

ARCADIA

St Aloysius College Rozelle Campus Development Application

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ARCADIA

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

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Site Understanding

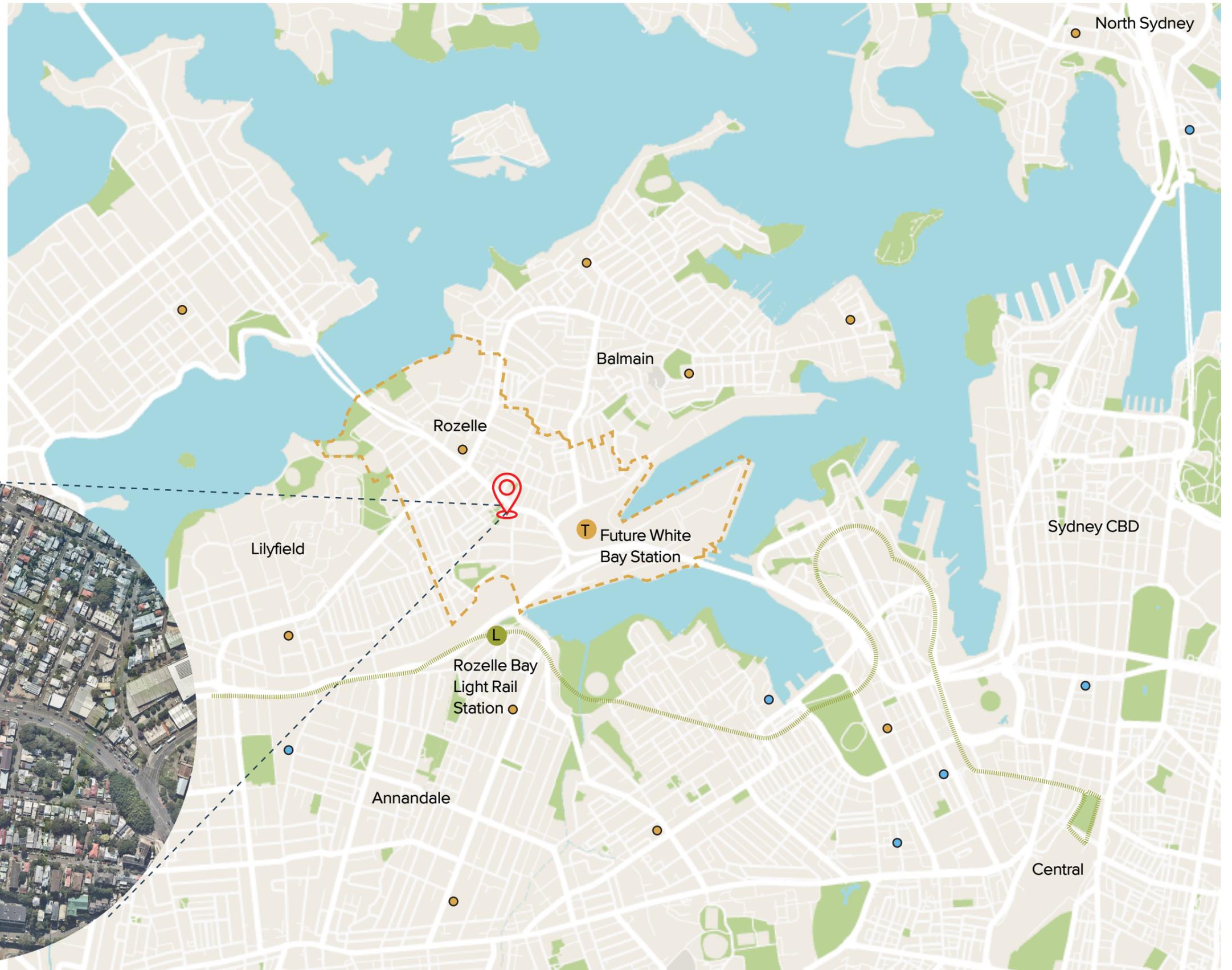
Regional Context

Rozelle is located within the Inner West Council, 4km away from the Sydney CBD. It sits to the south-west of Balmain and to the north-east of Lilyfield.

The future Sydney Metro will connect Western Sydney with the Inner West to Sydney CBD. One of the stations White Bay Station will be located within walking distance from the site.

Legend

- Primary schools
- Secondary schools
- - - LGA
- ⋯ Light rail



Local Context

'The Central Spine'

Victoria Rd connects Parramatta with the western end of Anzac Bridge. It runs through the centre of Rozelle. The local commercial activities take place along Victoria Rd and Darling st, forming a central 'spine' where most bus routes travel through. There is a strong visual connection with the Sydney CBD and the iconic White Bay Power Station from Victoria Rd, forming the backdrop of Rozelle's lower built form profile.

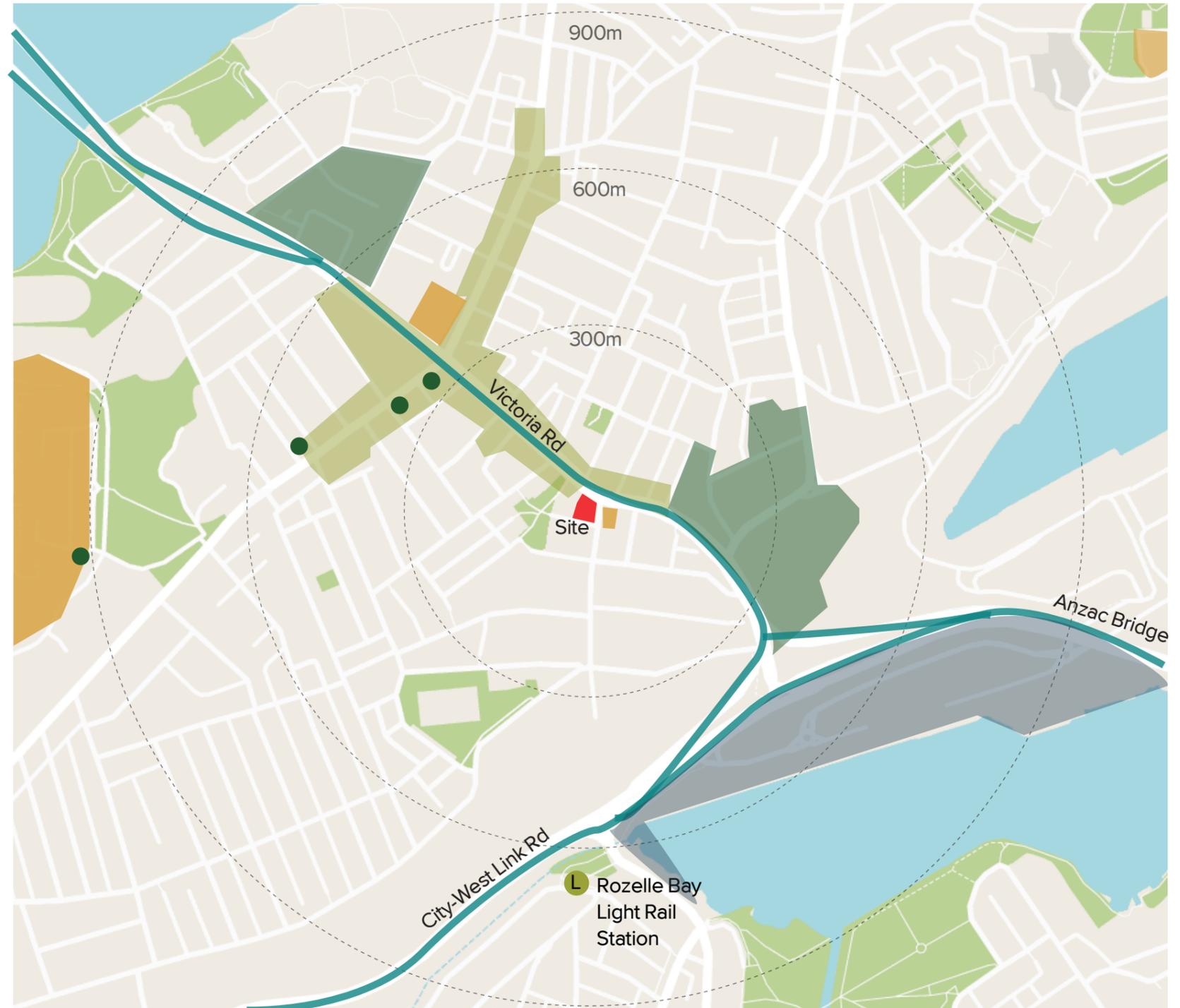
Educational opportunities

There is currently a primary school and a community college in Rozelle while the closest secondary school is located 1.8km away in Glebe, serving the surrounding area of 10.82km². It represents the opportunities for secondary education institutions. The local area is also lacking libraries and public community venues.



Legend

- Galleries
- Park and Sport fields
- Local commercial stripe
- Light industrial activities
- Education institution
- Residential
- Maritime industry



History

Traditional Owner

Dharug-Eora people are the traditional custodians of Sydney area for at least 10,000 years before European settlement and it is presumed that the Wangal band of the Dharug-Eoro language group may have lived in Rozelle.

European Settlement

Rozelle was part of the land grant made to colonial surgeon William Balmain in 1800 and it was originally known as Balmain West until 1892 when Rozelle became the official name.

Between 1860-1882 land subdivision, speculation and sales surged and the European population increased more than twice rapidly.

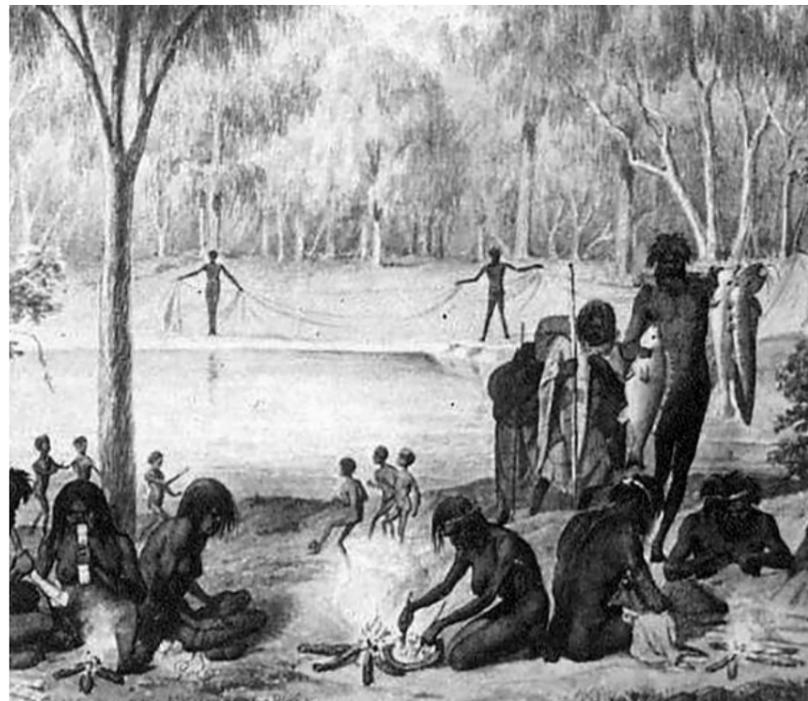
Industrial Legacy

Rozelle's eastern foreshore was significant for Australia's coal and timber industry, with landmark such as the coal-fired White Bay Power Station and Glebe Island Grain Silos. Australia's first factory for chemicals, pharmaceuticals and glassworks was established in Iron Cove foreshore by 1865. Abattoir operated at Glebe Island from 1860-1912, along with candle and soap manufacture using animal carcasses. Light industries such as broom and brush making occupied sheds across Rozelle's streets and laneways. The steam trams were introduced in 1892 and Rozelle Tram Depot was second largest tram depot in Sydney.

Along with the industrialisation, it was the reclamation of Rozelle Bay, White bay, the mangroves and other ecological communities within, as well as the pollution of waterways and marine environment in the 1890s.

Nowadays, residential is the major land use in Rozelle while some light industrial activities and marine industries still exist.

(Williams, J 2010 Rozelle, Dictionary of Sydney <http://dictionaryofsydney.org/entry/rozelle>)



Natural System

Ecological Community

Prior to European settlement, much of the landscape of inner-western Sydney was vegetated with Sydney Turpentine-ironbark Forest. Less than 0.5% of them remain and it has become an endangered ecological community today. It is an open forest, with dominant canopy trees including Turpentine *Syncarpia glomulifera*, Grey Gum *Eucalyptus punctata*, Grey Ironbark *E. paniculata* and Thin-leaved Stringybark *E. eugenoides*.

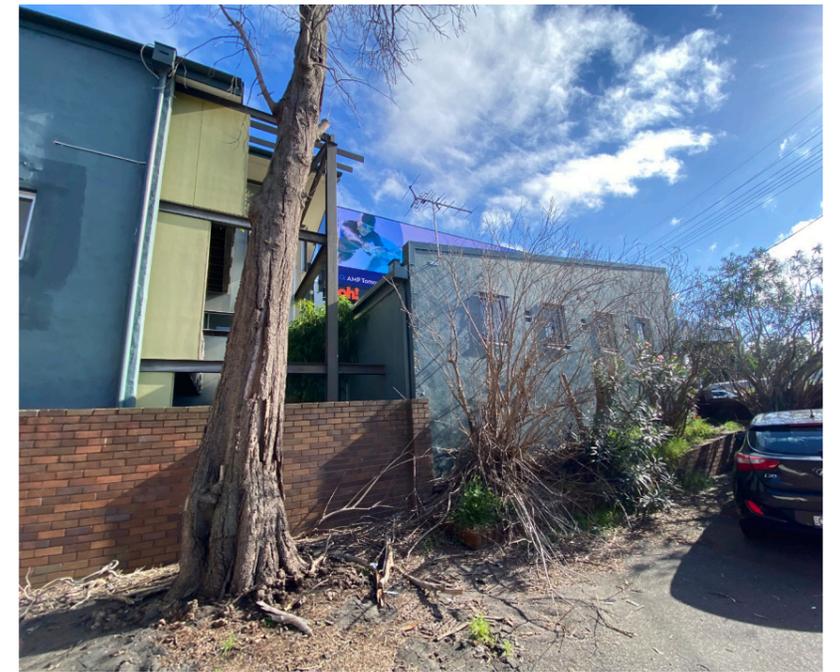
Vegetation on site

Existing vegetation on site include mature and semi-mature native trees and shrubs such as *Corymbia maculata*, *Glochidion ferdinand* and *Murraya paniculata*. The vegetation in south-eastern garden bed are generally in good health but there are a few specimens in poor condition along the western and northern boundary.

Similar to other parts of Rozelle. Street trees are rare in the surrounding area. Vegetation within private property boundaries contribute to the public streetscapes.

Legend

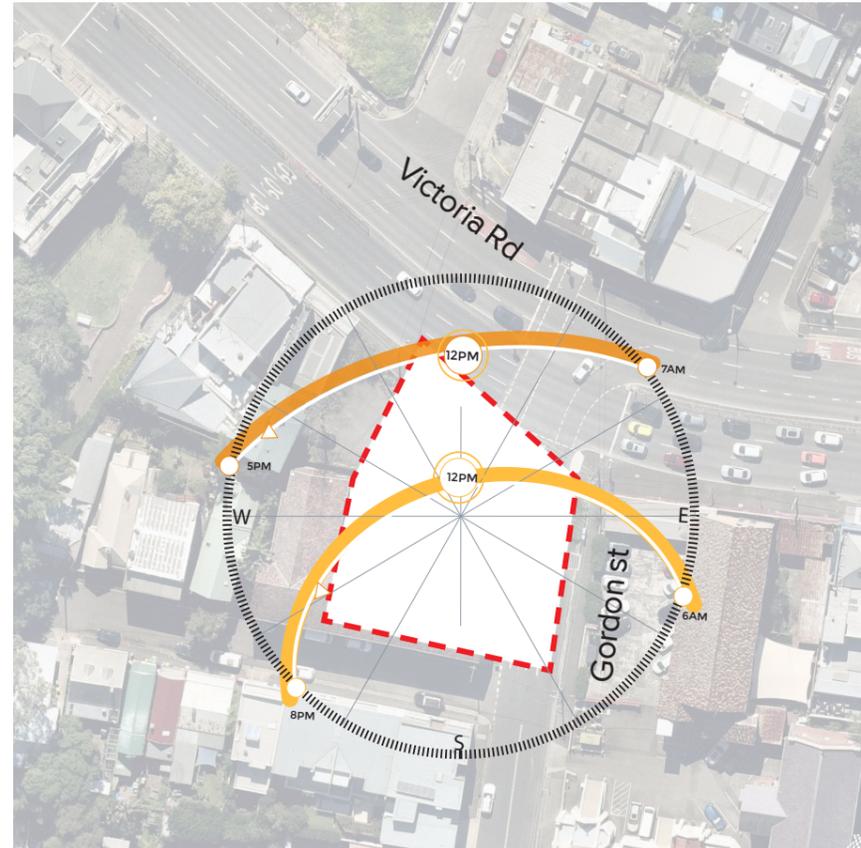
- Tree canopy
- Vegetated area
- Poor-condition specimens
- Site boundary



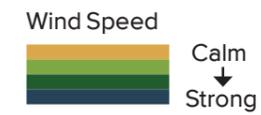
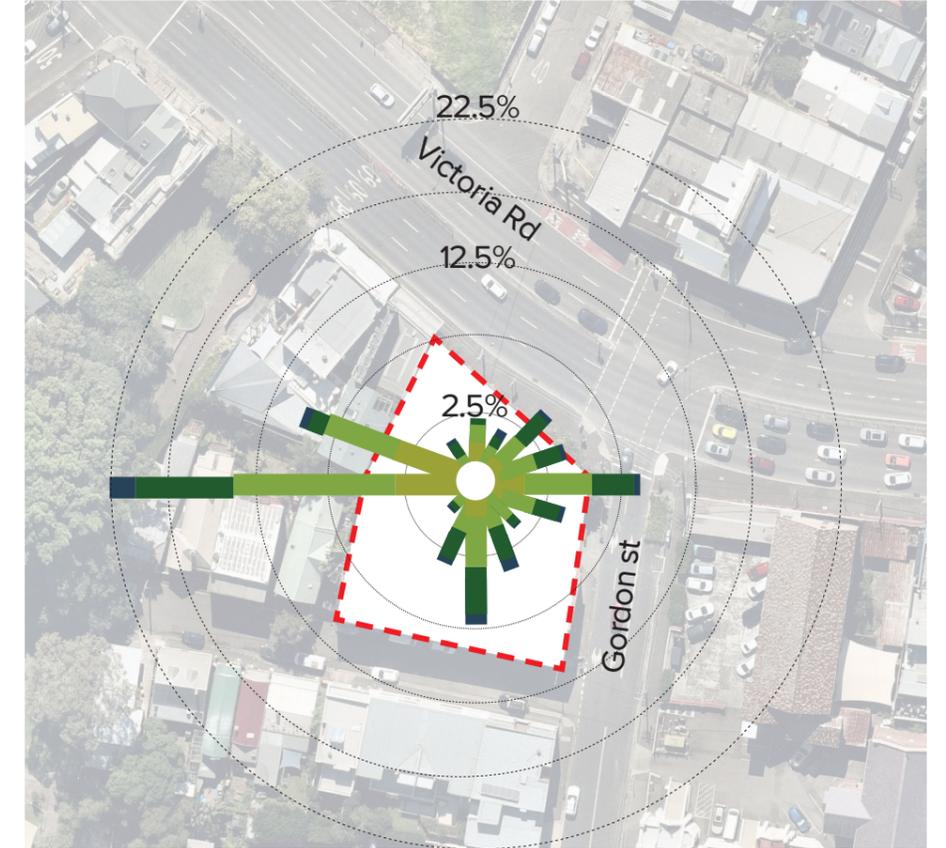
Site Analysis

The site is north facing and free from overshadowing from structures which allows substantial amount of solar access in the northern courtyard. The site is dominant by westerly and northern-westerly wind. The microclimate on site represents opportunities for passive cooling as well as the potentials requirements for protections from strong winds and sun.

Solar Access



Wind



Site Analysis

The site is bordered by Victoria Road, Gordon St and Prince St in the north, east and south. Victoria Road is a 6 lanes high-traffic main road while Gordon St is a one way street towards Victoria Road. Prince St is a no through road with street parking.

The west of the site is bordered by low profile residential and commercial buildings.

The existing pedestrian and vehicular entrance to the site is located on Gordon St. There is existing low brick walls on the northern boundary and a tall one in the west.

O'Connor Reserve is located to the west of the site. It was the site where the Evans Street Tram siding had occupied. It is currently a small neighbourhood park mainly used as a dog park and a children's playground.

Legend

- Pedestrian access
- Bike paths
- Pedestrian crossing
- Vehicular access-high traffic
- Vehicular access-medium traffic
- Vehicular access-low traffic
- Existing entrance
- Site Boundary
- Commercial uses
- Residential uses
- Educational and cultural uses
- Open space
- Brick walls
- Parkings

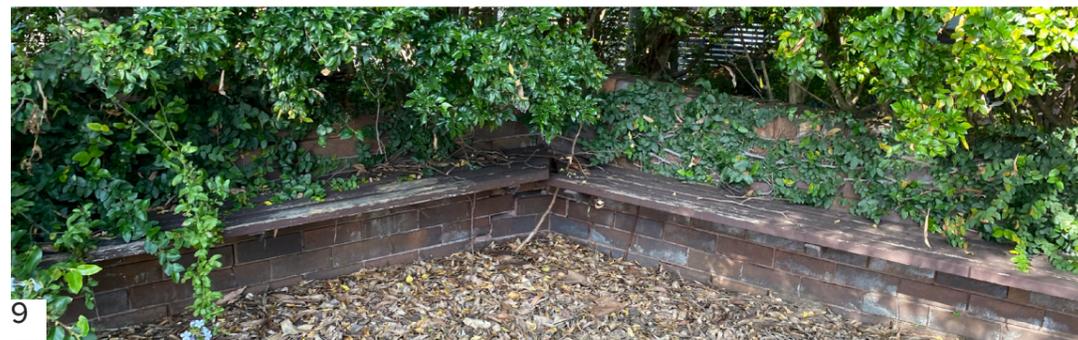
Edge Conditions and Uses



Circulation & Access



Site Character



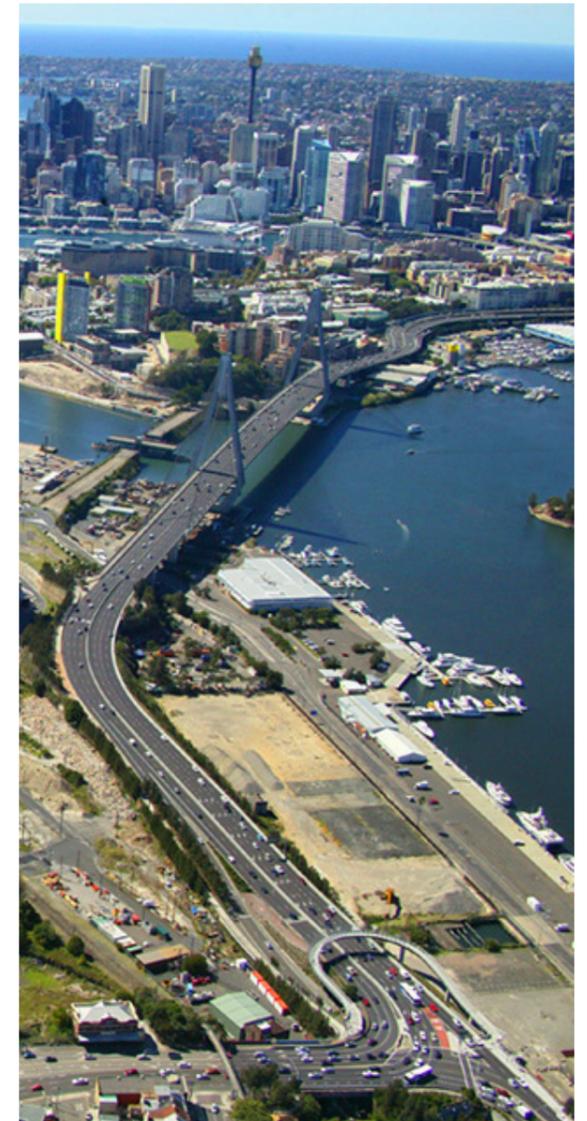
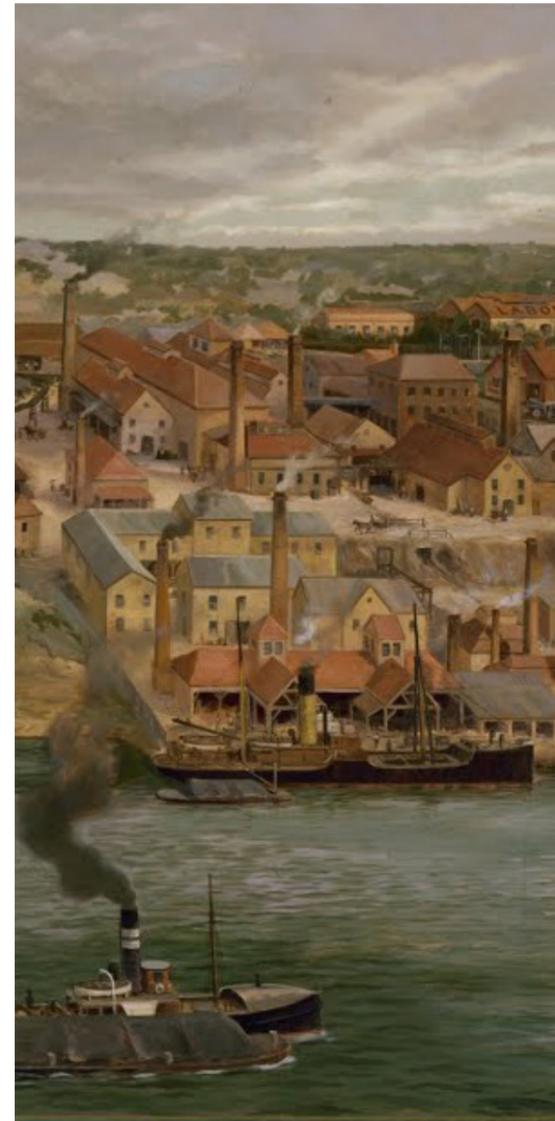
1. Low brick walls and shrubs along northern boundary on Victoria Rd
2. Low brick walls along eastern boundary on Gordon St
3. Concrete paved carpark
4. Shaded BBQ area in front of building with vegetation screening from carpark.
5. Existing entrance to the building with brick pavings.
6. Residential and commercial buildings on the western boundary, seperated from the site by a tall brick wall.
7. A low brick wall seperating the building entrance from the BBQ/seating area
8. Building facade on Gordon St
9. Existing benches under overgrown vegetation

Vision



Narratives

Design draws inspiration from local rich history to highlight the conflicts between industrialisation and natural system. The original organic shorelines in Rozelle and the fauna and flora including mangroves that habitated within have been mostly lost since the intense industrialisation and reclamation from the 1960s. The natural and industrial elements are integrated into the design in order to inform students about Rozelle's history and to provoke thinking and reflection on the challenges and imbalances between natural system and human activities nowadays.



Design Principles



EDUCATIONAL OPPORTUNITIES

- Create outdoor classroom spaces for group education and collaboration
- Create flexible breakout spaces for outdoor learning and reflection
- Integrate interpretive learning into the landscape elements.
- Create outdoor spaces for St Aloysius's co-curricular program



ENVIRONMENTAL CONCIIOUSNESS

- Revegetate original local ecological community that has been lost since industrialisation.
- Reduce visual and psychological impact from the high traffic flow by plantings and screenings.
- Improve thermal and physical comfort outdoor and indoor by creating shelter from heat and wind with plantings.
- Integrate environmental education into the landscape.

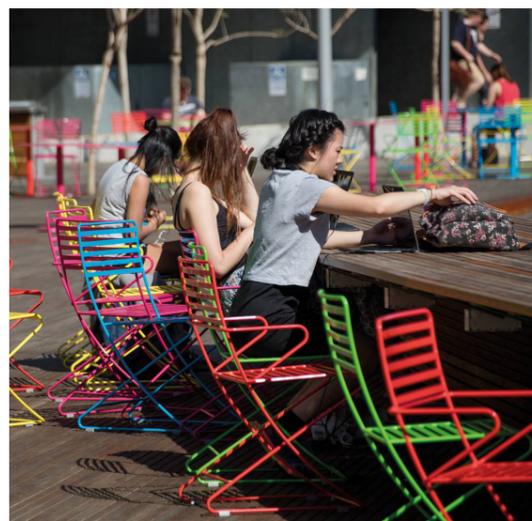
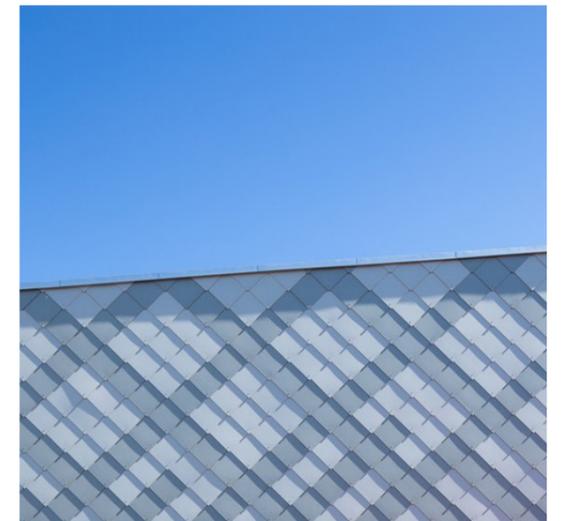
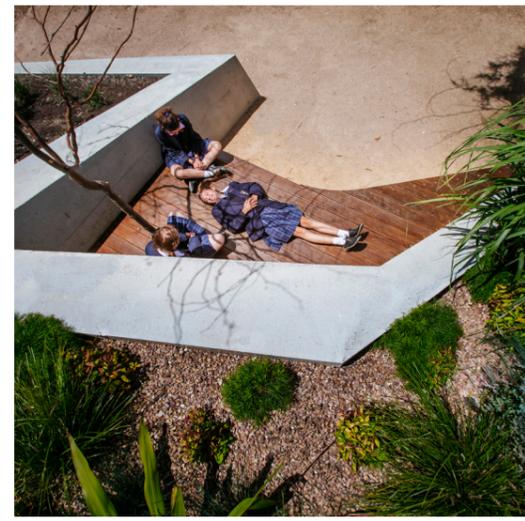
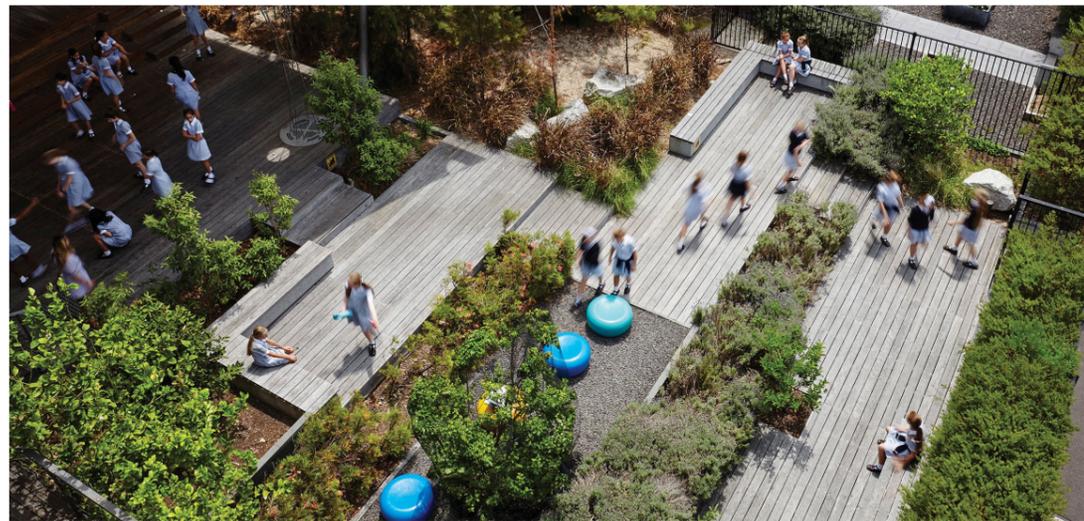


SOCIAL OPPORTUNITIES

- Create safe spaces for outdoor recreational activities.
- Provide sports and active recreation opportunities for
- Create spaces for students to socialise and enjoy lunch time and recess.
- Create an amphitheatre/ gathering point for groups and assemblies.

Precedents

Precedent imagery reveals a need for unique breakout spaces, gathering/assembly points, outdoor learning environments and active recreation providing opportunities for students' academic, social and physical development.





Landscape Concept

Landscape Masterplan

The design integrates organic forms to represent the pre-industrialised shorelines and ecologies in Rozelle, therefore creating an interesting contrast between the existing architecture. Design provides flexible and accessible spaces for multiple uses :

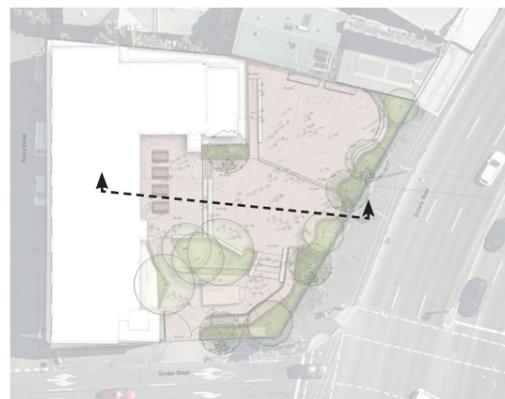
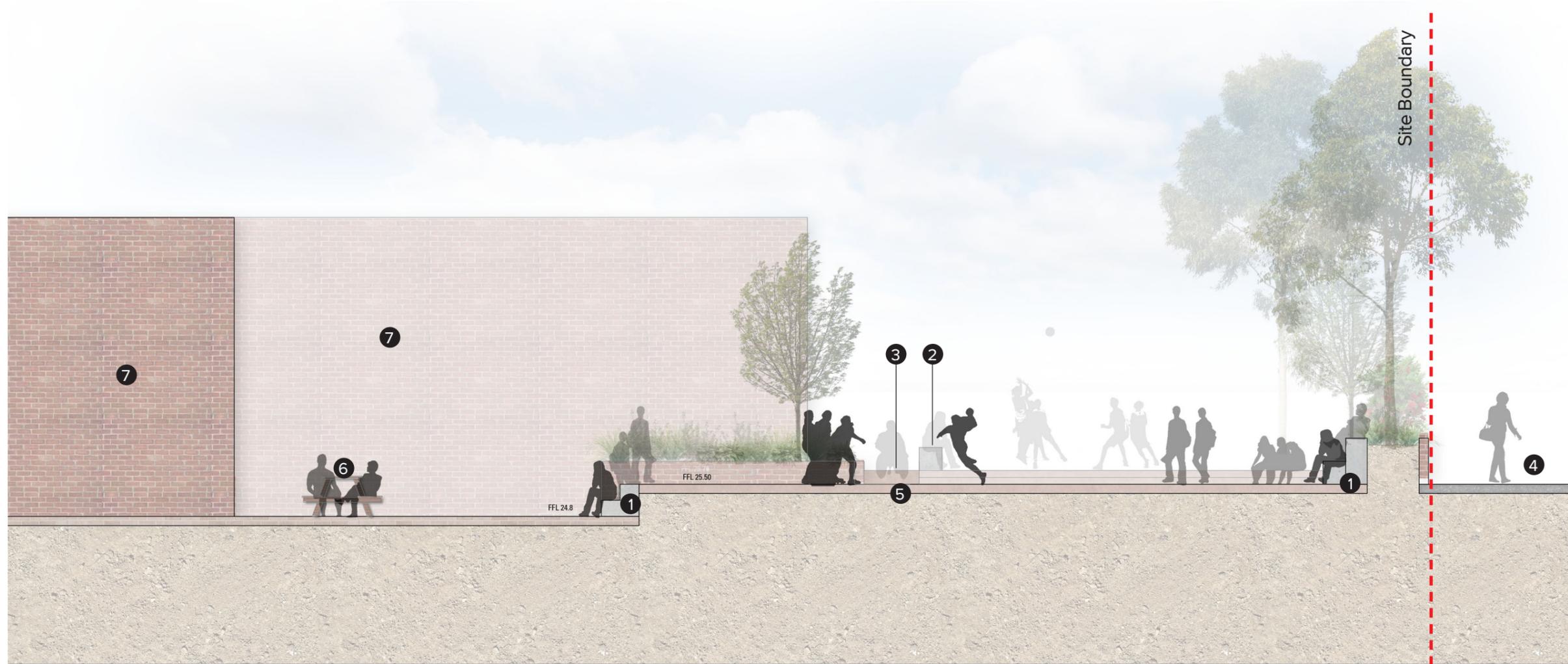
- outdoor classroom/group learning
- sports
- assembly/gathering spot
- breakout social and learning spaces
- seating for lunch break and recess

Legend

- 1 Terrace seating
- 2 Seating edge
- 3 Accessible ramp
- 4 Basketball Court
- 5 Handball Court
- 6 Storage Shed
- 7 Tables and chairs
- 8 School Entry
- 9 Building Entry Gate
- 10 Food truck opportunity
- 11 Bespoke Fence
- 12 Bike Racks



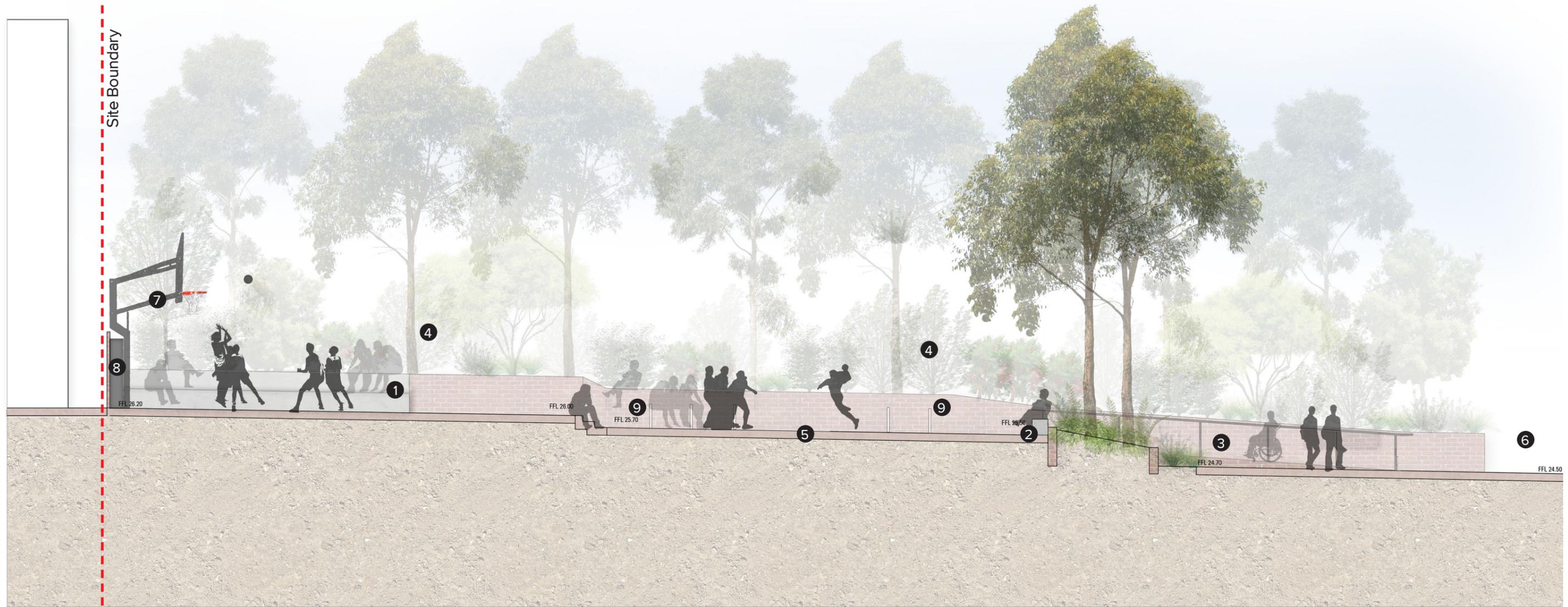
Section A



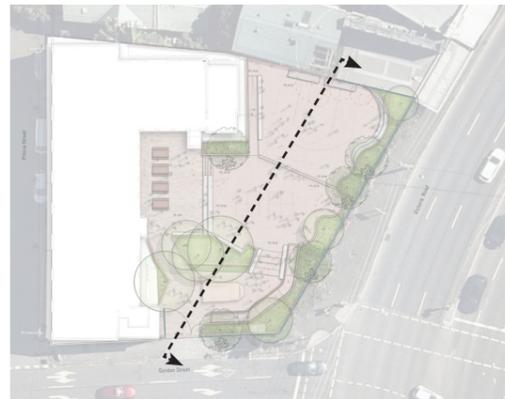
Legend

- ① Terrace seating
- ② Seating edge
- ③ Accessible ramp
- ④ Council footpath
- ⑤ Handball court
- ⑥ Outdoor table set
- ⑦ School building

Section B

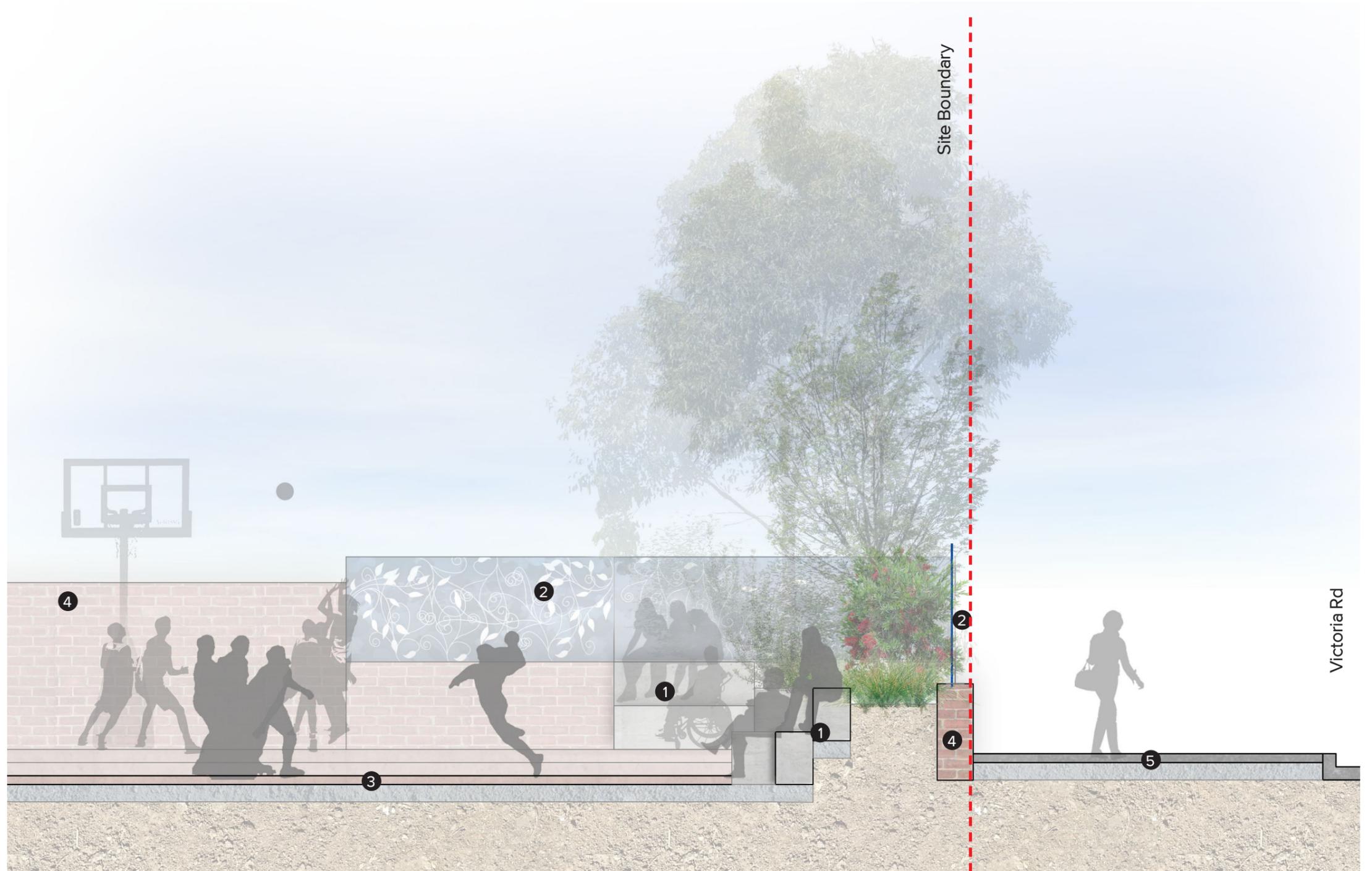
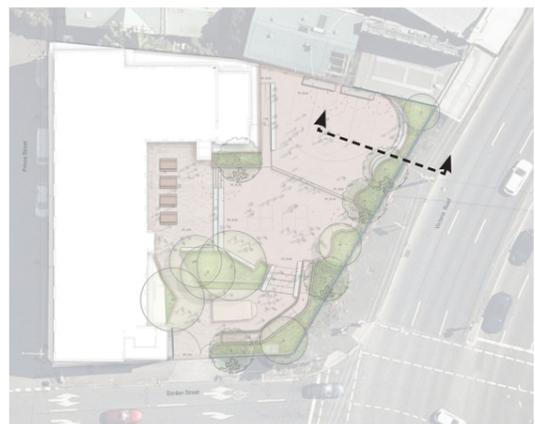
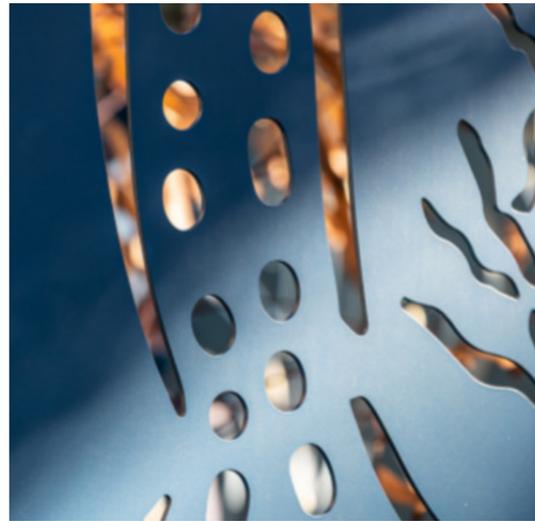


Legend



- ① Terrace seating
- ② Seating edge
- ③ Accessible ramp
- ④ Screening plants
- ⑤ Handball court
- ⑥ School Entry
- ⑦ Basketball court
- ⑧ Storage sheds
- ⑨ Bike racks

Fencing Strategy



Legend

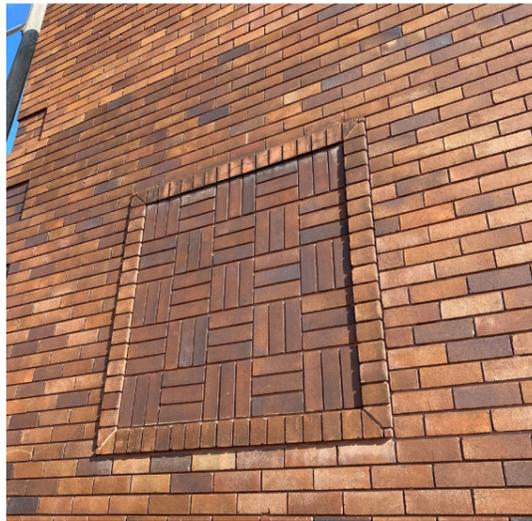
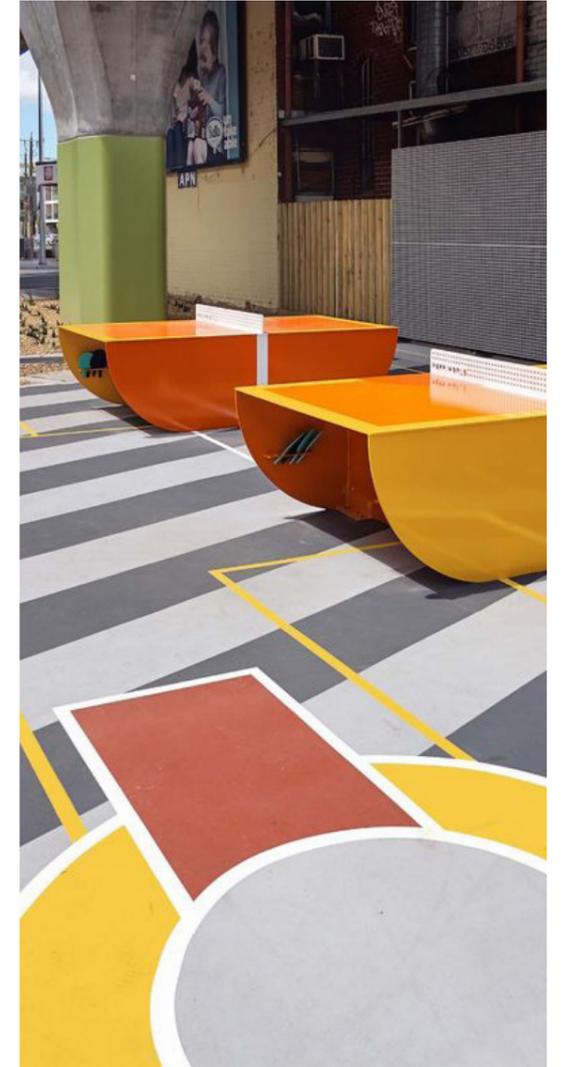
- ① Terrace seating
- ② Bespoke metal fence
- ③ Handball court
- ④ Existing brick wall
- ⑤ Council footpath

Victoria Road Elevation

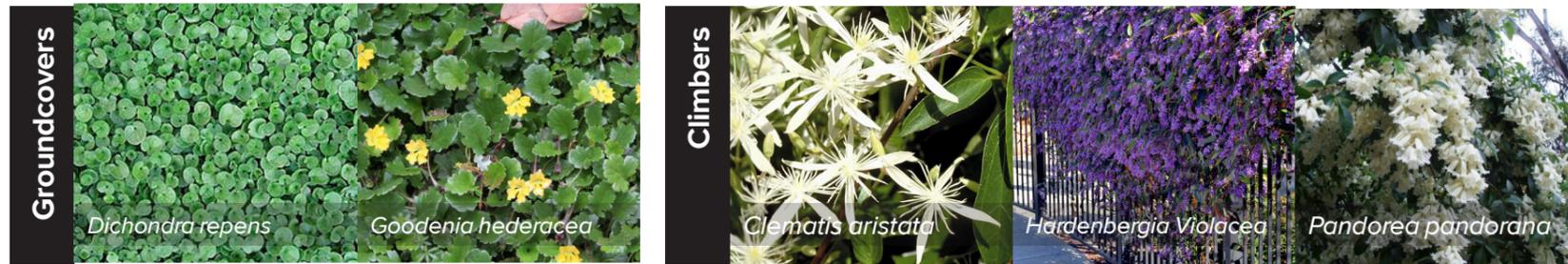


Note: Fence design is an indicative concept. Final artwork and details subject to design development.

Materiality



Planting Palette



St Aloysius Rozelle

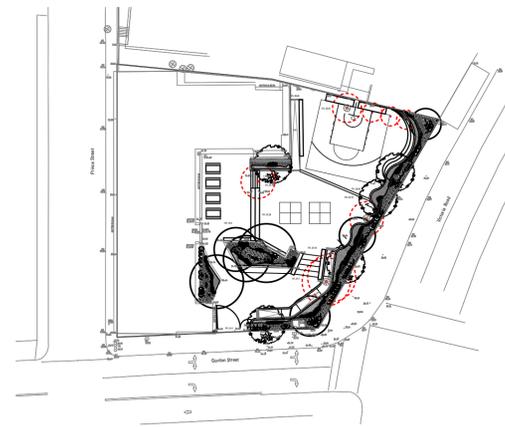
48 Victoria Road Rozelle NSW

DRAWING SCHEDULE

DRAWING NO.	DRAWING TITLE
000	COVER SHEET
101	LANDSCAPE MASTERPLAN
102	SOFTWORKS PLAN

KEY PLAN

SCALE: 1:500@A1



PLANTING SCHEDULE

21-746 ST ALOYSIUS' COLLEGE - ROZELLE PLANT SCHEDULE					
CODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	QUANTITY
TREES & PALMS					
Ac	<i>Angophora costata</i>	Smooth-Barked Apple	20 x 10	100L	1
Ero	<i>Eucalyptus robusta</i>	Swamp Mahogany	20 x 10	100L	3
Me	<i>Melaleuca decora</i>	White Feather Honeymyrtle	6 x 4	100L	1
SHRUBS & ACCENTS					
Am	<i>Acacia myrtifolia</i>	Myrtle Wattle	3 x 3	45L	90
Bs	<i>Bursaria spinosa</i>	Native Blackthorn	4 x 3	45L	75
Ia	<i>Indigofera australis</i>	Austral Indigo	2 x 3	45L	25
Ka	<i>Kunzea ambigua</i>	Tick Bush	5 x 3	45L	5
GRASSES & RUSHES					
Dc	<i>Dianella caerulea</i>	Flax Lily	0.5 x 0.5	150mm	45
Lf	<i>Lomandra filiformis</i>	Wattle Mat-rush	0.5 x 0.2	150mm	60
Li	<i>Lomandra longifolia</i>	Spiny Headed Mat Rush	1 x 1	150mm	210
Ta	<i>Themeda australis</i>	Kangaroo Grass	1 x 1	150mm	87
Wg	<i>Wahlenbergia gracilis</i>		0.8 x 0.5	150mm	145
FERNS & CYCADS					
Bc	<i>Blechnum cartilagineum</i>	Soft Water Fern	1.5 x 1.5	300mm	25
Cd	<i>Calochlaena dubia</i>	False Bracken Fern	1.2 x 1.2	150mm	8
GROUND COVERS & CLIMBERS					
Dr	<i>Dichondra repens</i>	Kidney Weed	0.2 x spreading	150mm	32
Ca	<i>Clematis aristata</i>	Old Man's Beard	0.2 x 3	150mm	60
Gh	<i>Goodenia hederacea</i>	Ivy Goodenia	0.25 x 2	150mm	55
Hv	<i>Hardenbergia violacea</i>	False Sarsaparilla	0.25 x spreading	150mm	40
Pp	<i>Pandorea pandorana</i>	Wonga Wonga Vine	0.25 x spreading	150mm	40

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