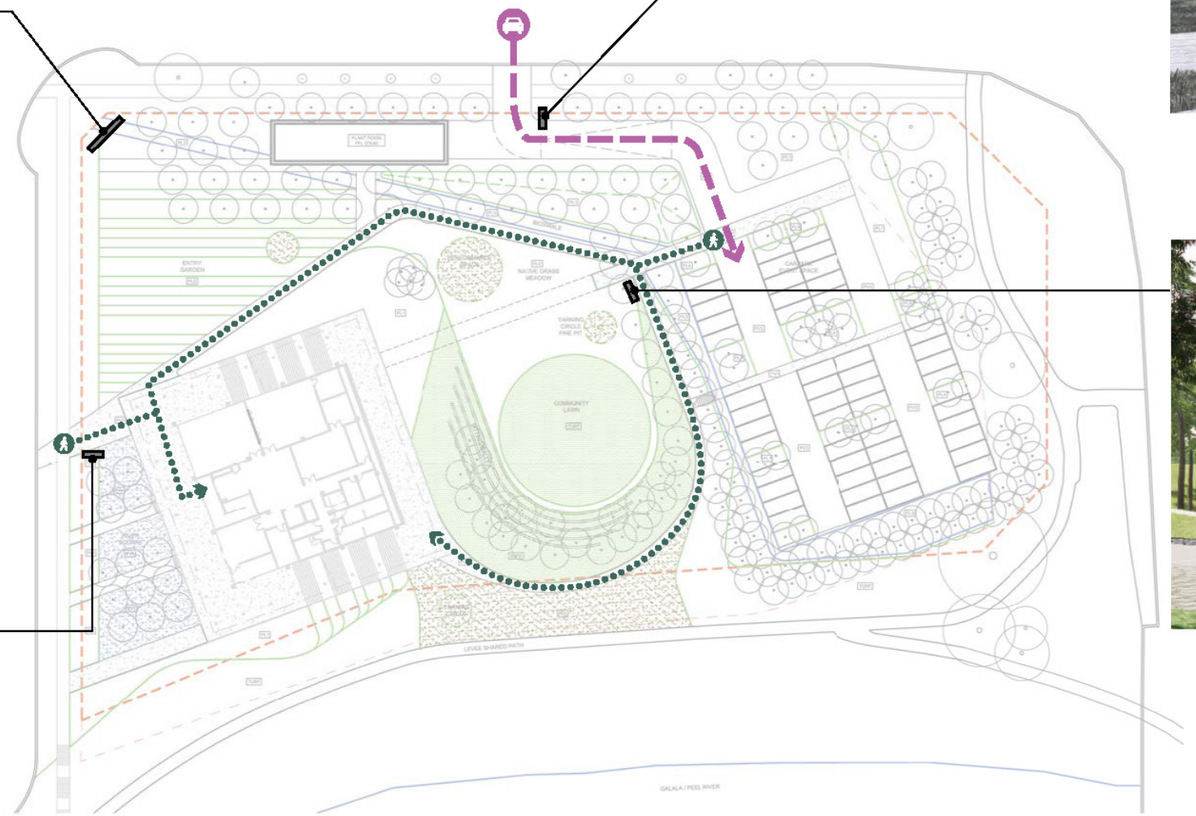
WAYFINDING ANALYSIS - EXTERNAL SIGN LOCATION PLAN

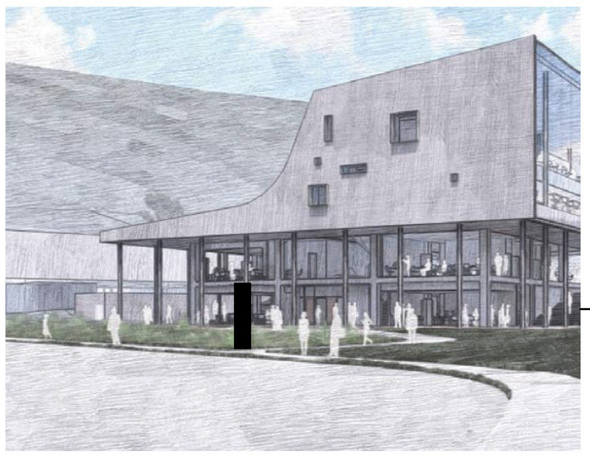


ID1a - Campus Identification Sign
— Identifies Campus



ID1b - Vehicular Entrance Sign
— Directs to car park
— Identifies Campus

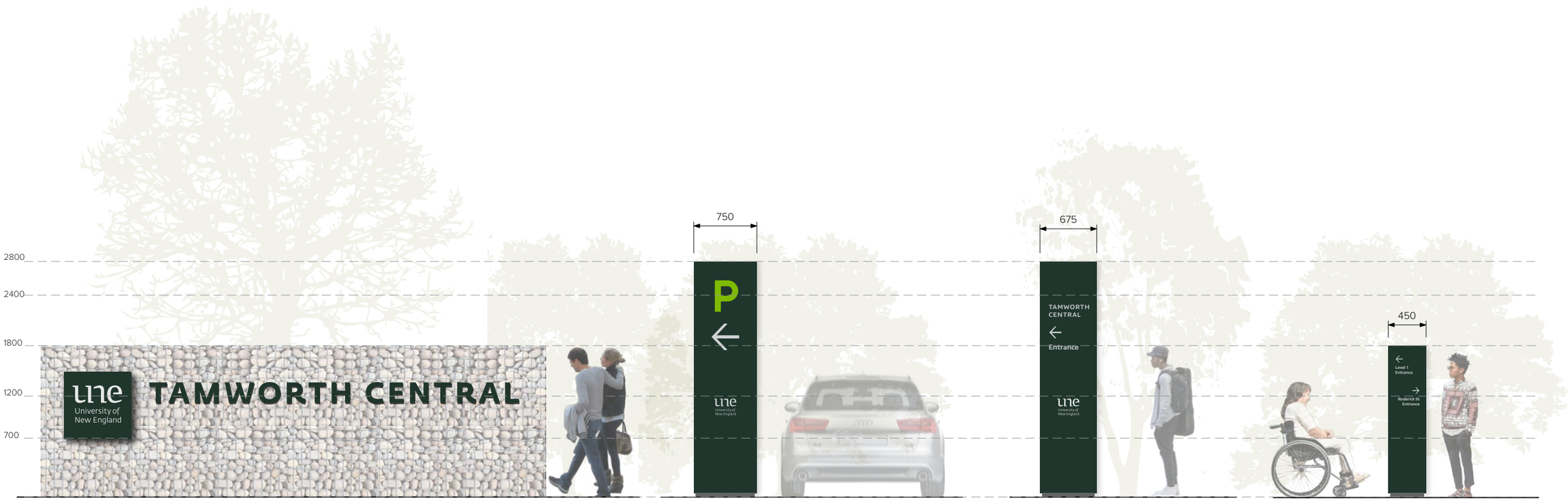




ID1c - Pedestrian Entrance Sign
— Directs to Entrance
— Identifies Campus

DR1a - Pedestrian Directional Sign
— Direct to building entry

Urban Design Response
Signage



ID1a • Identification - University Identification Sign

- Freestanding gabian wall structure, features local stones
- Individual letters and logo panel, pin fixed to structure
- Externally illuminated with inground spot lights

ID1b • Vehicular Entrance Sign

- Freestanding sign blade with aluminium faces
- Double sided
- Intracut graphics
- Internally illuminated with LED backlights

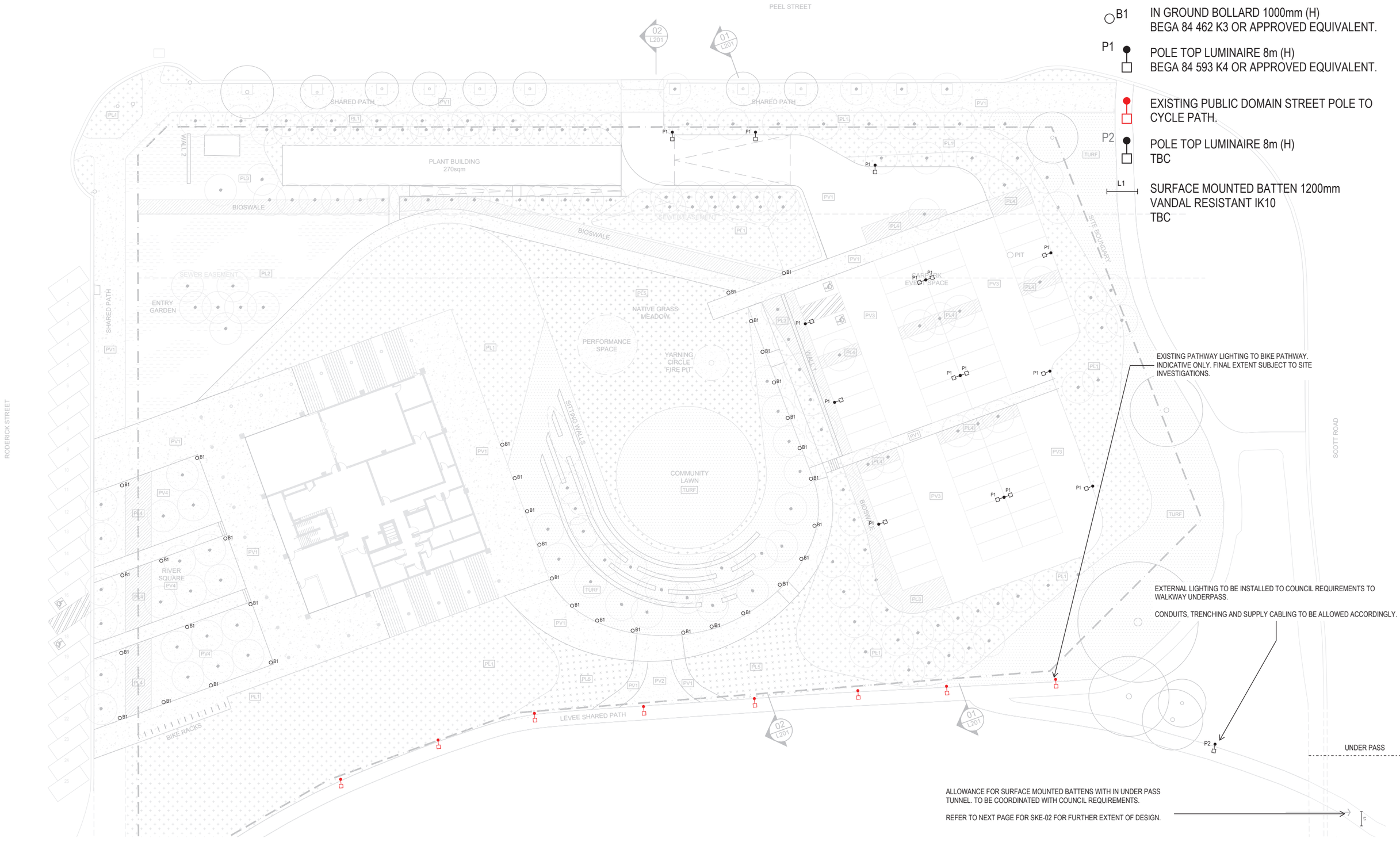
ID1c • Pedestrian Entrance Sign

- Freestanding sign blade with aluminium faces
- Double sided
- Intracut graphics
- Internally illuminated with LED backlights

DR1a • Directional - Blade

- Freestanding sign blade with aluminium faces
- Double sided
- Vinyl graphics

Urban Design Response
External Lighting



B1 IN GROUND BOLLARD 1000mm (H)
BEGA 84 462 K3 OR APPROVED EQUIVALENT.

P1 POLE TOP LUMINAIRE 8m (H)
BEGA 84 593 K4 OR APPROVED EQUIVALENT.

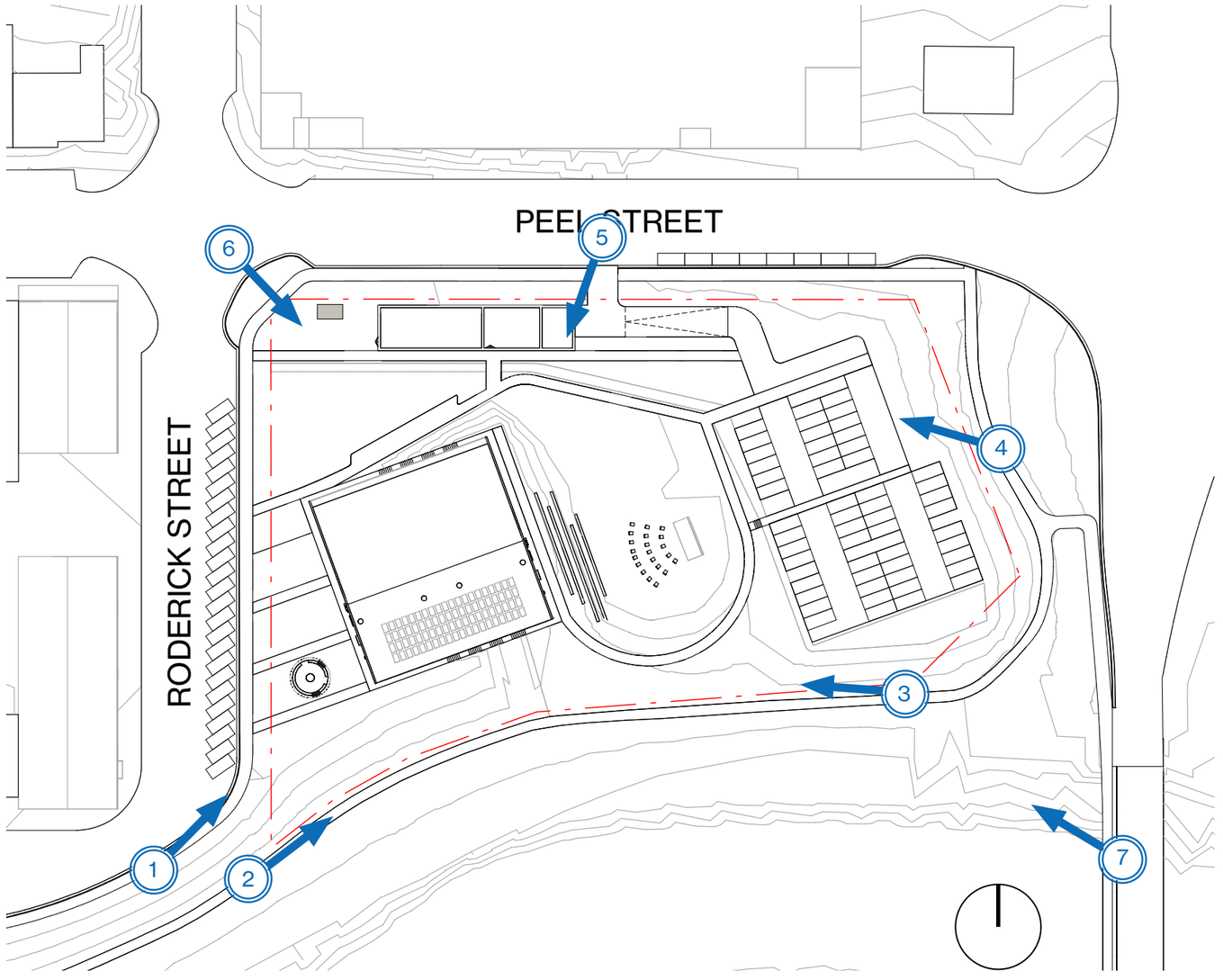
EXISTING PUBLIC DOMAIN STREET POLE TO CYCLE PATH.

P2 POLE TOP LUMINAIRE 8m (H)
TBC

L1 SURFACE MOUNTED BATTEN 1200mm
VANDAL RESISTANT IK10
TBC

Urban Design Response
Visual Impact Analysis

VIEW NUMBER	DESCRIPTION
1	Approach to UNE Tamworth Central Campus from Roderick Street corner sidewalk
2	South approach to UNE Tamworth Central Campus along existing bike path atop Galala River levee
3	North approach to UNE Tamworth Central Campus along existing bike path atop Galala River levee
4	View of UNE Tamworth Central carpark along existing bike path, looking northward
5	View of UNE Tamworth Central Campus from Peel Street, at carpark ingress
6	View of UNE Tamworth Central Campus from intersection of Peel and Roderick Street
7	View of UNE Tamworth Central Campus from New England Highway Bridge

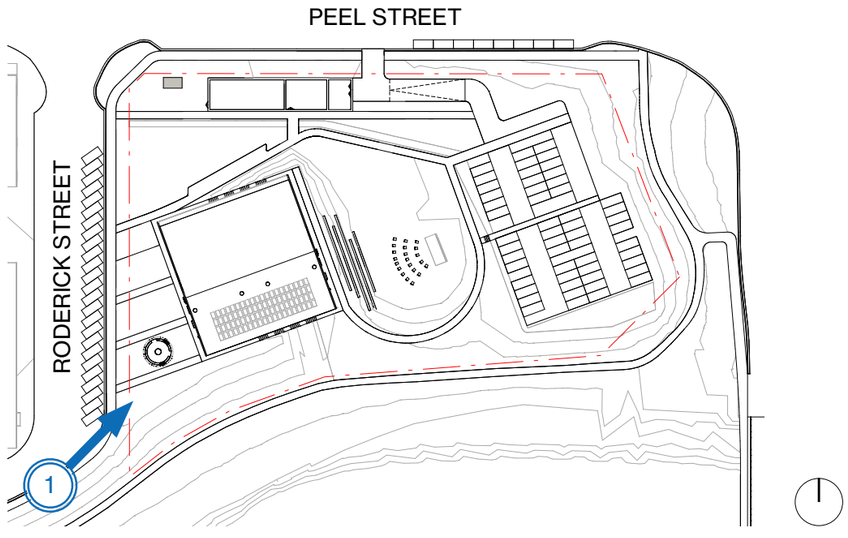


EL - Boundary

VIEW 1 - APPROACH TO CAMPUS FROM RODERICK STREET CORNER SIDEWALK

Existing

Proposed



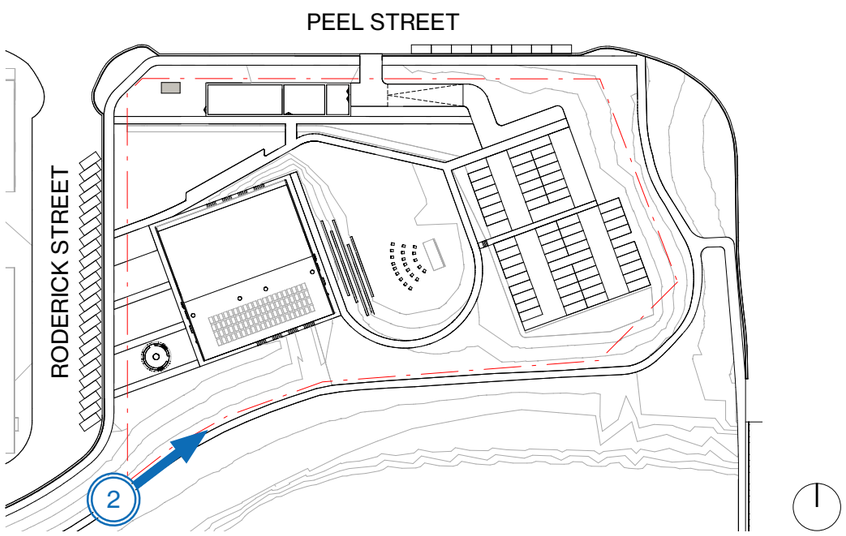
Proposed Site Boundary

View Location & Direction

VIEW 2 - SOUTH APPROACH TO CAMPUS ALONG EXISTING BIKE PATH ATOP GALALA RIVER LEVEE

Existing

Proposed



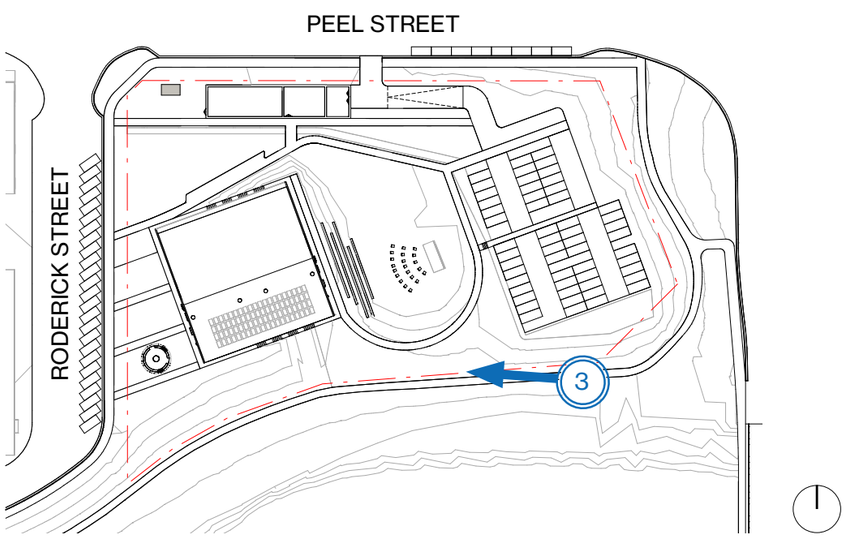
Proposed Site Boundary

View Location & Direction

VIEW 3 - NORTH APPROACH TO CAMPUS ALONG EXISTING BIKE PATH ATOP GALALA RIVER LEVEE

Existing

Proposed



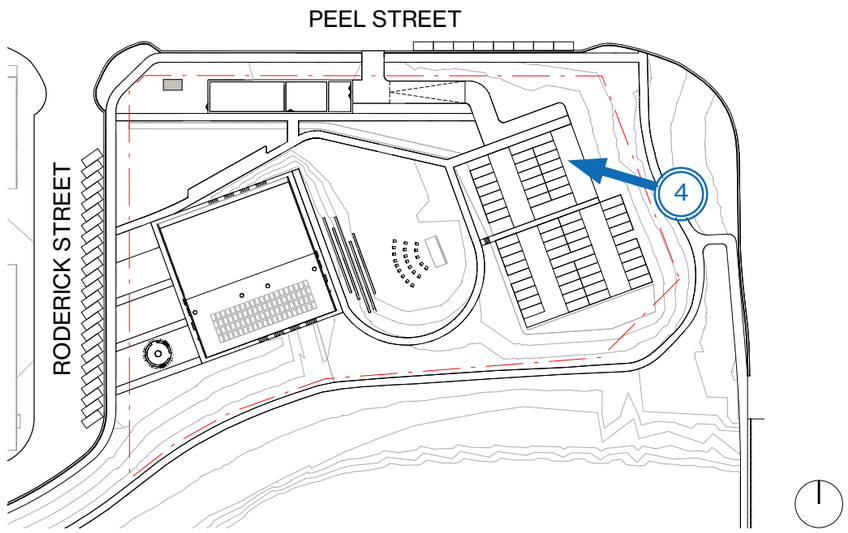
Proposed Site Boundary

View Location & Direction

VIEW 4 - VIEW OF CARPARK ALONG EXISTING BIKE PATH, LOOKING NORTHWARD

Existing

Proposed



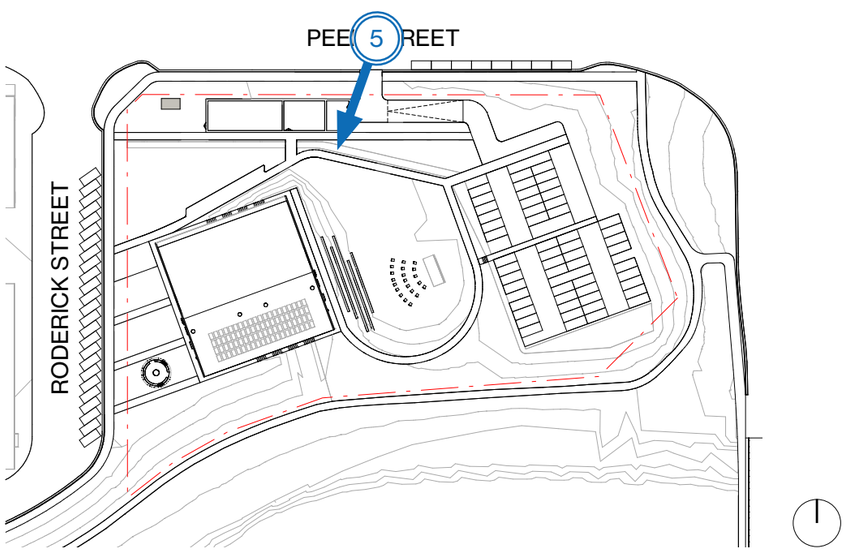
Proposed Site Boundary

View Location & Direction

VIEW 5 - VIEW OF CAMPUS FROM PEEL STREET, AT CARPARK INGRESS

Existing

Proposed



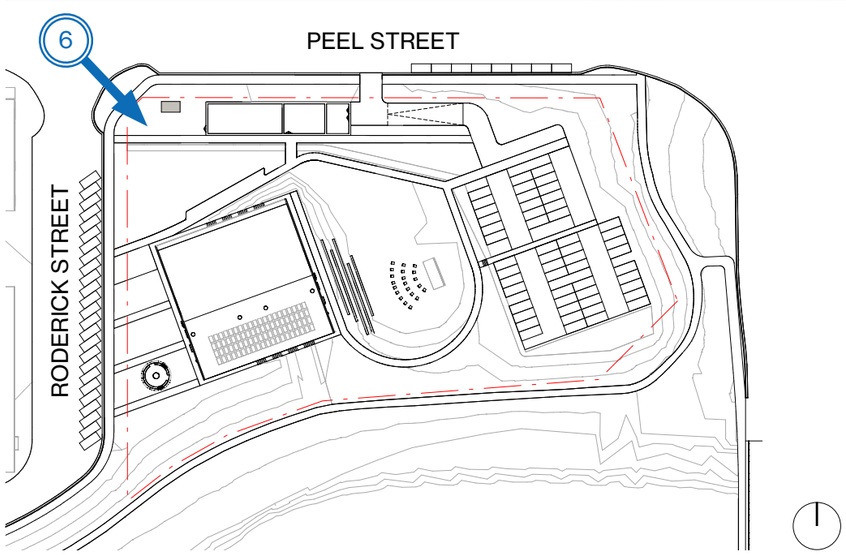
Proposed Site Boundary

View Location & Direction

VIEW 6 - VIEW OF CAMPUS FROM INTERSECTION OF PEEL AND RODERICK STREET

Existing

Proposed

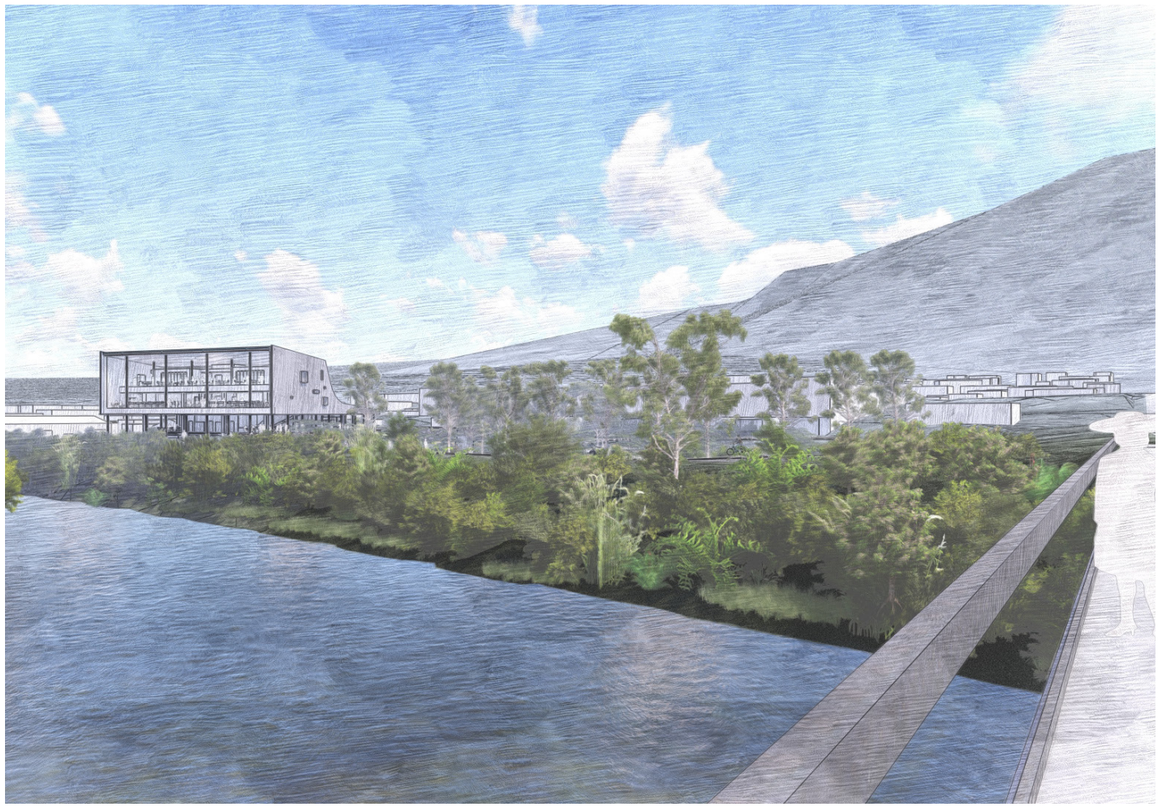


Proposed Site Boundary

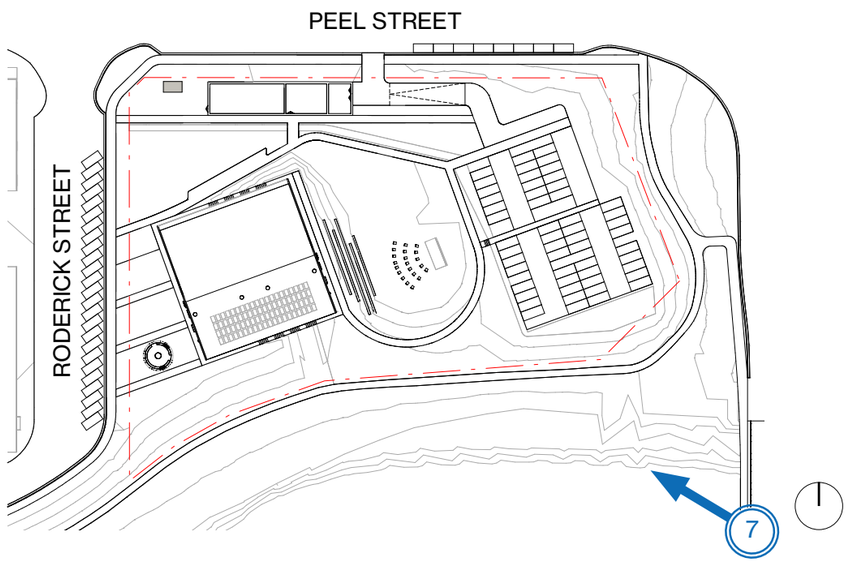
View Location & Direction

VIEW 7 - VIEW OF CAMPUS FROM NEW ENGLAND HIGHWAY BRIDGE

Existing



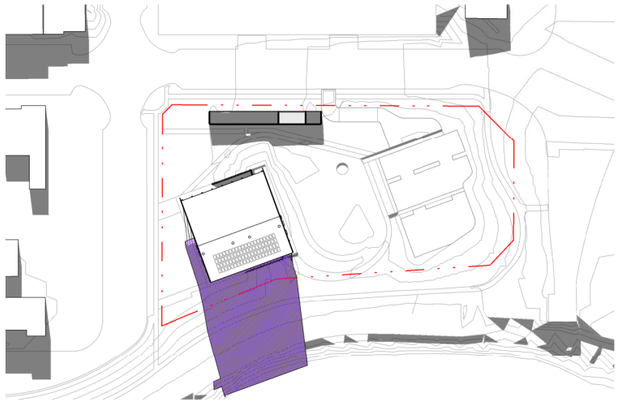
Proposed



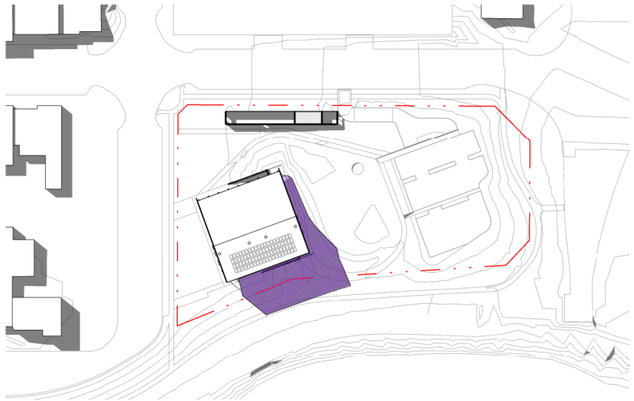
Proposed Site Boundary

View Location & Direction

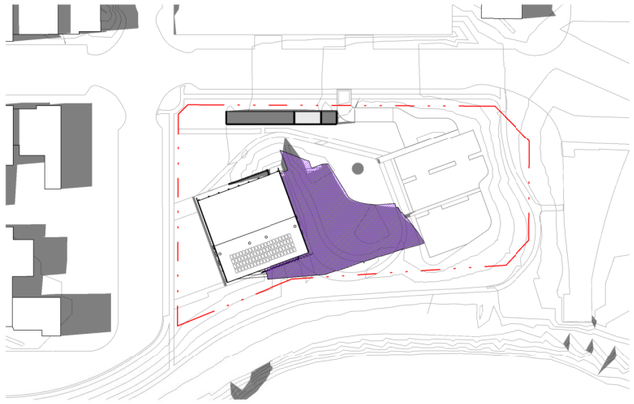
Urban Design Response
Shadow Diagrams



21st June - 9 AM



21st June - 12 PM



21st June - 3 PM

8

ENVIRONMENTAL RESPONSE

Environmental Response
ESD Principles + Targets

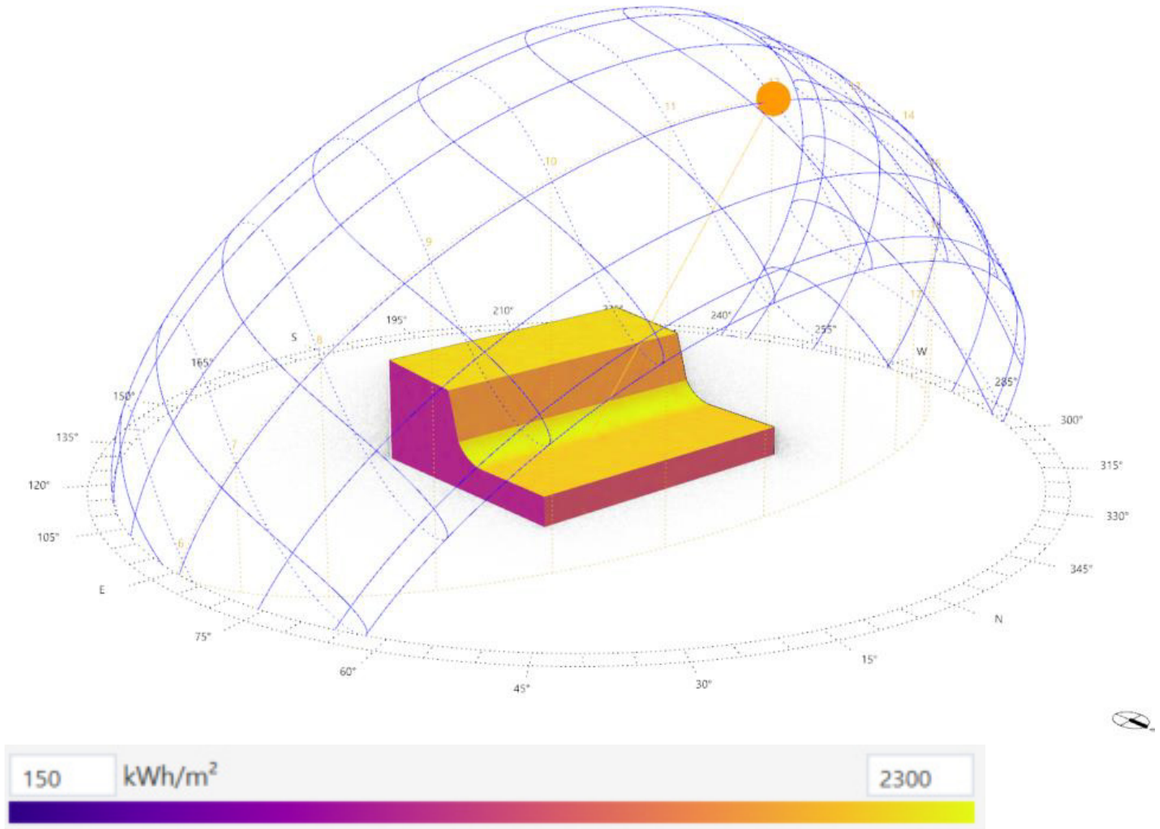
SITE CONTEXT

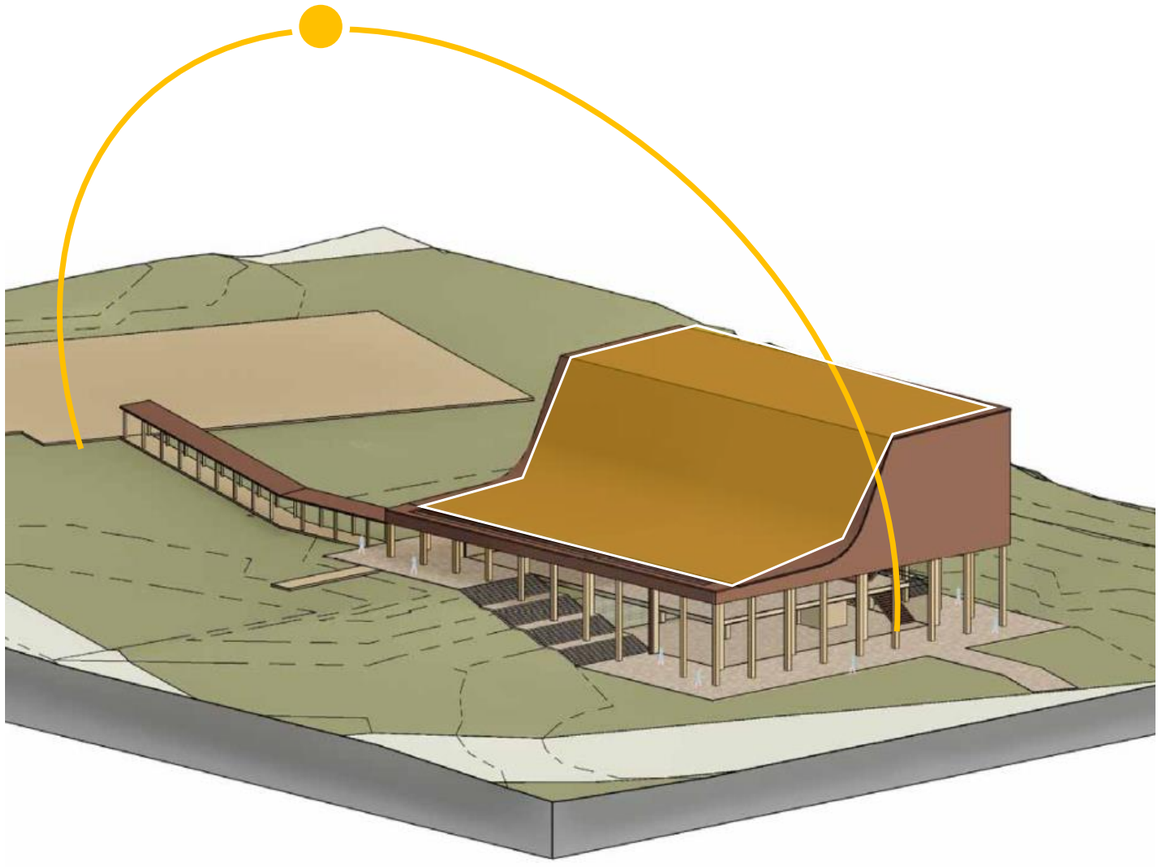
Synergise with the context, country and nature

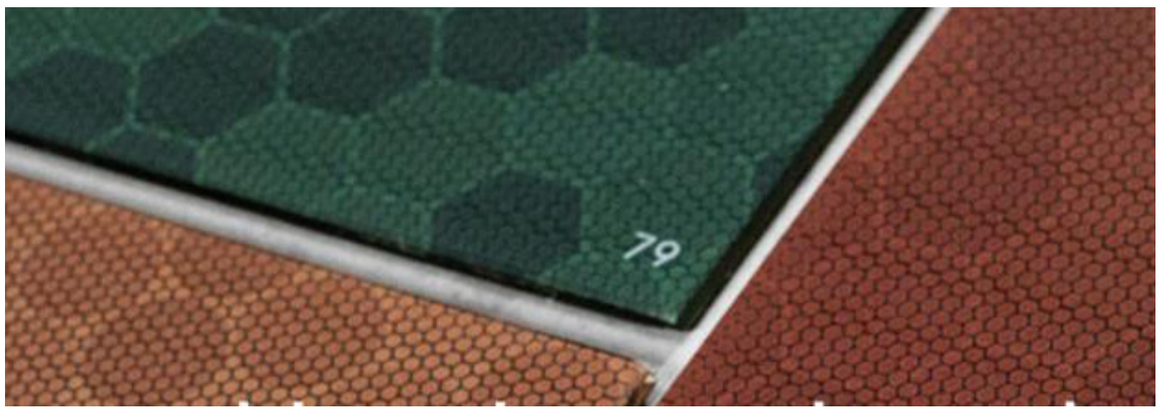
Environmental Response
ESD Principles + Targets

SOLAR IMPACT

- Find the optimal orientation for a solar roof (NCC Minimum Requirement 20%)
- Use solar panels with colour and texture to blend in with the nature



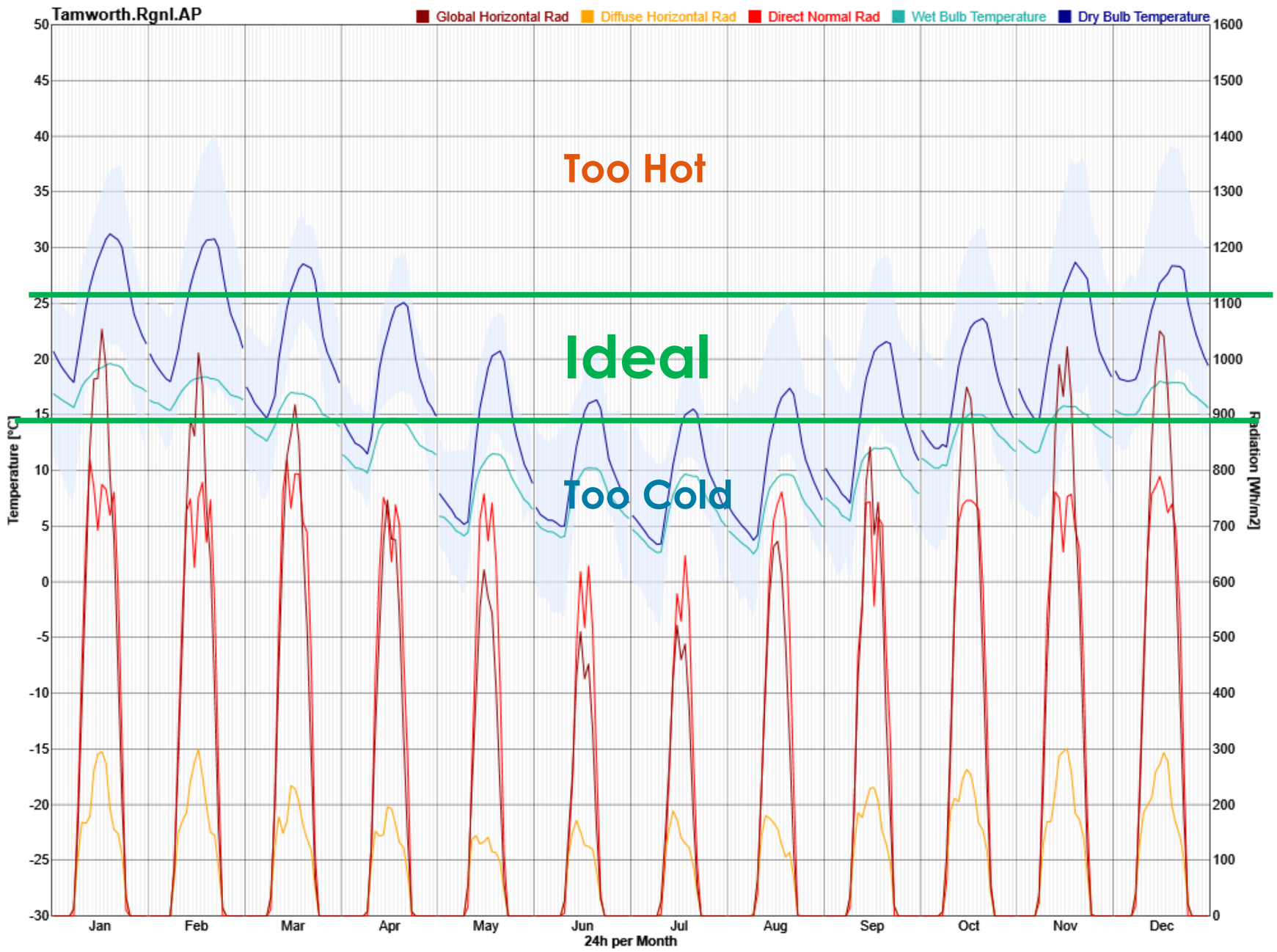




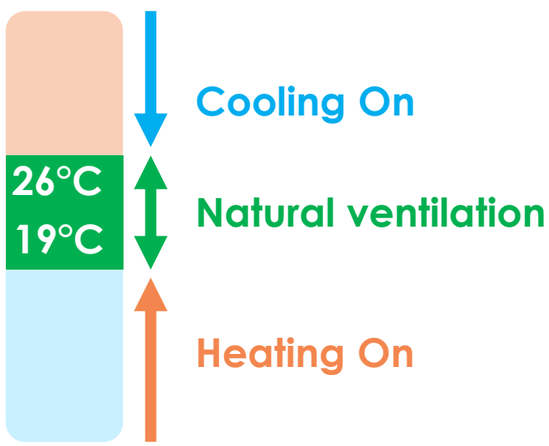
Environmental Response
ESD Principles + Targets

TEMPERATURE

Ideal outdoor temperatures for natural ventilation temperatures in shoulder seasons

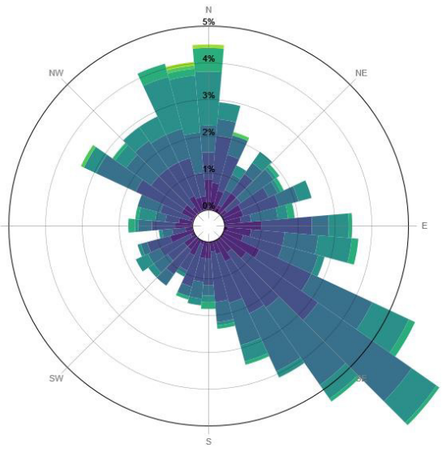


Indoor requirements

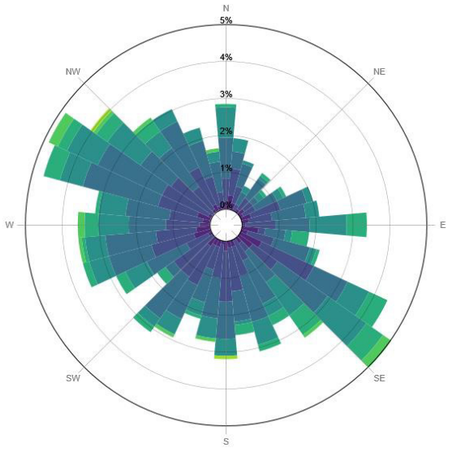


Environmental Response
ESD Principles + Targets

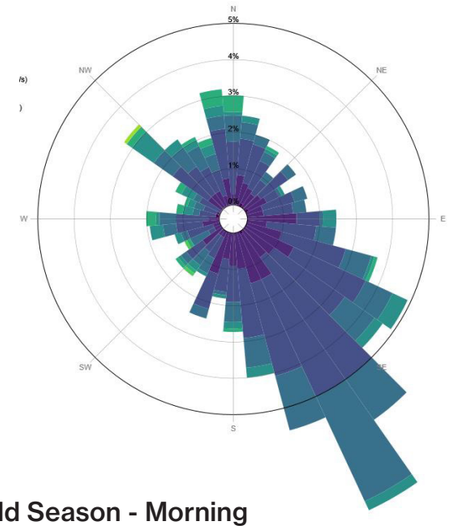
NATURAL VENTILATION



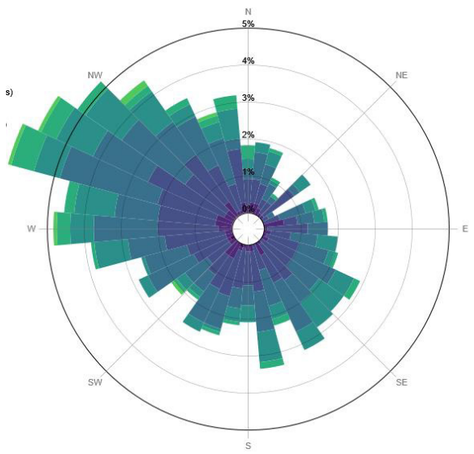
Warm Season - Morning



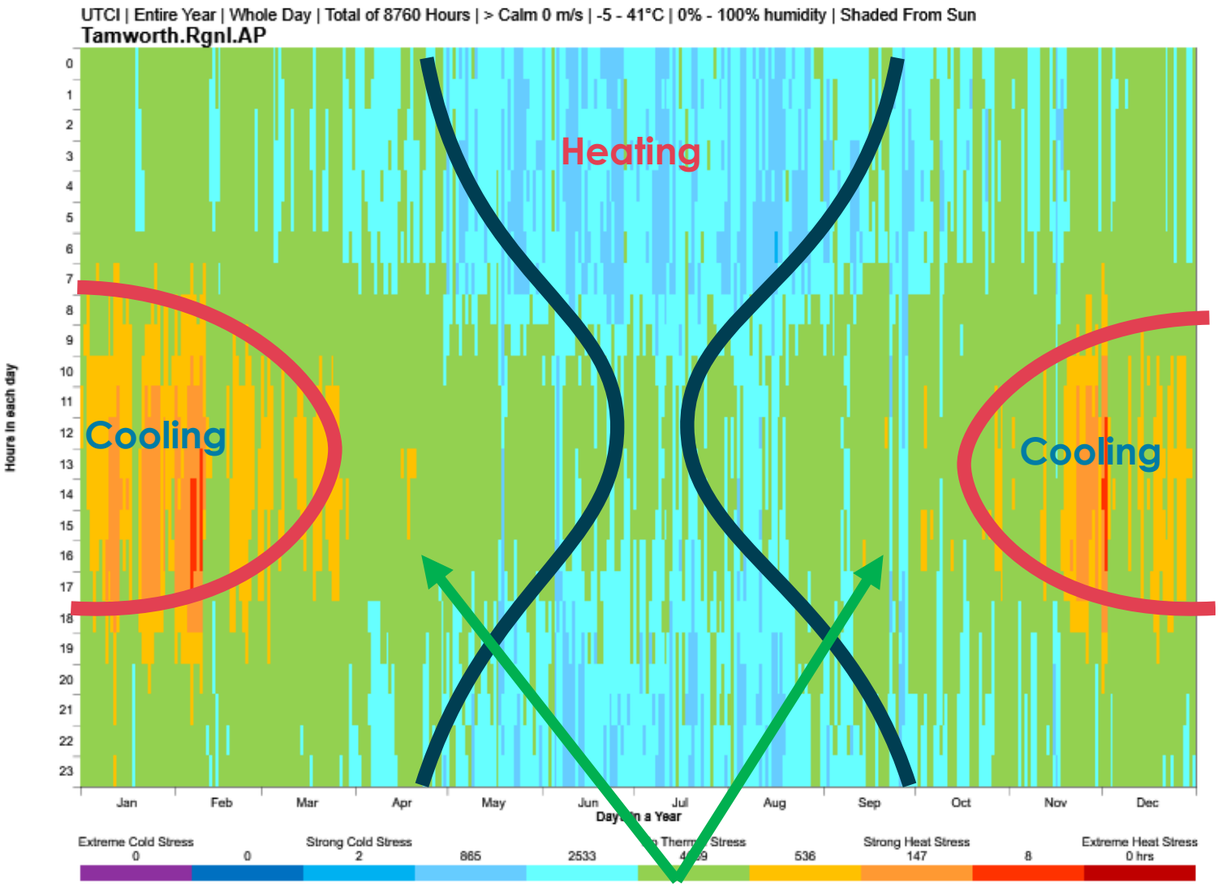
Warm Season - Afternoon



Cold Season - Morning

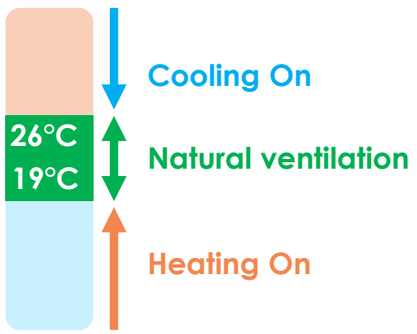


Cold Season - Afternoon



NATURAL VENTILATION POTENTIAL

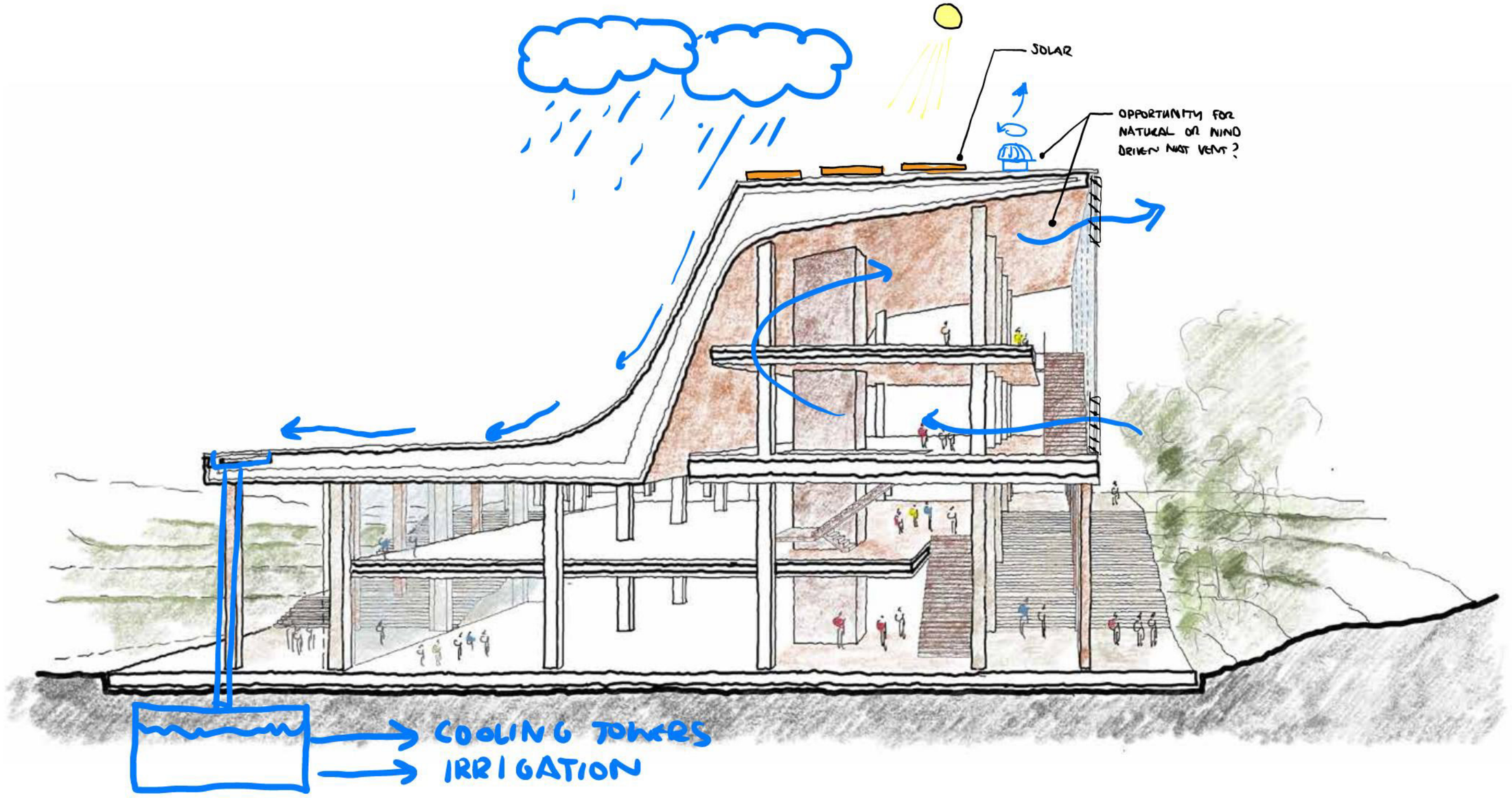
Indoor requirements



Environmental Response
ESD Principles + Targets

RAINWATER CAPTURE

Use rooftop rainwater for cooling towers, landscaping and toilets



9

CONSULTANT INPUT

Consultant Input QS - Cost Plan

Consultant Input Landscape Concept

Consultant Input

Sustainability

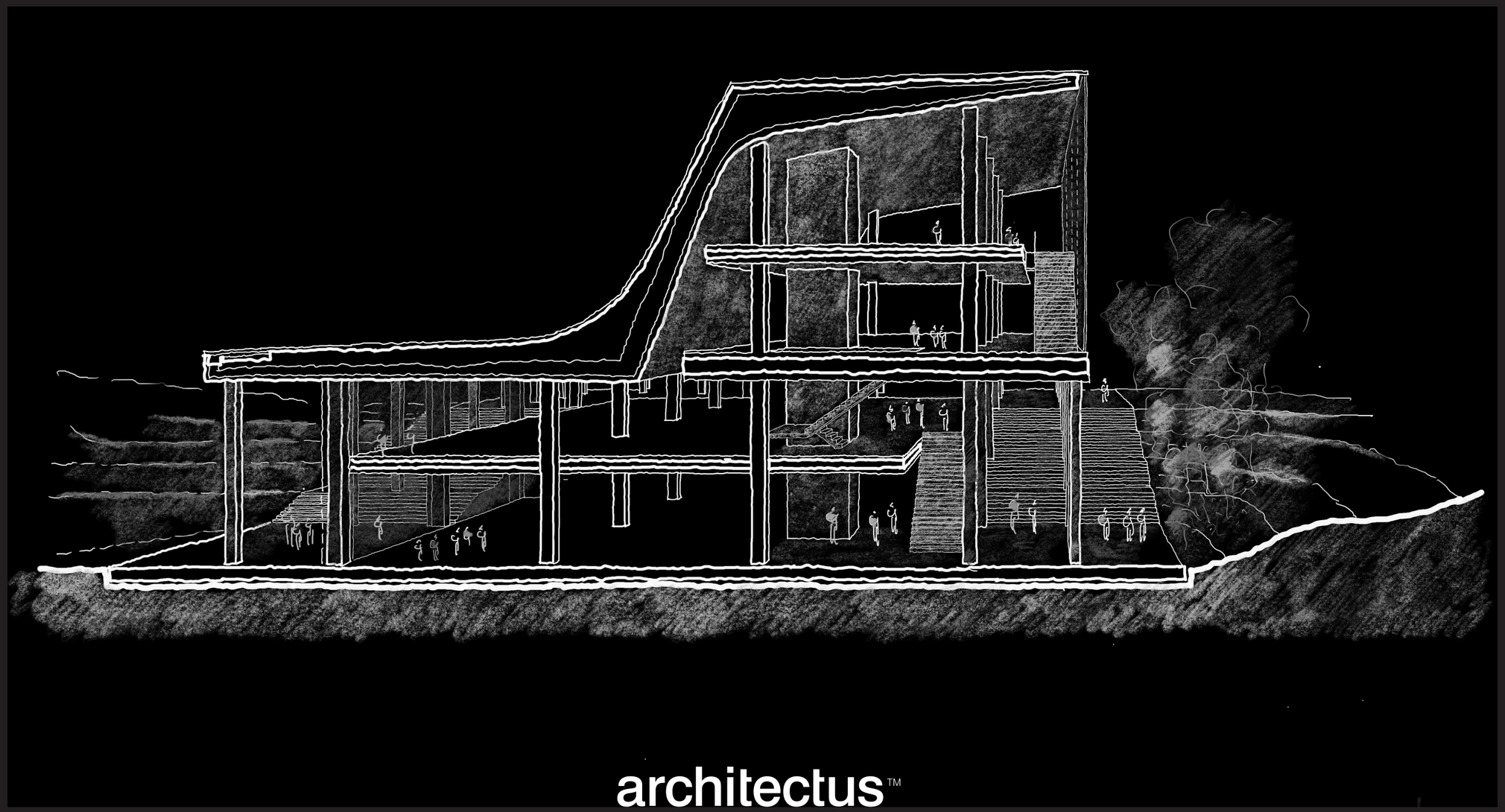
Consultant Input Civil Concept

Consultant Input Traffic Studies

Consultant Input Structural Concept

Consultant Input Building Services

Consultant Input Signage



architectus™