

Northside Private Hospital

Gosford, NSW

SSDA LANDSCAPE DESIGN REPORT
FEBRUARY 2021

ARCADIA



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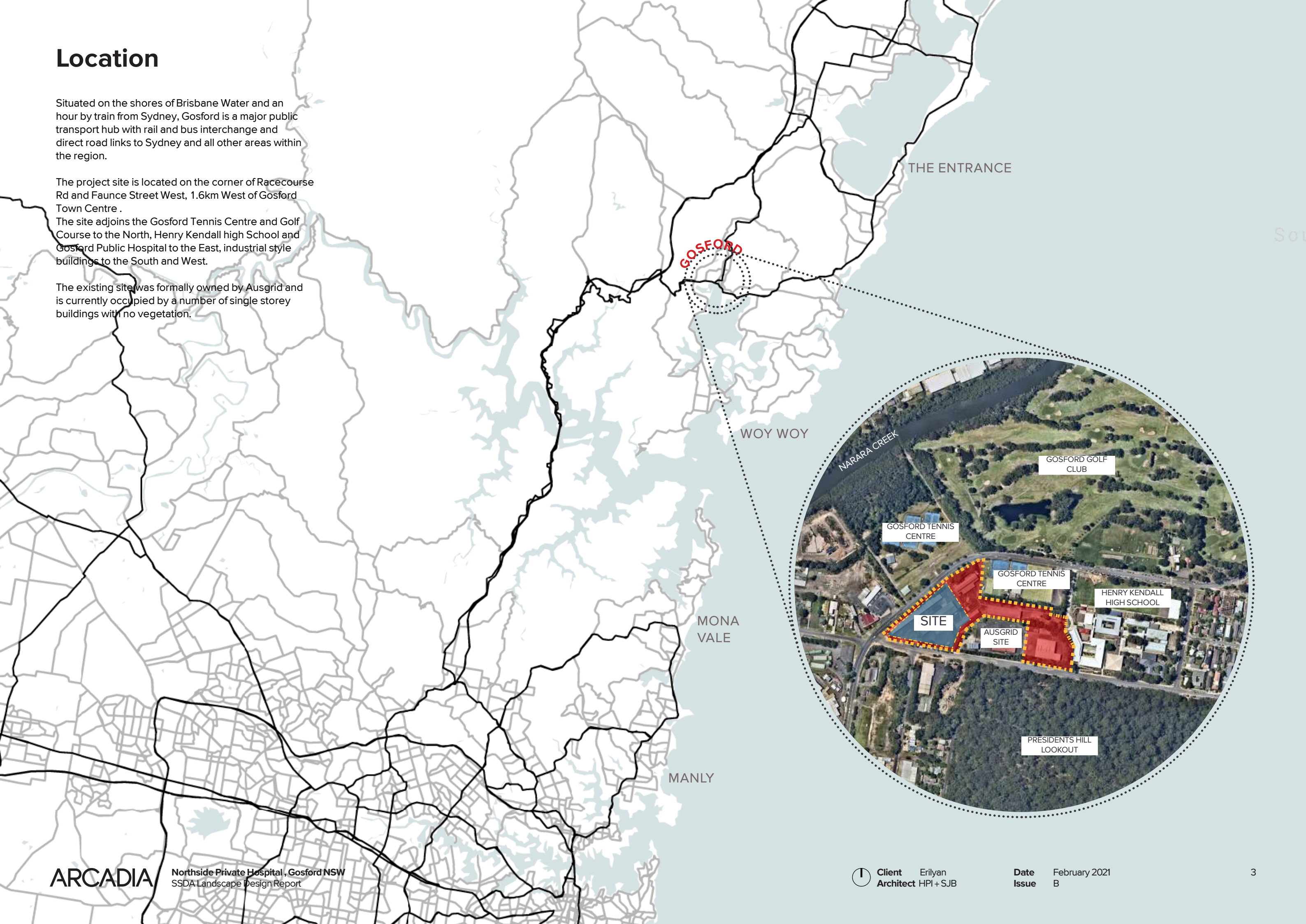
Location

Situated on the shores of Brisbane Water and an hour by train from Sydney, Gosford is a major public transport hub with rail and bus interchange and direct road links to Sydney and all other areas within the region.

The project site is located on the corner of Racecourse Rd and Faunce Street West, 1.6km West of Gosford Town Centre .

The site adjoins the Gosford Tennis Centre and Golf Course to the North, Henry Kendall high School and Gosford Public Hospital to the East, industrial style buildings to the South and West.

The existing site was formally owned by Ausgrid and is currently occupied by a number of single storey buildings with no vegetation.

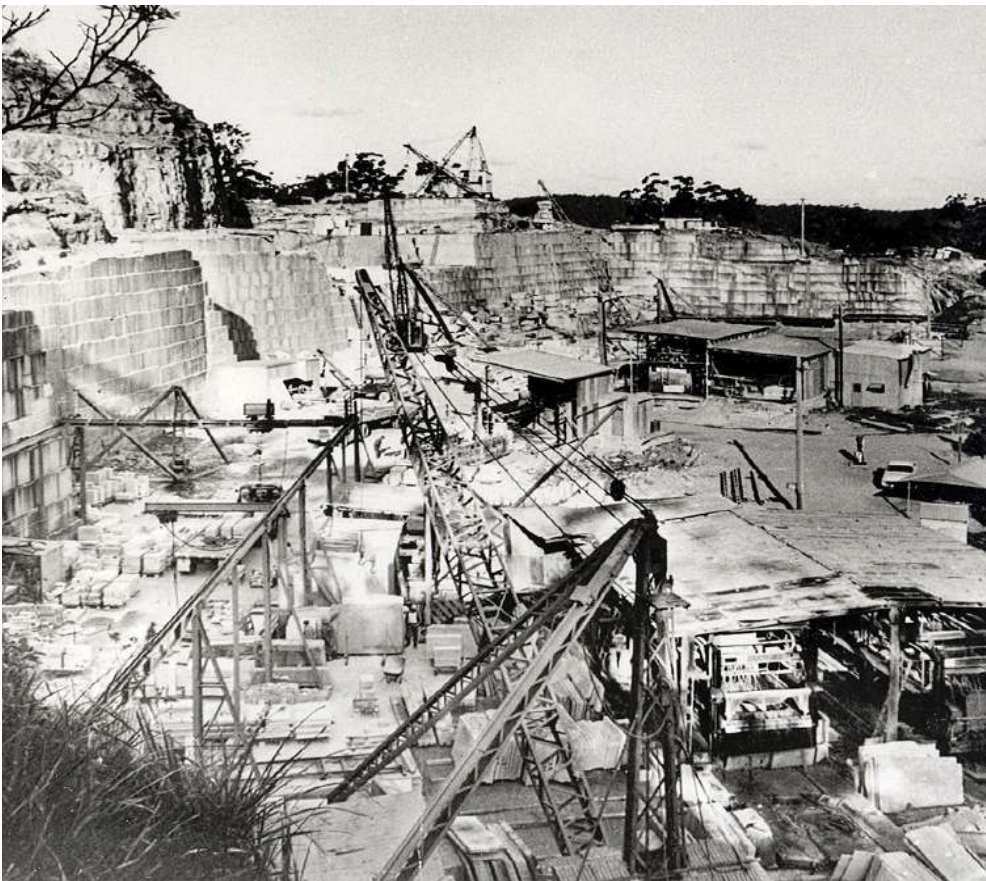


History + Heritage

The area surrounding Gosford belongs to the Darkinjung people of the Guringai Nation. An abundance of resources were available to the people of the Guringai Nation. An area of high rainfall, diet consisted predominately of seafood found within the many rivers and estuaries, and bushtucker harvested from the verdant bushland in the hinterland. Trade with other tribal groups within the Guringai was well established also, assisting with the development of a rich society with strong connections to the land.

Gosford was first explored by Governor Phillip in 1788, with European occupation beginning in 1823. The area surrounding Gosford was not settled until this time because of the rugged characteristic of the landscape, making it hard to navigate and understand.

Rich soils provided for a strong agricultural market, allowing for Gosford to continue to grow until in 1885 it was proclaimed a town. In 1887, the rail link to Sydney was complete - further accelerating the rapid development of the region. As Gosford continued development, reliance on agriculture declined, and holiday and service industries became the dominant market form.



Landscape Context

Strickland State Forest is situated to the north west of Gosford and the site. The forest displays exceptionally diverse habitats including; heath woodland, dry grassland, wildflowers, eucalypt forests and lush rainforest's. Walking tracks are set up throughout the forest, showcasing these unique and diverse ecosystems. It is considered a unique ecotourism destination for travelers from across NSW.

The forest was originally home to the first government nursery in NSW as well as the site for the first national forestry training school. As a result of this, remnants of exotic and native trees area still present in the site which are now among the oldest in Australia and can be seen whilst walking the Arboretum' track. There are examples of Hoop Pines, Tallow Wood, Red Cedars and Bunya Pines still present within the forest.

Brisbane Water National Park and Narara Creek also contains a range of unique landscape offering as well as spots to picnic, cycle and fish. As well as this it also contains important ancient Aboriginal rock carvings across a number of sites. The scared site is known as Bulgandry Art Site.

Presidents Hill lookout provides panoramic views of these natural features, located entirely within a large rectangular zone of remnant bushland. The remnant bushland on the hills and slopes around Gosford City is predominatly Narrabeen Coastal Blackbutt Forests which are dominated by *Eucalyptus pilularis*, *Syncarpia glomulifer* and *Allocasuarina torulosa*



Bellbird Trail



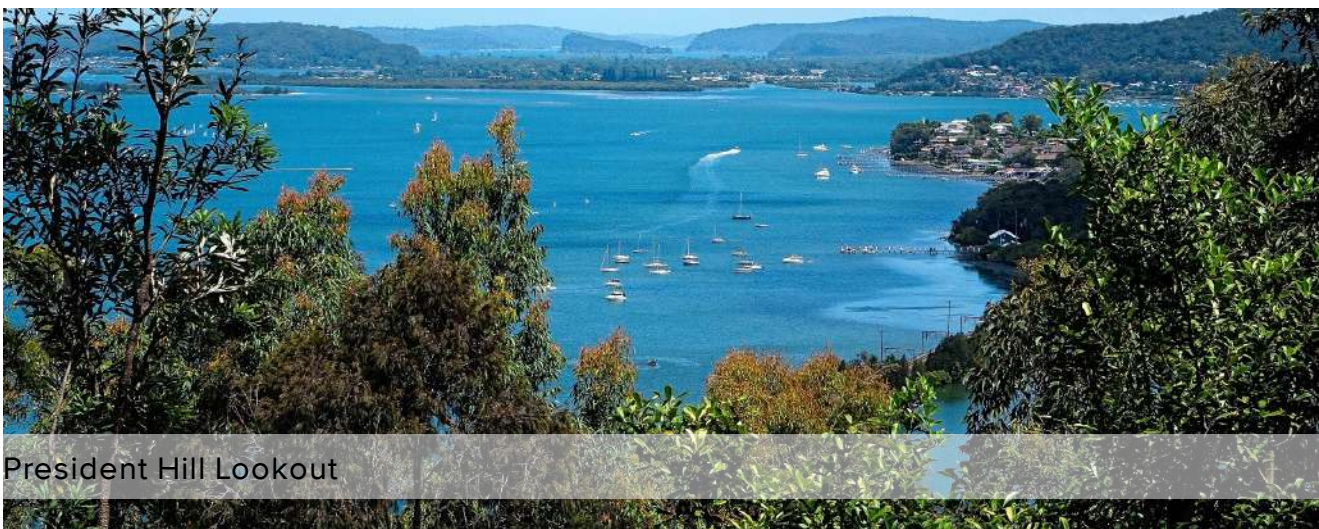
Arbortem Track



Patonga to Pearl Beach Track



Bulgandry Site



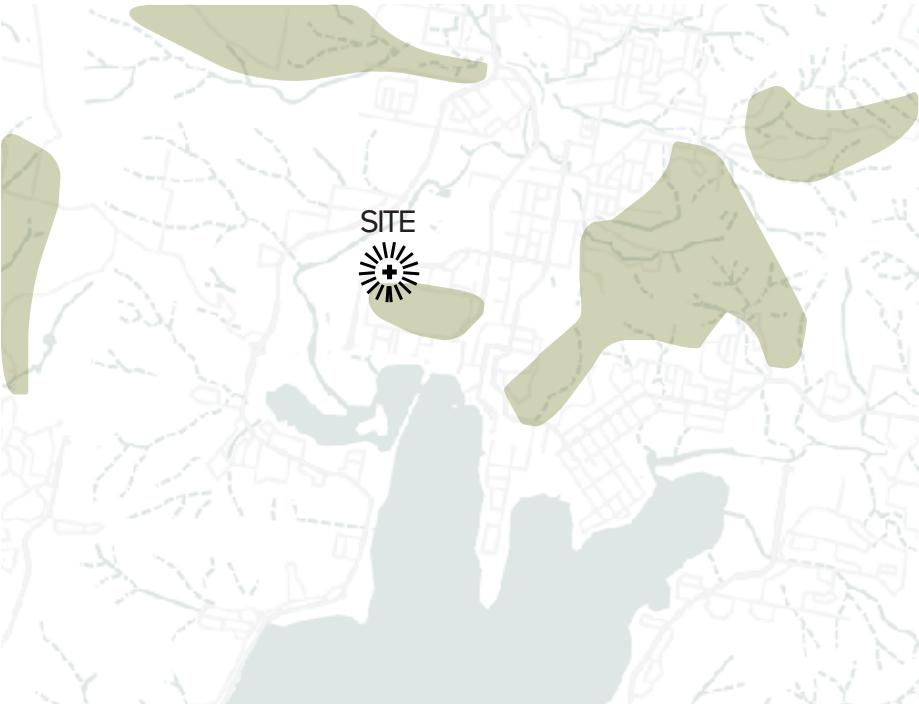
President Hill Lookout

Local Ecologies

Narrabeen Coastal Blackbutt Forest



Narrabeen Coastal Blackbutt Forest occurs on the Erina soil landscape on the hills and slopes around Gosford City and east, and down the Bouddi Peninsula. Vegetation here is clearly dominated by Blackbutt (*Eucalyptus pilularis*), *Syncarpia glomulifera* subsp. *glomulifera*, and *Allocasuarina torulosa* in the canopy, over a shrubby understorey of *Acacia longifolia*, *Duboisia myoporoides*, *Leucopogon margarodes*, *Gompholobium latifolium*, *Bossiaea obcordata*, *Hibbertia aspera*, *Lomandra obliqua*, *Xanthorrhoea macronema*, and *Pteridium esculentum*.



Swamp Mahogany Paperbark Forest



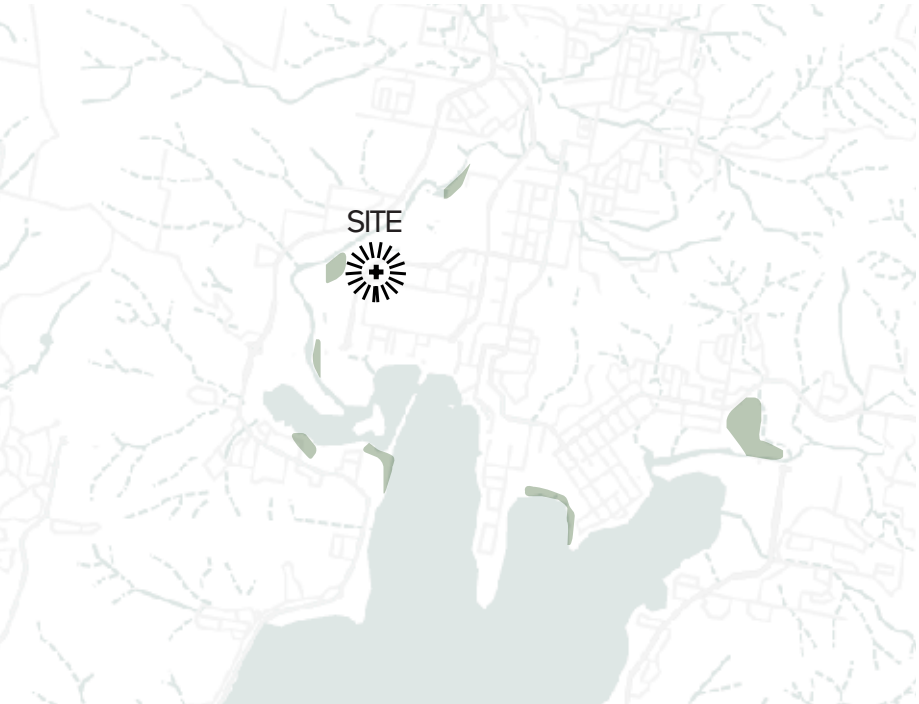
Swamp Mahogany-Paperbark Forest is typified by the presence of *Eucalyptus robusta* in the canopy, and may occur with a range of associates including *Melaleuca linariifolia*, *Melaleuca sieberi*, *Melaleuca styphelioides*, *Eucalyptus resinifera*, *Eucalyptus tereticornis*, and *Angophora floribunda*. The under-storey is variable, often with a dense shrub layer of species such as *Acacia longifolia*, *Omalanthus nutans*, and *Pultenaea villosa*, and the sedge *Gahnia clarkei*.



Estuarine Swamp Oak Forest



Estuarine Swamp Oak Forest occurs adjacent to tidal estuaries in slightly higher ground than the nearby mangroverelated vegetation types. Swamp Oak (*Casuarina glauca*) clearly dominates this community, with an understorey of sedges and rushes such as *Juncus kraussii* subsp. *australiensis* and *Baumea juncea*, and the herb *Apium prostratum*.



Site Analysis

Connection + Circulation



- PRIMARY VEHICULAR CONNECTION
- SECONDARY VEHICULAR CONNECTION
- PEDESTRIAN CONNECTIONS
- RAILWAY LINE
- T TRAIN STATION
- SITE ACCESS
- B BUS STOP
- H HELICOPTER PAD

Solar access + Wind



- PREVAILING WINDS
- SUMMER SUN PATH
- WINTER SUN PATH

Site Analysis

Vegetation + Natural Systems



- RIPARIAN CORRIDOR
- REMNANT BUSHLAND
- MAN MADE / DISTURBED
- EXISTING SURROUNDING TREES

Zoning



- B4 MIXED USE
- SP2 INFRASTRUCTURE
- RE1 PUBLIC RECREATION
- R1 GENERAL RESIDENTIAL
- B6 ENTERPRISE CORRIDOR
- B3 COMMERCIAL CORE

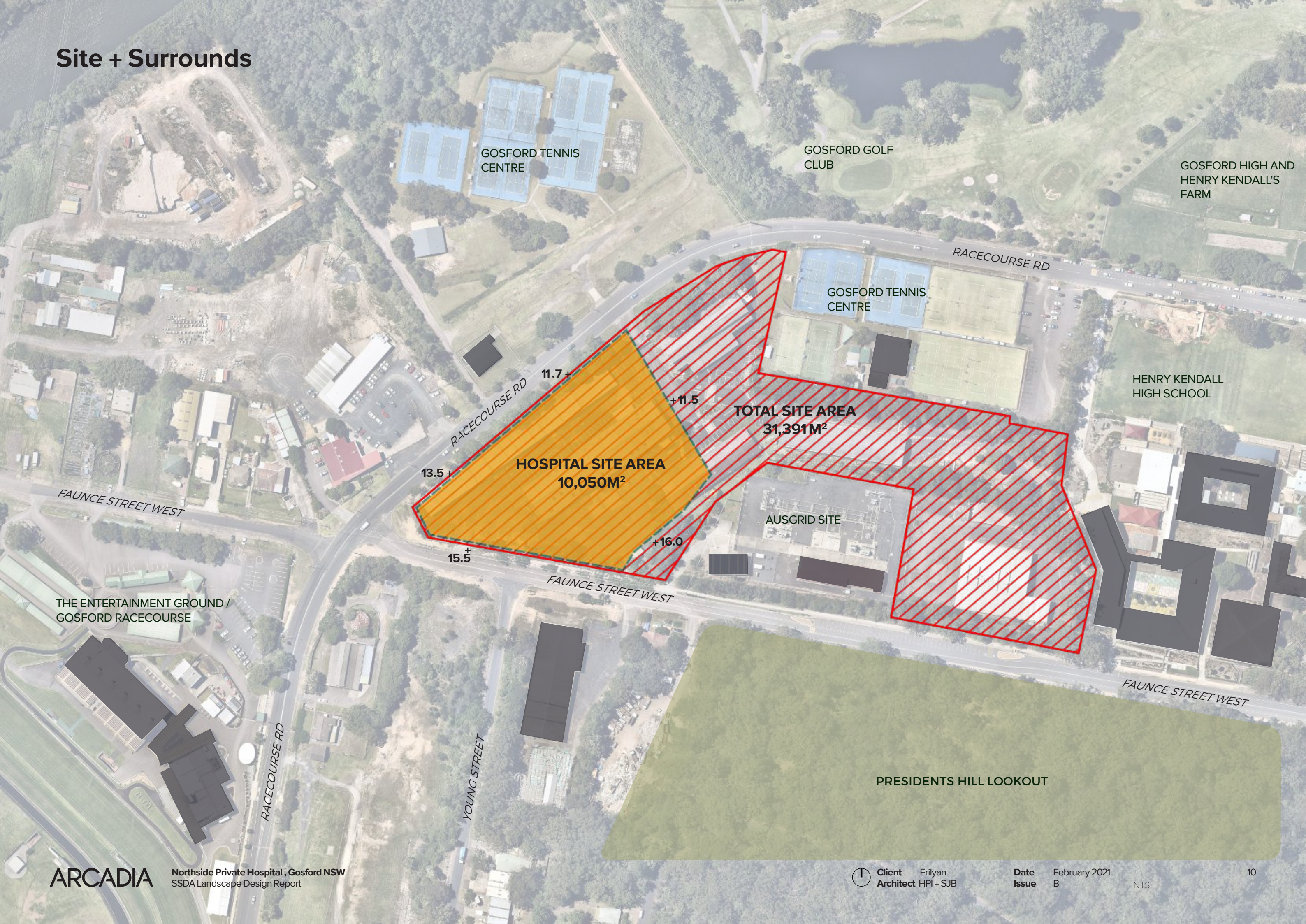
Site Analysis

Existing trees

*Note: numbers on trees refer to species

- 1 Glochidion ferdinandii (Cheese Tree)
- 2 Agonis flexuosa (Willow Myrtle)
- 3 Acacia decurrens (Black Wattle)
- 4 Eucalyptus pilularis (Blackbutt)
- 5 Lopostemon confertus (Brushbox)
- 6 Pittosporum undulatum (Sweet Pittosporum)
- 7 Melaleuca armillaris (Honey Myrtle)
- 8 Cotoneaster lacteus (Cotoneaster)
- 9 Cuppresus macrocarpa (Golden Cypress)
- 10 Acmena smithii (Lilly Pilly)
- 11 Cupressus torulosa (Bhutan Cypress)
- 12 Banksia integrifolia (Coast Banksia)
- 13 Waterhousea floribunda (Weeping Lilly Pilly)
- 14 Casuarina glauca (Swamp She-oak)
- 15 Melaleuca bracteata (Black Tea Tree)
- 16 Callisemon viminalis (Weeping Bottlebrush)
- To Be Removed

Site + Surrounds



Landscape Design Intent

The Landscape approach appreciates the importance of incorporating the unique water, bushland and city environments of Gosford in order to create a design which successfully aligns with these components...

The landscape will draw reference on the existing bushland and surrounding ecologies in order to work cohesively and soften the built form.

The site setting and landscape design will focus on the experiences the user will encounter in the 'healing landscape' of the site.

The surrounding and site specific ecological communities will be represented throughout the various landscape spaces immersing the user into a variety of therapeutic natural and social settings within the site depending on their elevation and aspect.



Surrounding Ecological Influences

Connecting Ecologies

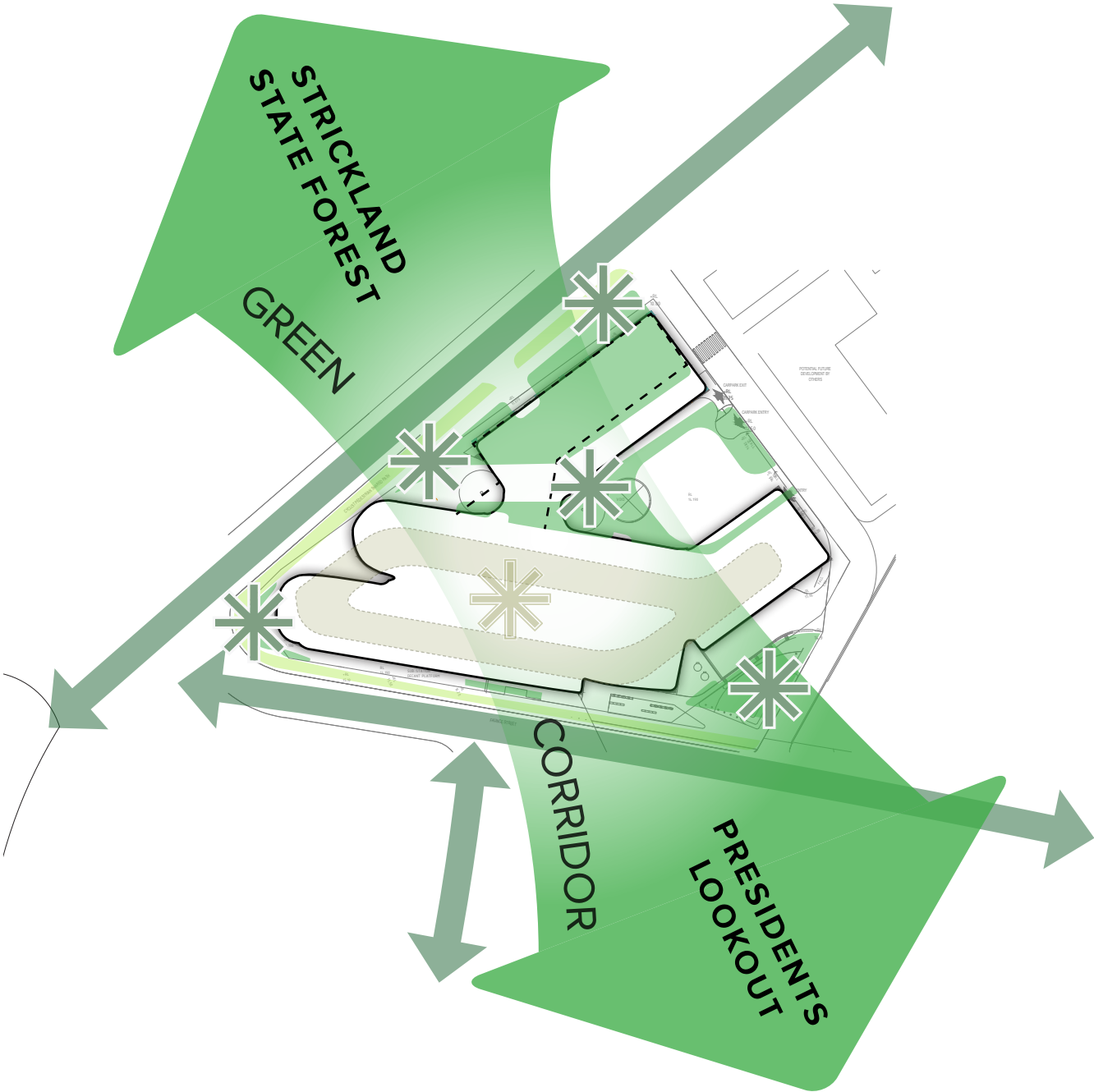
From a landscape perspective it is important to connect the site to the existing surrounding ecological communities.

The narrative and conceptual layers for the design of this site are taken from the influence of these surrounding environments as it is a direction site connection responding to the specific site context of Gosford.

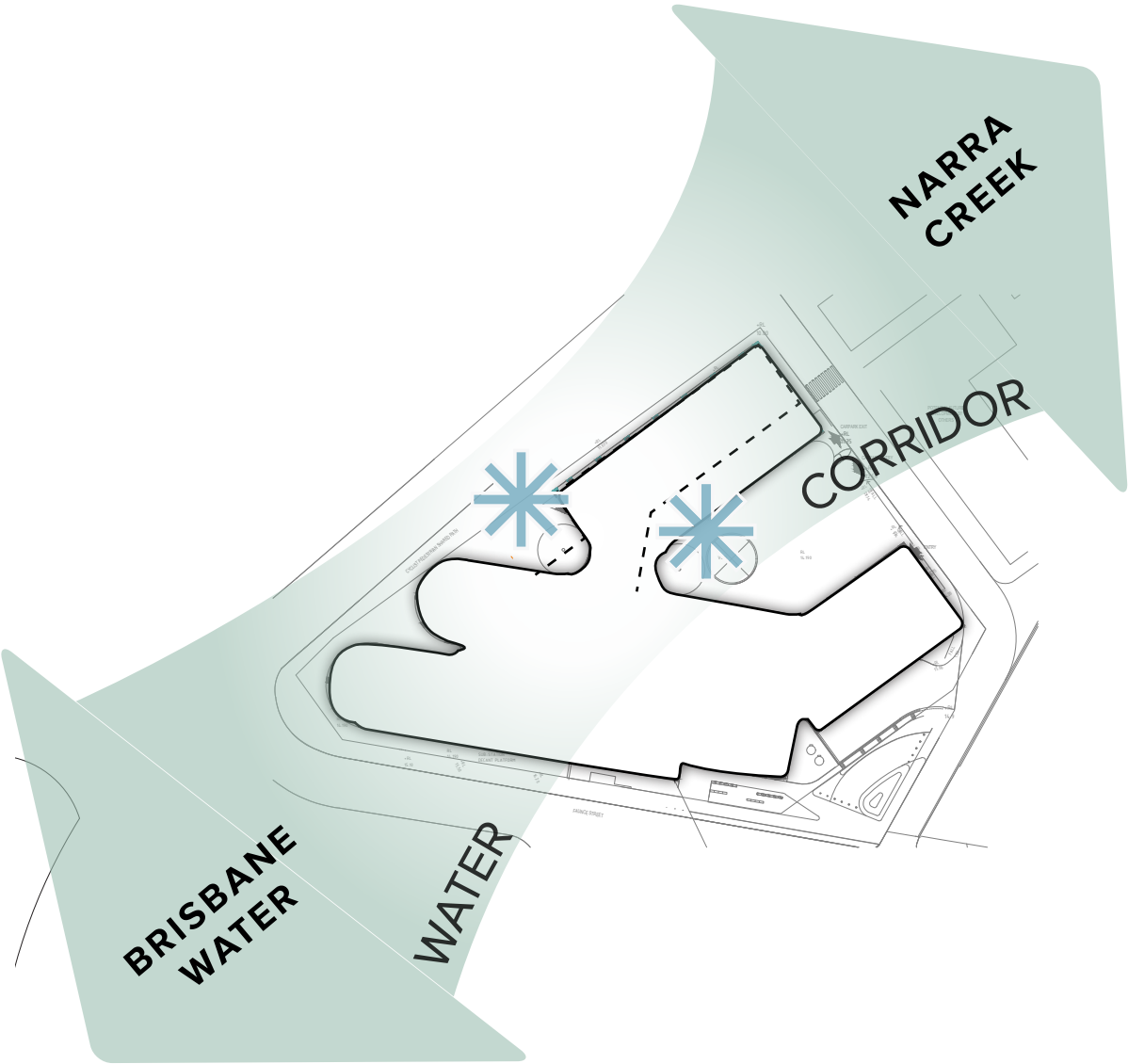


Site Concept

Green Corridor

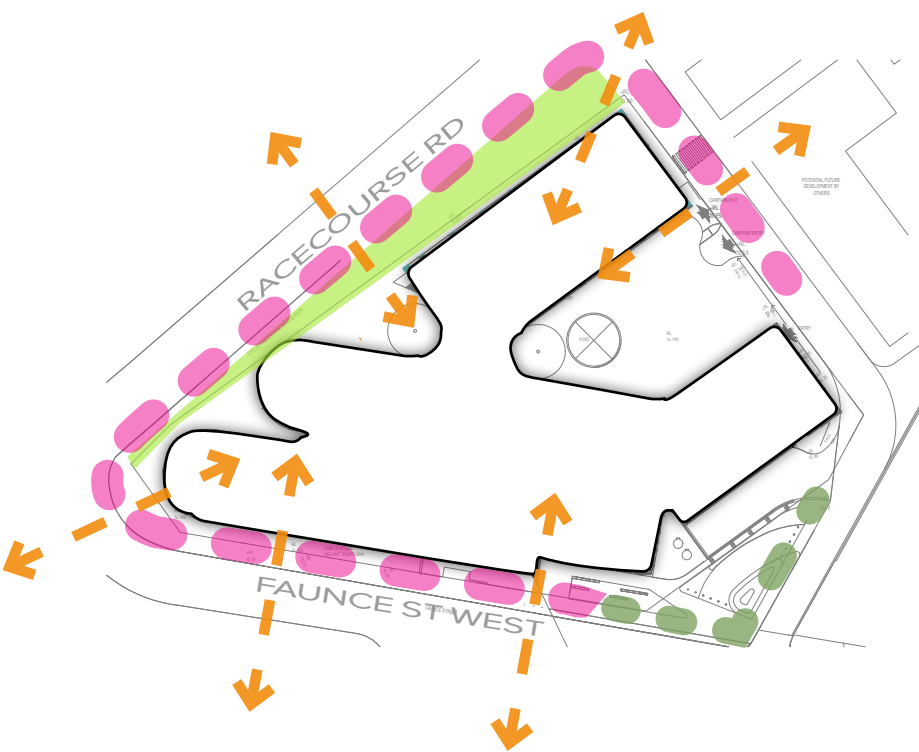


Water Corridor



Design Principles

Street Connectivity and Amenity



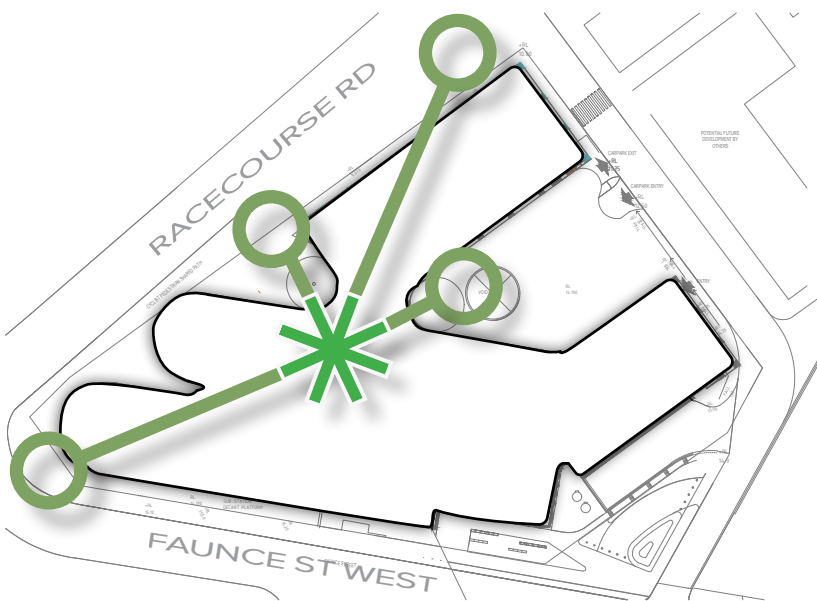
Landscaped terraces are provided along Racecourse Road to provide identity, address, and green visual amenity while accommodating changes in site levels from the arrival plaza to the street level.

Integrated steps and an accessible ramp are provided at points along the terraced edge to the hospital to enhance permeability, while offering opportunities for informal activity.

Protective planting is provided at the southern boundary, providing visual and acoustic protection between Faunce Street, loading areas, and gardens.

Existing trees to Racecourse Road are preserved to retain the existing character of the site and provide amenity from day one.

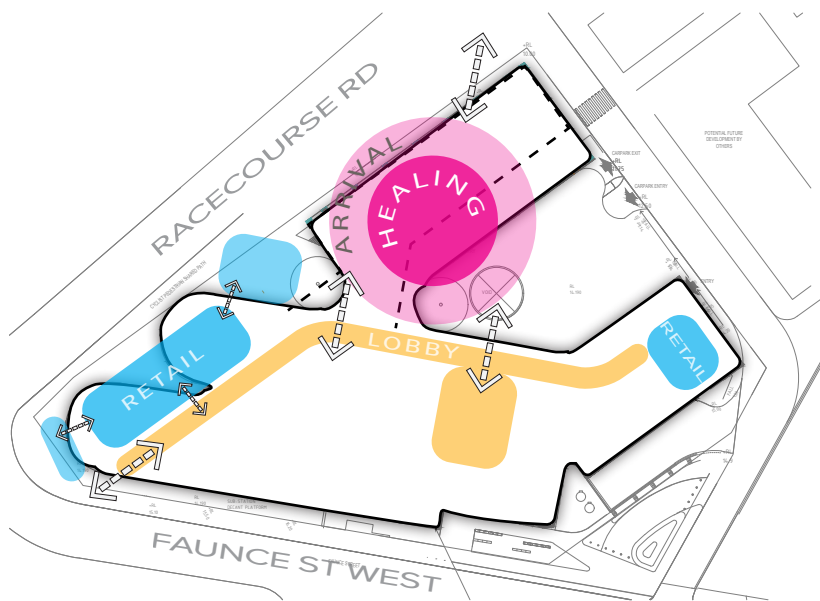
Landscape as Identity and Connector



Arrival plazas act as anchors to the core of the campus. The inclusion of water features, planters, and feature trees reinforce the green identity and arrival experience to the campus.

Arrival plazas connect to the primary internal access corridor, with provision of outdoor seating encouraging activity between ground floor retail and lobby areas of the hospital and the gardens.

Integrated Program



The Arrival plaza is centered on a wellness garden with varied refuge spaces created for patient and public use. Vehicular drop off areas are paved and treated as pedestrian priority zones, enhancing pedestrian amenity and calming traffic.

The western edge of the hospital has a retail street level address with an interface to connect internal and external amenity.

Breakout cafe spaces have been located to capture this and utilise high levels of foot traffic along Racecourse Road.

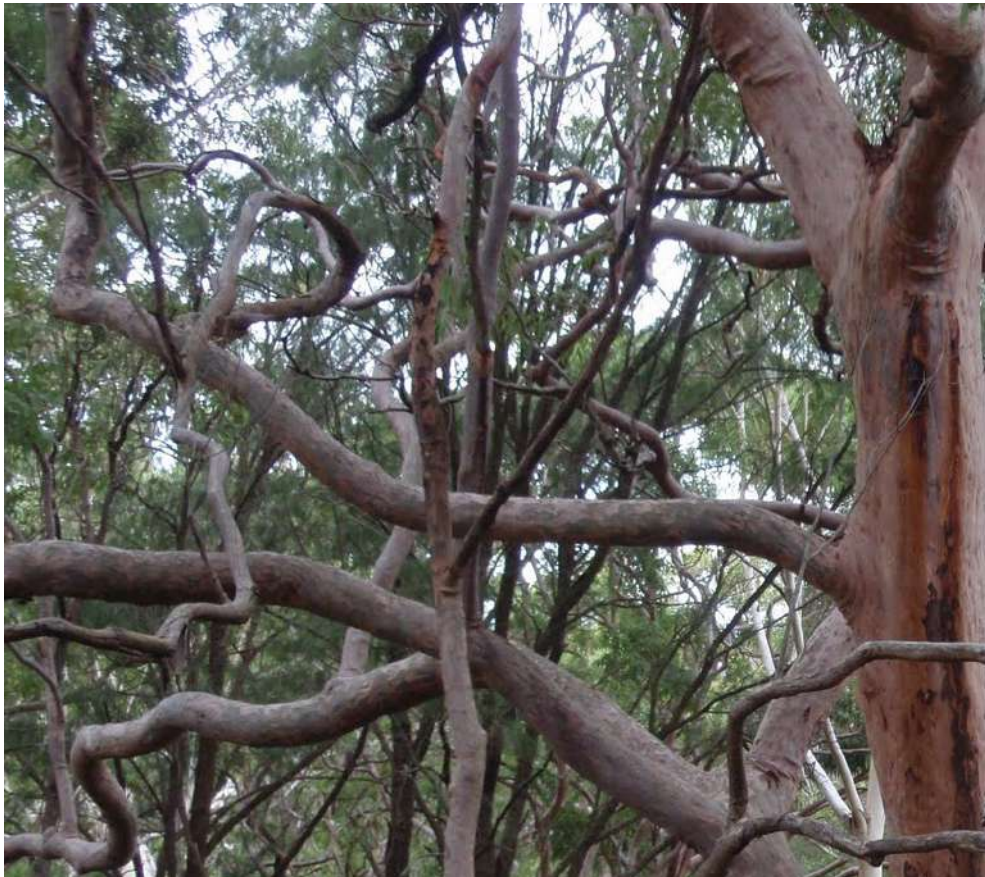
Design Drivers

Water Movement



- Fluidity
- Natural and calm patterns that change constantly
- Tranquil in physical form, or abstracted through with movement through space

Local Vegetation



- Vertical form
- Ability to traverse multiple levels and soften the built form
- Connector of the Green Corridor
- Provides Green outlook for Patients / Users of the space

Escarpment



- Areas of respite
- Terraced Landscape
- Sense of Enclosure and Privacy
- Outlook to the landscape beyond

Design Strategies

Green Address



Landsaped terraces provide identity, address, and green visual amenity, while offering opportunities for informal activity.

Terrace forms follow regular geometries, reflecting those of Racecourse Road and surrounding areas.

Scaled Spaces



Entry plazas are designed to facilitate pedestrian and vehicular movement through the campus, while landscaped 'room's comprised of planters, water features, and seating elements allow for smaller-scale and insular gatherings.

Planters with integrated seating follow a more organic structure, providing a greater variety of spaces and enhancing movement, while reflecting the overall building form.

Integrated Public Art



Public art shall be actively integrated and play a functional role in providing shelter, areas for play, and the like across the campus. Strategies can incorporate local character and history.

Green Outlook



Ground level gardens provide strong visual amenity and identity to users viewing from upper floors.

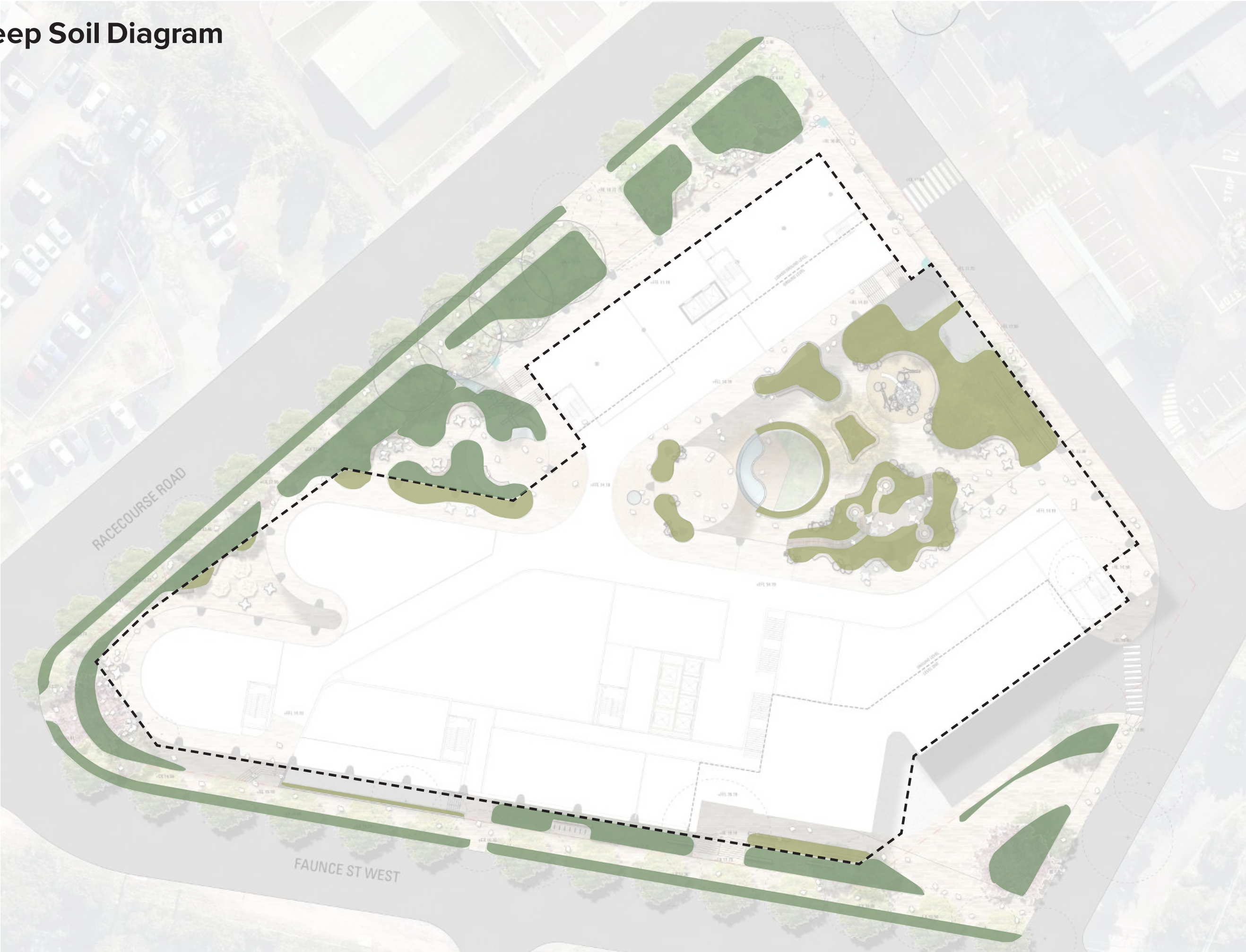
The formal and organic nature of the ground plane read together in a visually delightful composition.

Stage 2 - Deep Soil Diagram

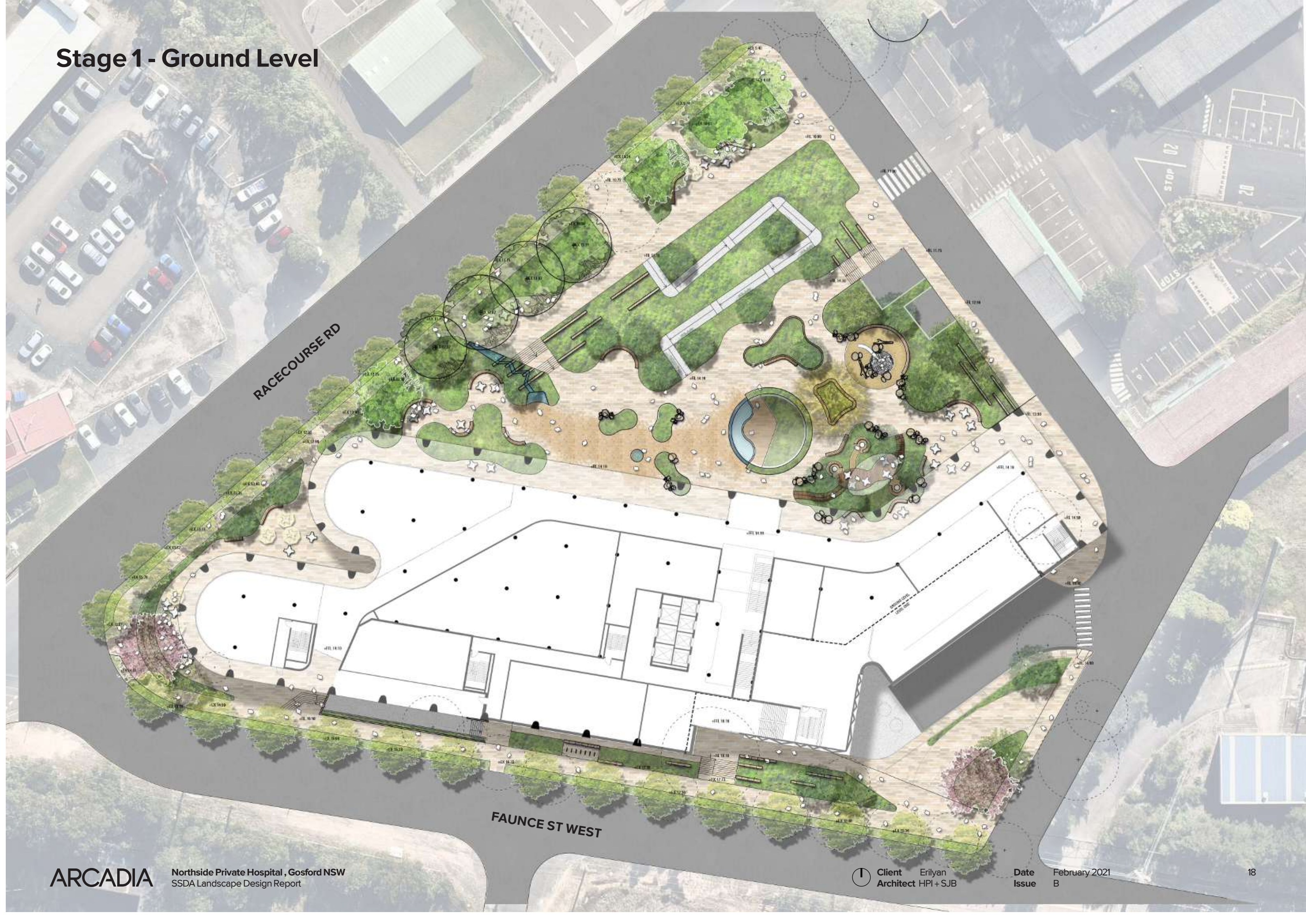
LEGEND

DEEP SOIL

PLANTING ON PODIUM



Stage 1 - Ground Level



Stage 2 - Landscape Masterplan



Stage 2 - Ground Level

LEGEND

- 1 SHARED PATHWAY
- 2 CARPARK EXIT
- 3 CAR PARK ENTRY
- 4 STEPPED ENTRANCE
- 5 ACCESSIBLE RAMP ACCESS
- 6 CAFE / RETAIL BREAKOUT SPACE
- 7 FEATURE TREE
- 8 ARRIVAL PLAZA
- 9 CHILDREN'S NATURE PLAY
- 10 BICYCLE PARKING
- 11 BOARDWALK/SHELTER
- 12 HEAVY DUTY PAVING FOR TRUCK ACCESS
- 13 FEATURE PAVING
- 14 VOID TO BASEMENT BELOW
- 15 RAISED PLANTERS
- 16 SUBSTATION

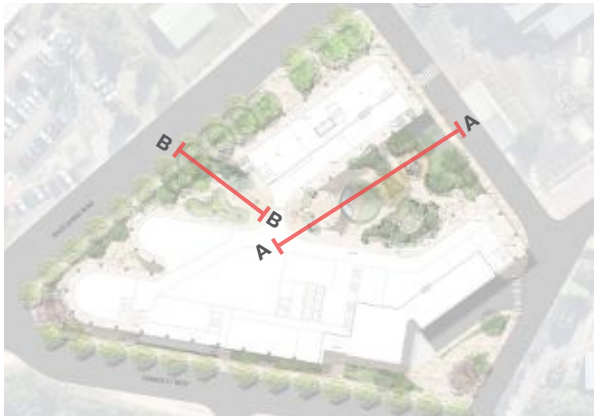
RACECOURSE ROAD

FAUNCE ST WEST

Stage 2 - Ground Level Sections



SECTION AA @ 1:200



LEGEND

- 1 EXISTING TREE
- 2 RAISED PLANTERS
- 3 CAFE / RETAIL BREAKOUT
- 4 TREE PLANTING
- 5 SHARED PATH
- 6 WATER FEATURE
- 7 COVERED WALKWAY
- 8 CHILDRENS PLAY
- 9 VOID TO BASEMENT



SECTION BB @ 1:100

Stage 2 - Ground Level Precedents



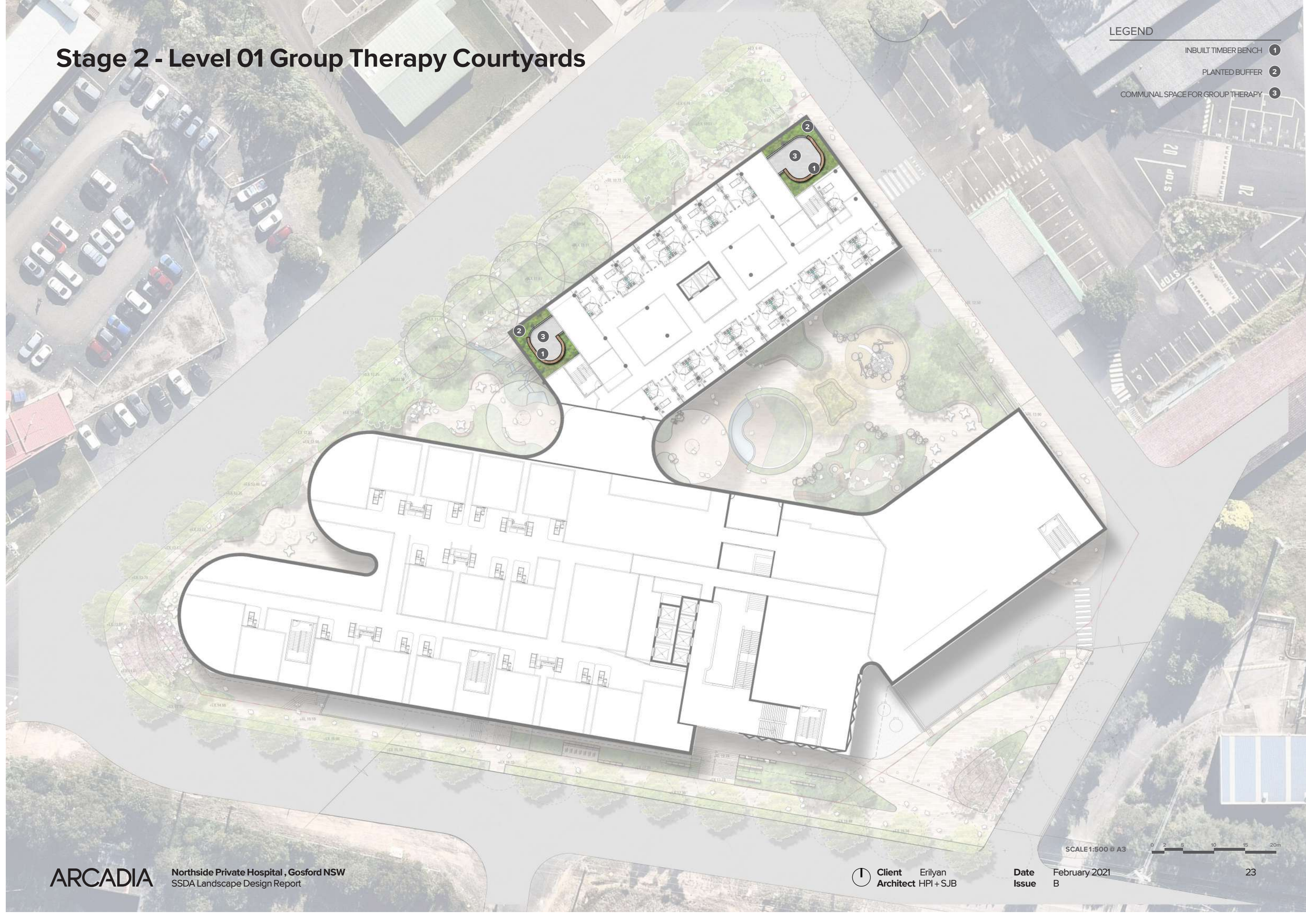
Stage 2 - Level 01 Group Therapy Courtyards

- LEGEND
- INBUILT TIMBER BENCH

1
- PLANTED BUFFER

2
- COMMUNAL SPACE FOR GROUP THERAPY

3



Stage 2 - Level 03 Mental Health / Inpatient Landscape Courtyards

- LEGEND
- 1

RAISED LOOP PATH
- 2

BBQ COMMUNAL SPACE
- 3

LOW HEIGHT PLANTING
- 4

HERB AND VEGE GARDEN
- 5

GARDEN NOOK
- 6

TREES IN RAISED PLANTERS
- 7

PLANTING OUTLOOK FROM BUILDINGS
- 8

MAINTENANCE PATH
- 9

COMMUNAL GARDEN SEATING

ROOF TERRACE STAGE 1 & 2

MENTAL HEALTH UNIT

INPATIENT UNIT

Stage 2- Level 05 Rehab Courtyard

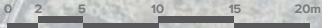
LEGEND

- LOOP PATH 1
- STEPS 2
- RAMPS WITH HANDRAILS 3
- OPEN TURF SPACE 4
- SEATING AREA 5

ROOF TERRACE STAGE 1 & 2

INPATIENT UNIT

SCALE 1:500 @ A3



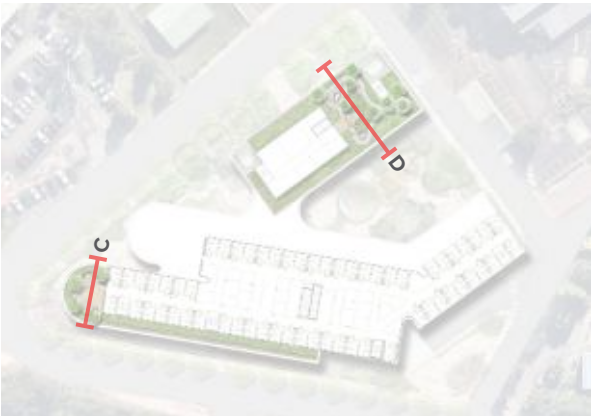
Stage 1 & 2 - Roof Terraces Sections



SECTION CC @ 1:100



SECTION DD @ 1:100



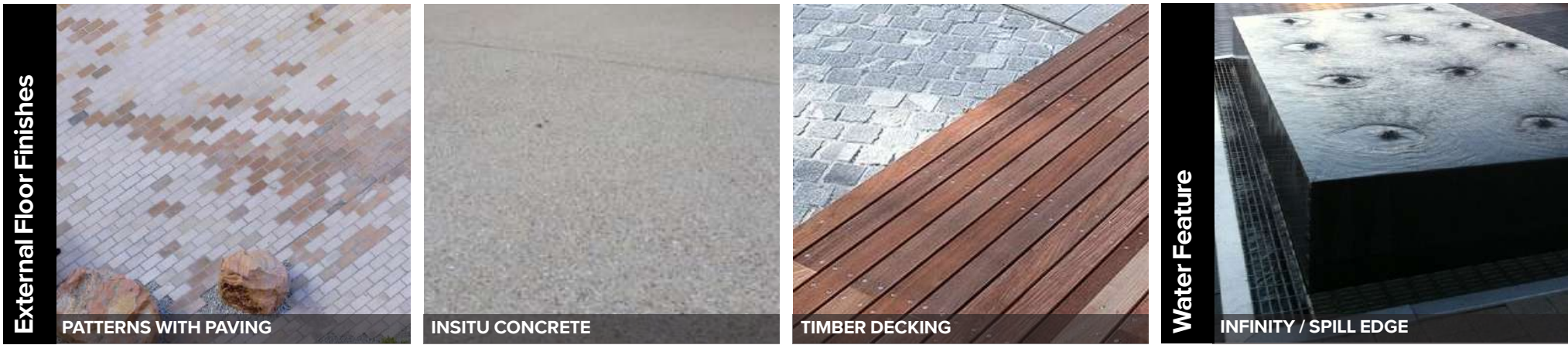
LEGEND

- 1 TREE PLANTING
- 2 RAISED PATH
- 3 FLUSH PLANTING
- 4 PLANTING BUFFER
- 5 TIMBER SEATING
- 6 RAISED PLANTERS
- 7 HERB AND VEGE GARDEN
- 8 BBQ/COMMUNAL SPACE
- 9 LOOSE SEATING

Stage 1 & 2 - Roof Terraces Precedents



Material Palette



Planting Palette

Trees	 <i>Cupaniopsis anacardioides</i>	 <i>Fraxinus excelsior 'Aurea'</i>	 <i>Jacaranda mimosifolia</i>	 <i>Lagerstoremia indica 'Natchez'</i>	 <i>Lophostemon confertus</i>	 <i>Tristaniaopsis laurina</i>
Shrubs	 <i>Alpinia caerulea</i>	 <i>Acmena smithii 'Minor'</i>	 <i>Cordyline fruitcosa 'Rubra'</i>	 <i>Philodendron xanadu</i>	 <i>Syzygium 'Aussie Boomer'</i>	 <i>Zamia furfuracea</i>
Grasses	 <i>Dianella caerulea 'Cassa'</i>	 <i>Dietes bicolor</i>	 <i>Lomandra 'Verday'</i>	 <i>Liriope 'Stripey White'</i>	 <i>Poa labillardieri</i>	 <i>Poa poiformis</i>
Fems	 <i>Asplenium australasicum</i>	 <i>Blechnum 'Silver Lady'</i>	 <i>Cycas revoluta</i>			
Groundcovers	 <i>Adiantum aethiopicum</i>	 <i>Alternanthera 'Little Ruby'</i>	 <i>Casuarina glauca 'Cousin it'</i>	 <i>Myoporum parvifolium</i>	 <i>Viola hederacea</i>	

ARCADIA