

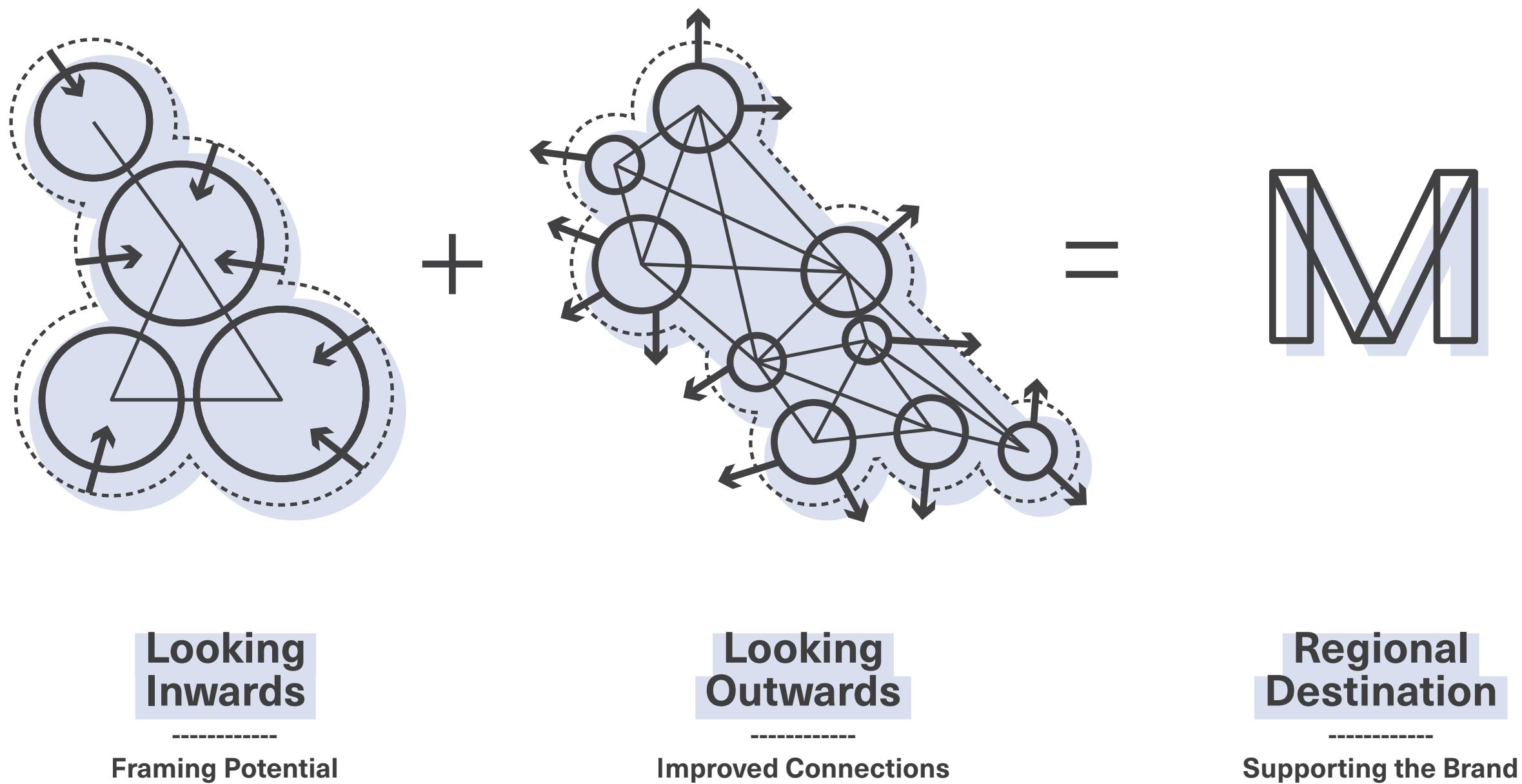


Sturt Reserve

Master Plan Design Development

July 19th 2021

Key Strategy



Masterplan Objectives



Summary of the '2017 Sturt Reserve Masterplan - Guiding Principles Applicable to Sturt Reserve'

1. Improve Access & Build Connections

Develop an integrated network of linkages both within the reserve and the broader context

2. Hub for Community Activities

Locate complementary community activities to draw the town centre to the reserve and the river

3. Focus Rec Activities Around River 'Zones'

Define areas of recreation nodes along the river's edge

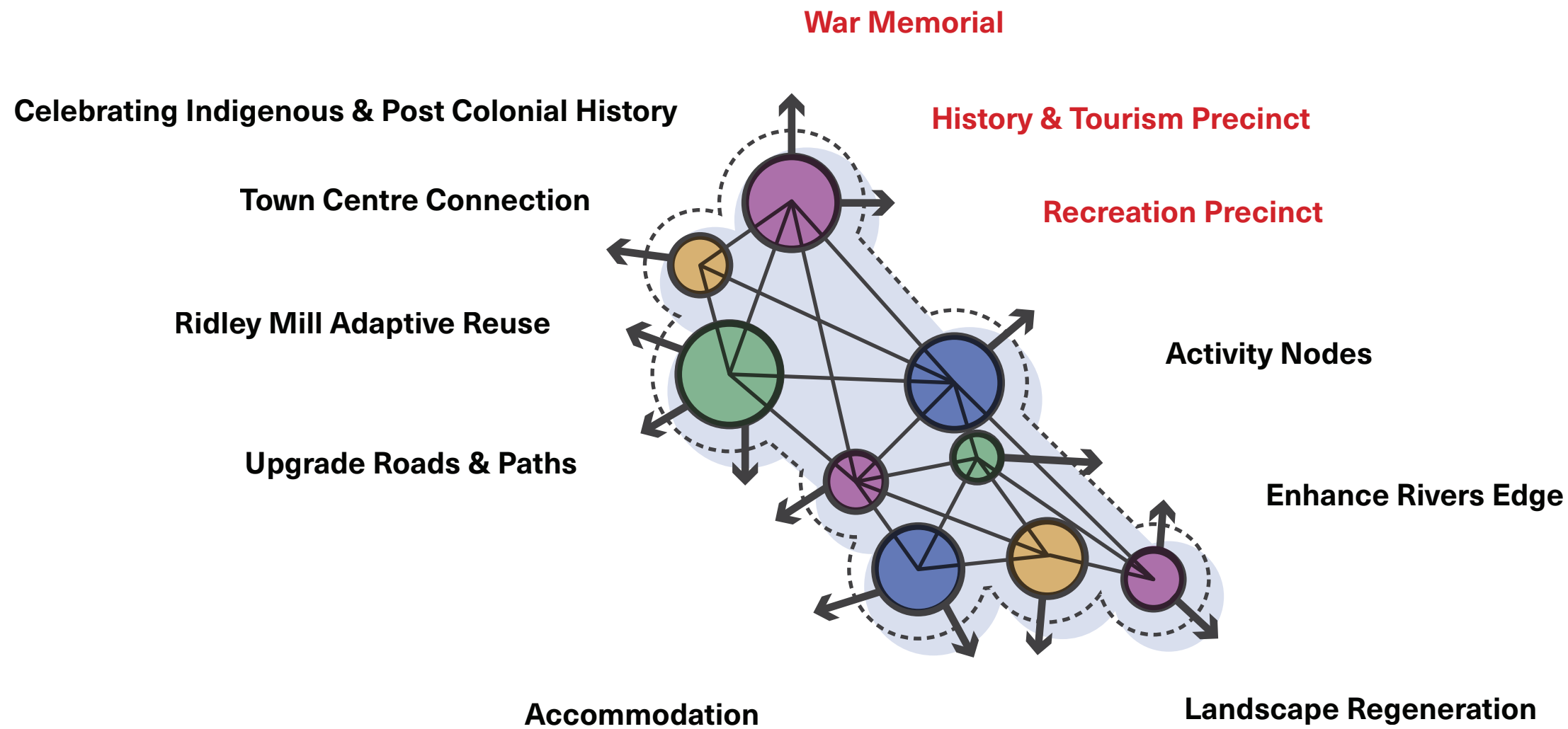
4. Balance Rec & Enviro Values Through Service Levels

Deliver best practice environmental outcomes

5. Engagement With Ngarrindjeri

Recognise and engage with Ngarrindjeri to embed past, present and future stories of place within the development masterplan.

Key Projects



Looking Outwards

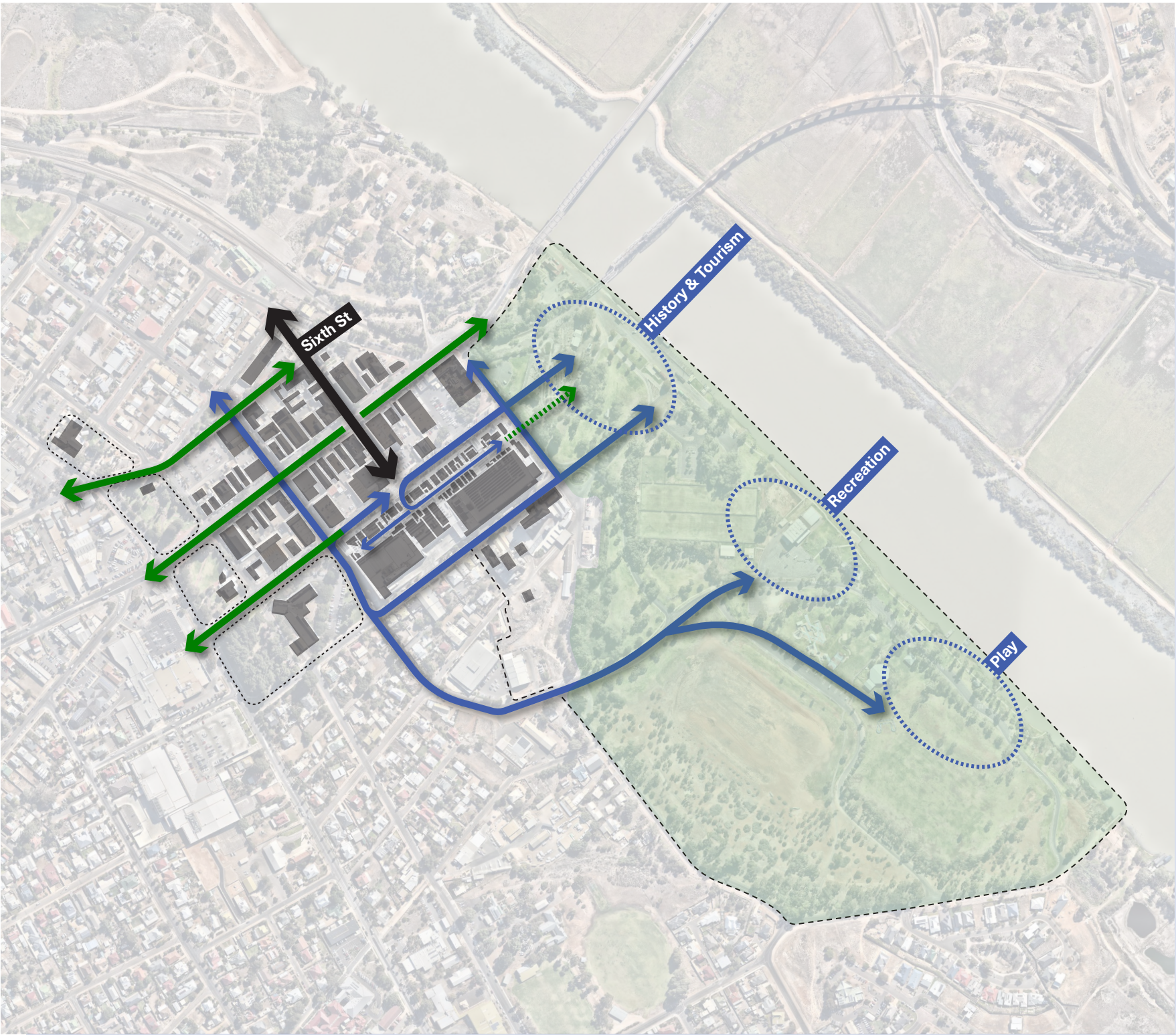
An integrated approach for past,
present and future

Town Centre Connection

Prioritising Active Transport Connectivity

Improving current connections with street upgrades similar to Sixth Street will help to enhance pedestrian and bicycle movement and promote key defined linkages to the riverfront whilst providing more efficient car access and parking.

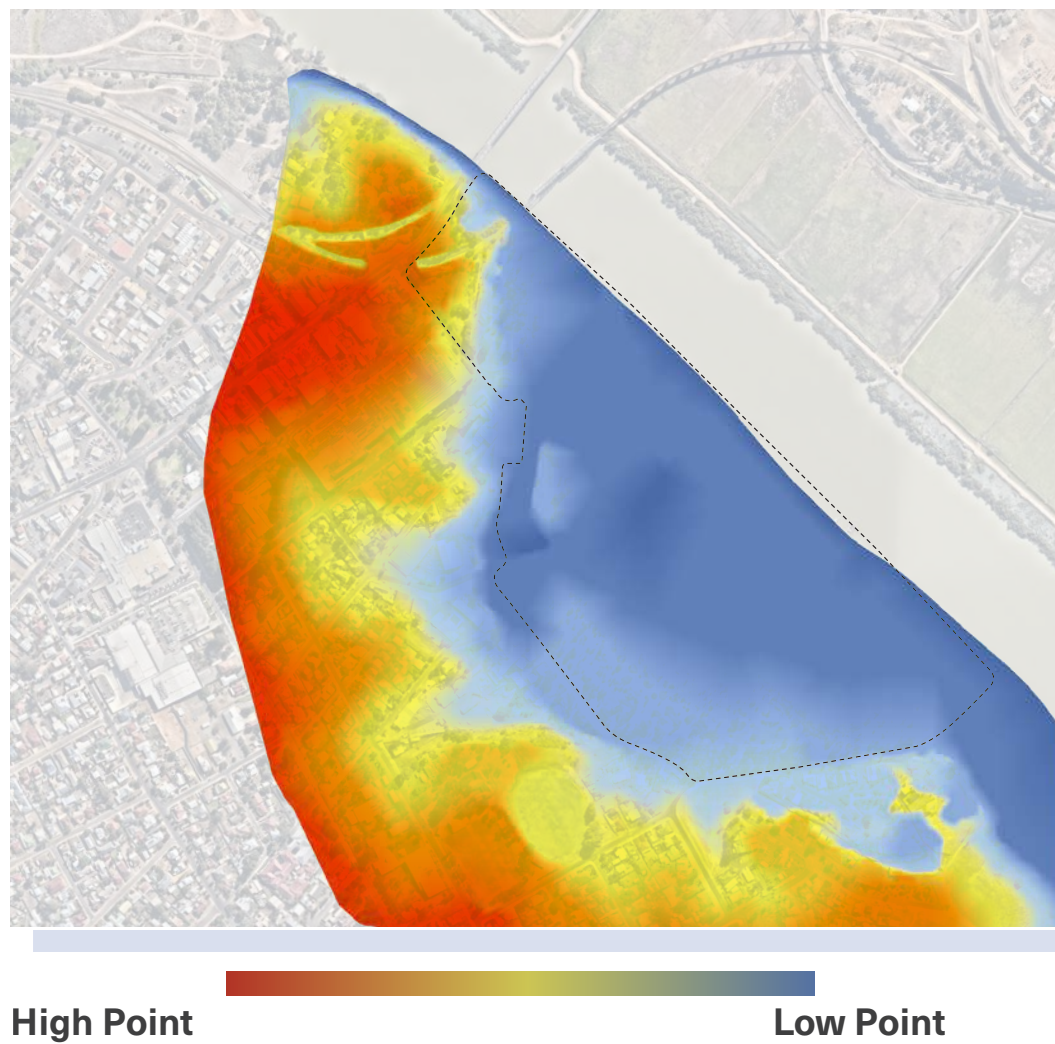
Enhancing broad parkland connectivity with additional connections will connect existing open spaces east to west, creating an improved experience with nature and a more legible and direct connection to key tourism and recreation spaces



- Town Centre Connections
- Parkland Connections

'Bridging the Gap'

An opportunity to leverage off the new Bridgeport Hotel development with an enhanced gateway to Sturt Reserve will improve connections and provide a unique lookout opportunity at the topographic high point - a significant location in Indigenous and post-colonial history



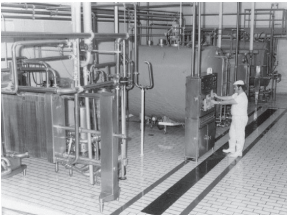
Celebrating Indigenous & Post-Colonial History

Heritage, Design, and Wayfinding

Create meaningful experiences and a compelling destination for users by using rail and river heritage as a design, wayfinding, and destination device

Re-connecting History

These elements can not be restrained within a boundary but instead can be connected across and outside the site helping to create more established, activated and immersive experiences



Retention & Conservation of Heritage



Weaving / Patterning



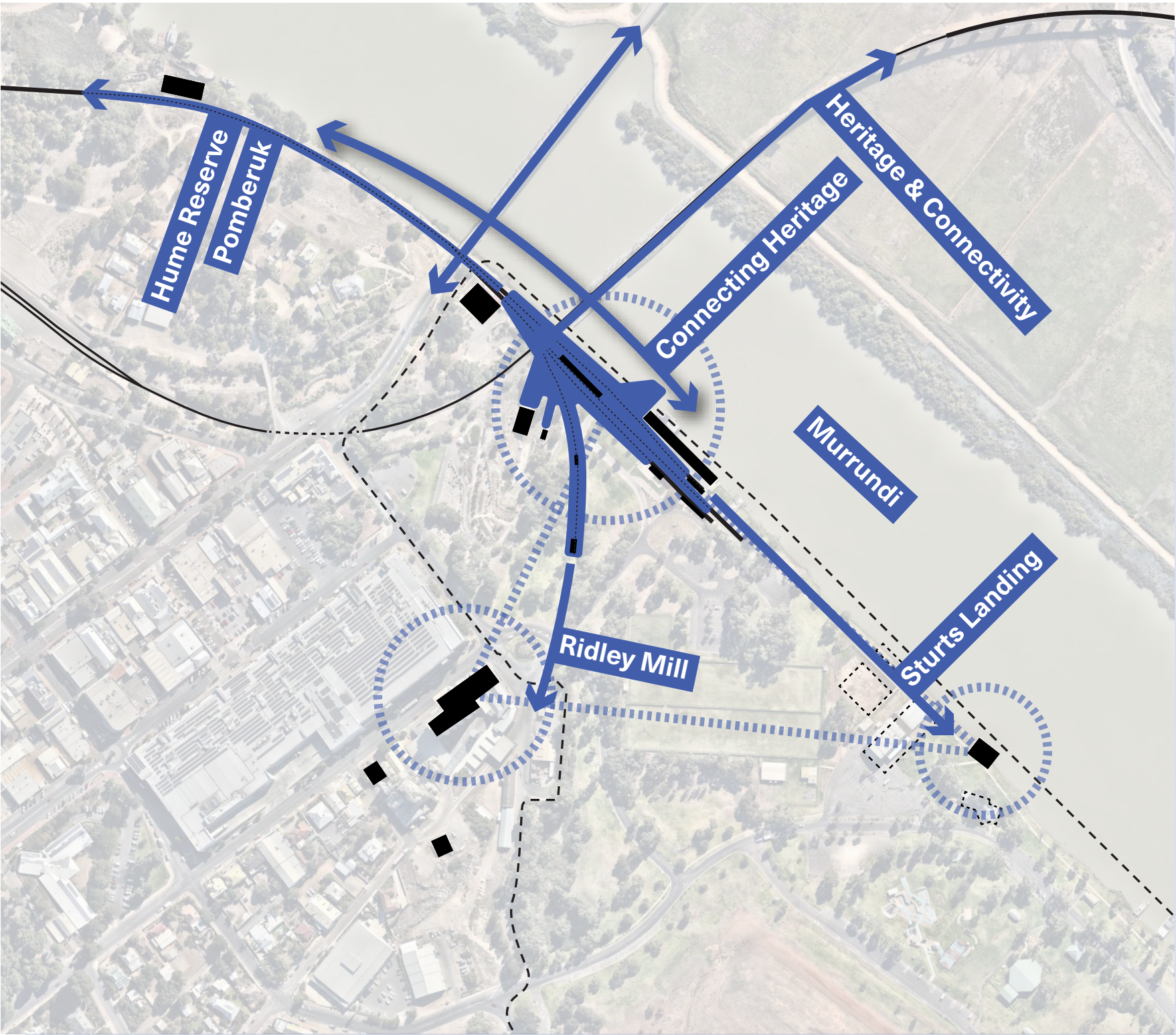
Murals / Engraving



Opportunities



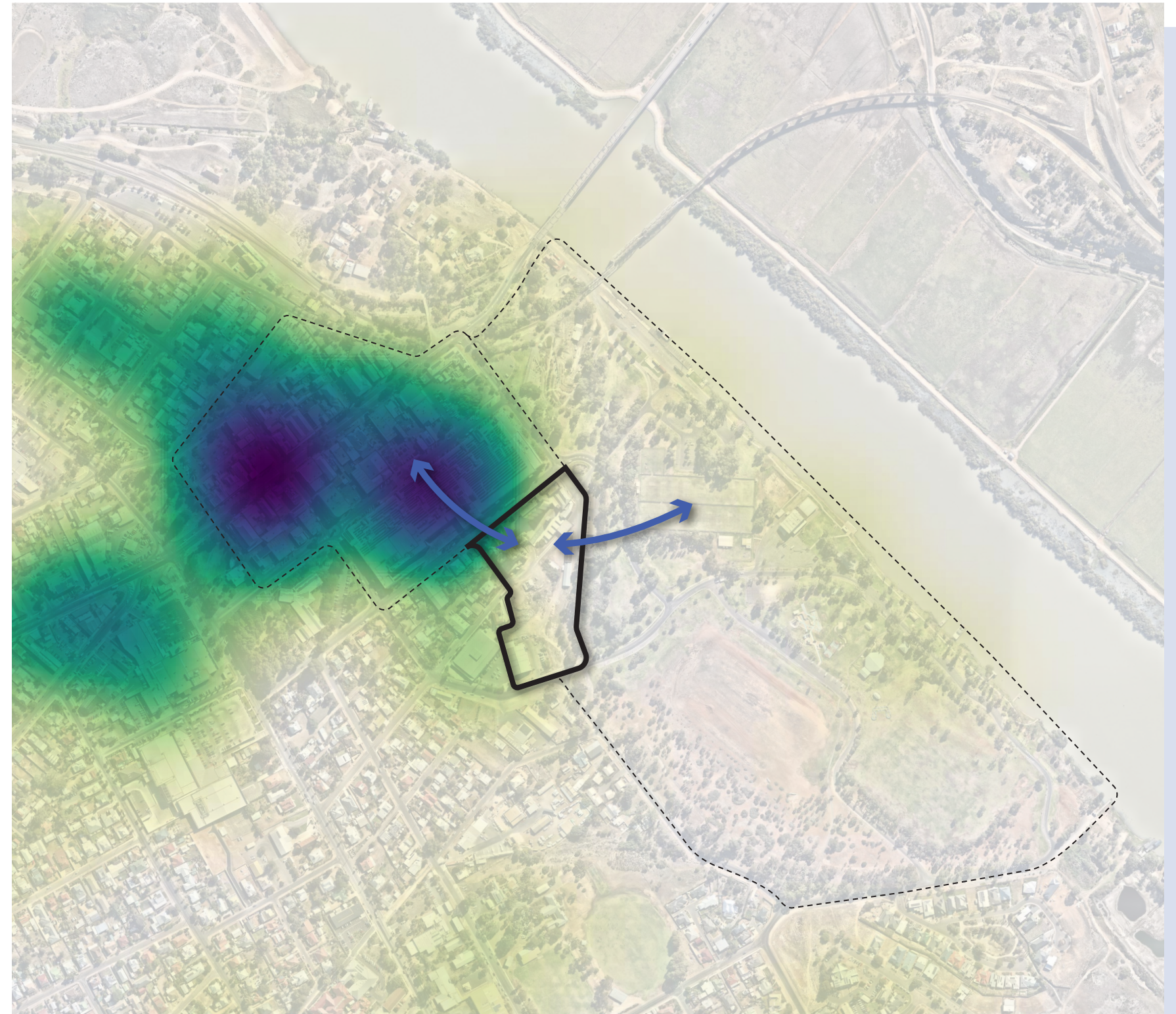
Text Based Elements



Ridley Mill Adaptive Re-use

‘Key Link in the Chain’

The majority of activity in Murray Bridge occurs in the town centre yet its interface with Sturt Reserve is small compared to the interface with industrial and residential edges. Adaptively reusing Ridley Mill could form a powerful link between the town centre and Sturt Reserve



Least Activity

Most Activity

'Key Link in the Chain'

The Ridley Mill site provides an opportunity to create a better and more established interface with the town centre using culturally significant heritage redevelopment to form the 'Key Link in the Chain'



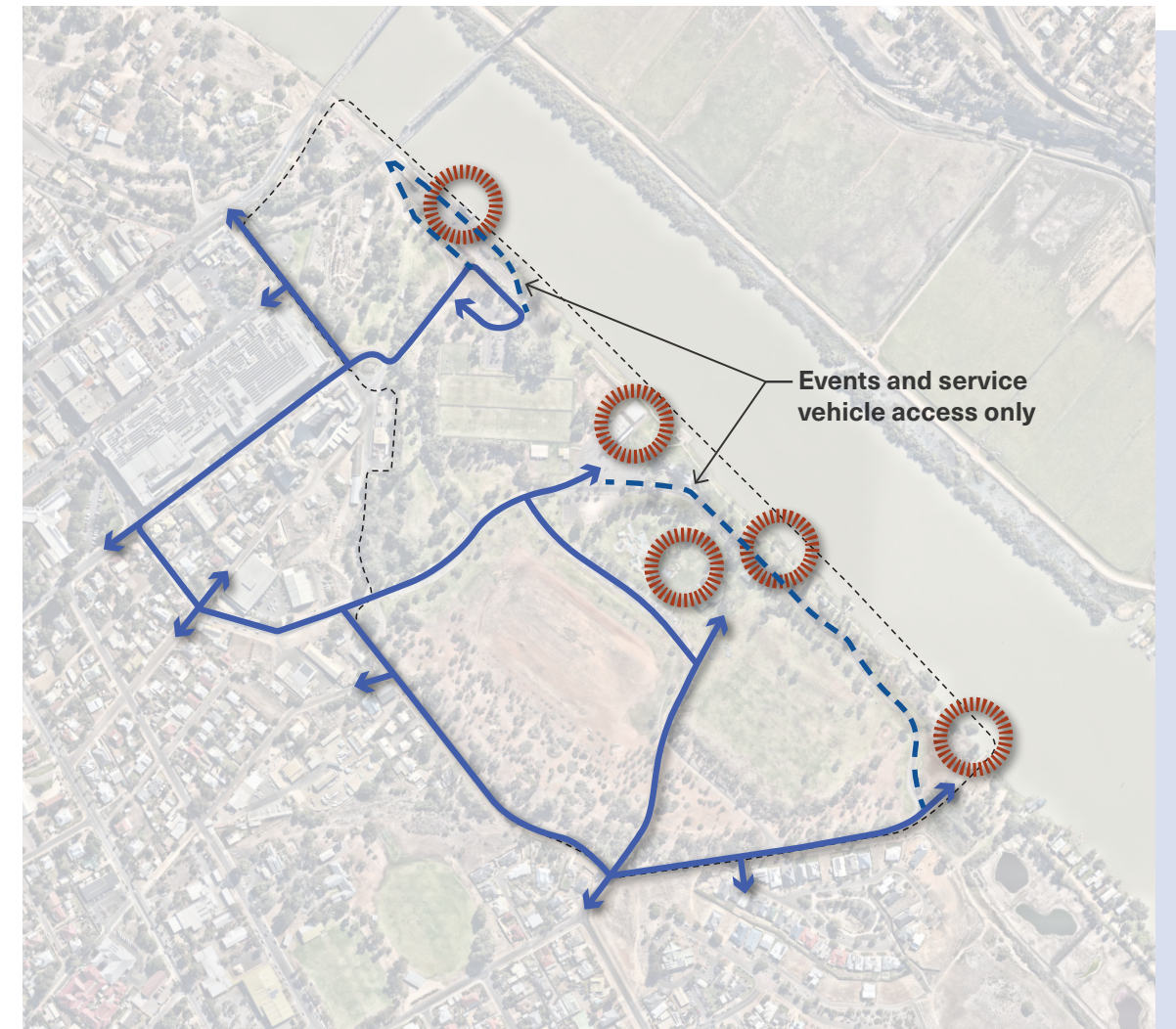
Upgrading Roads and Paths

Creating Direct Connections

Prioritising pedestrian and bicycle connectivity whilst enhancing usable green open space by providing more direct and efficient car access and parking



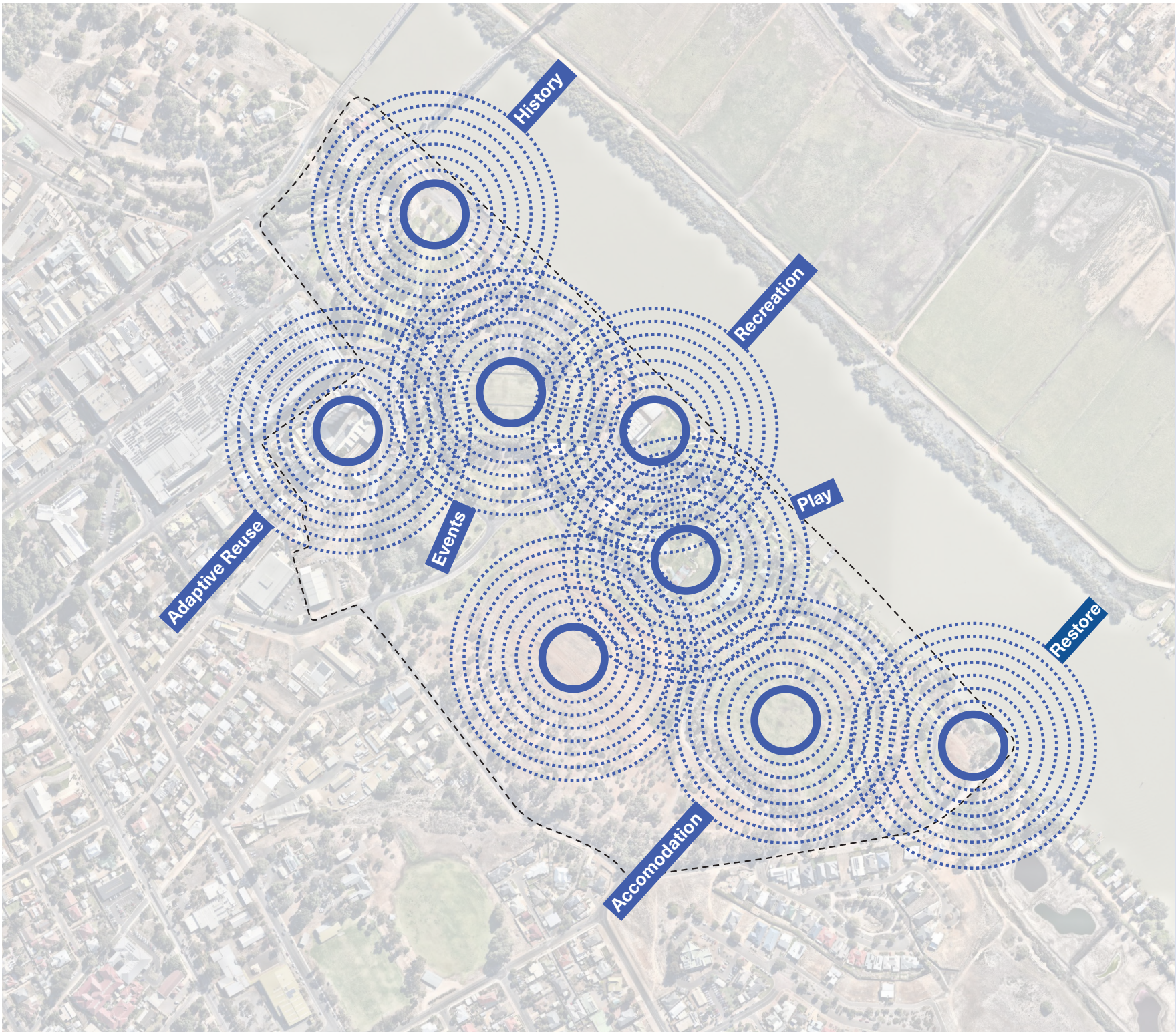
Existing Road Network



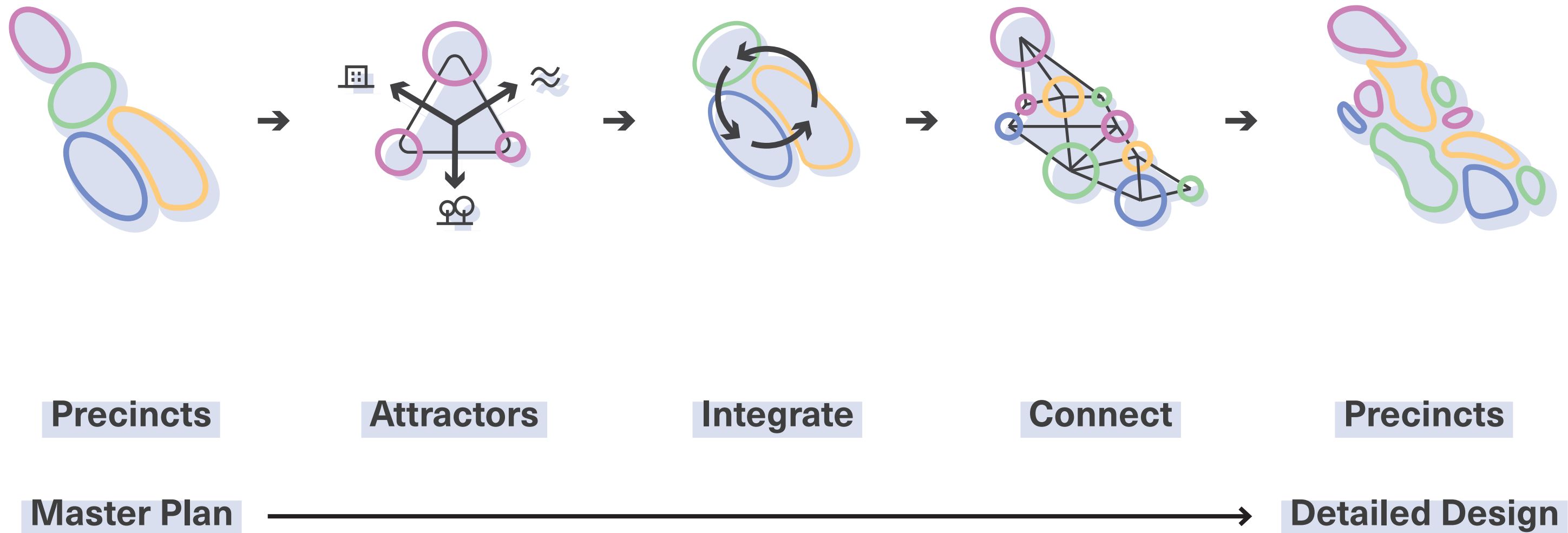
Proposed Road Network

Activity Nodes

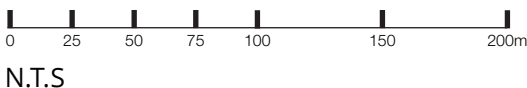
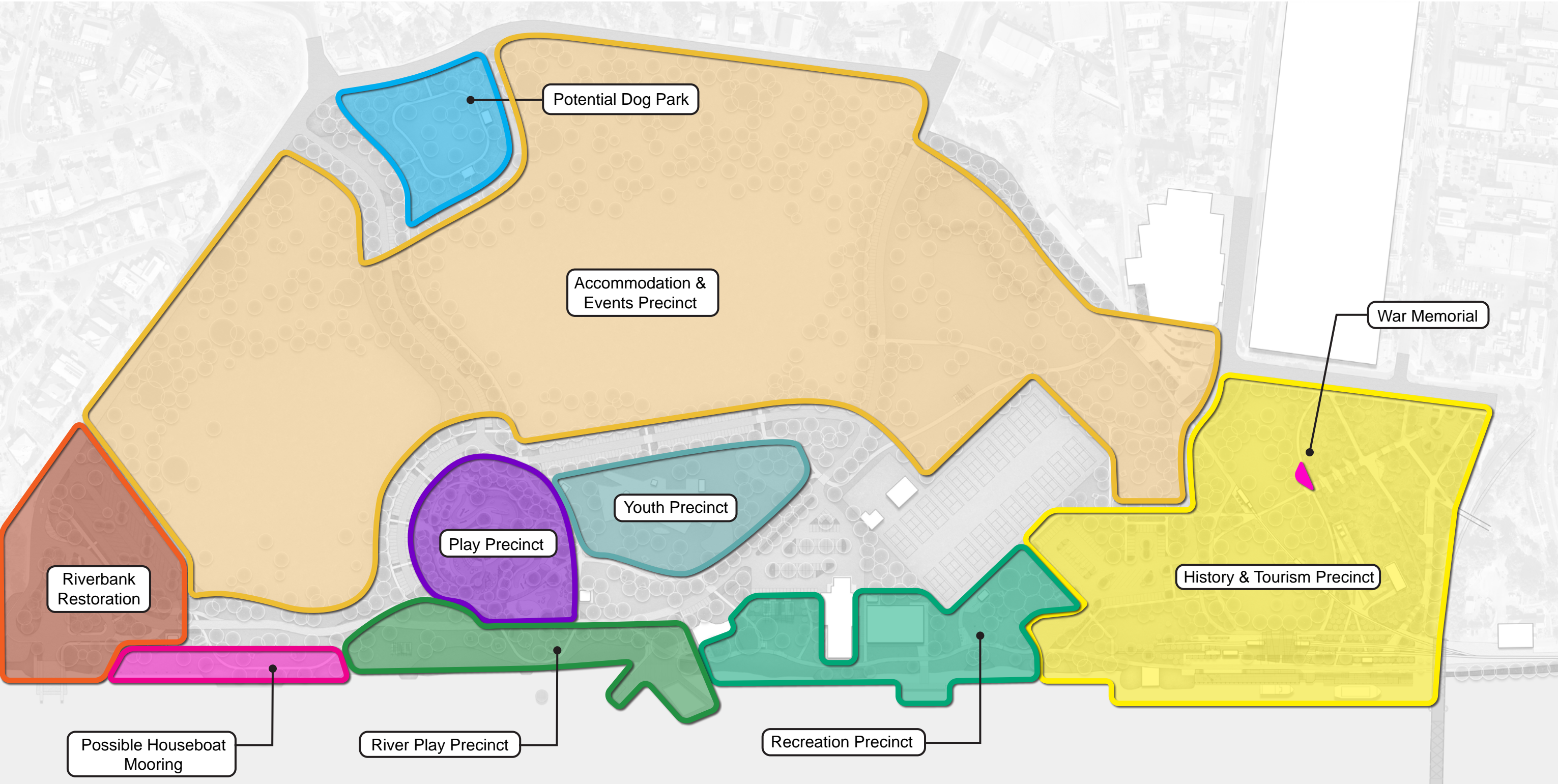
Activity nodes are placed throughout the reserve while the intensity and capacity of large events and activities can be managed via a diverse offering of active and passive recreational spaces



Development of the Master Plan



Concept Plan Precincts

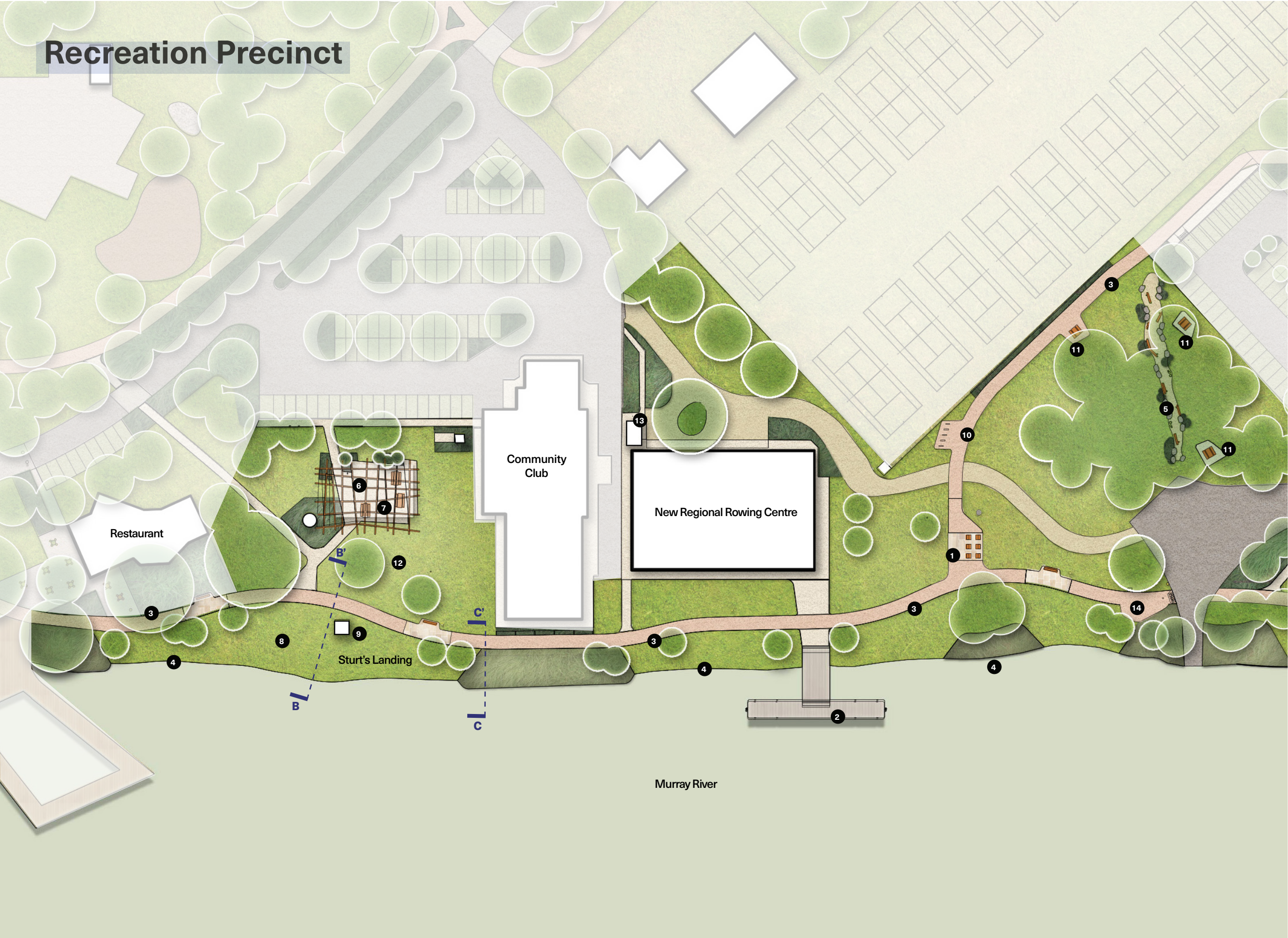


Concept Plan



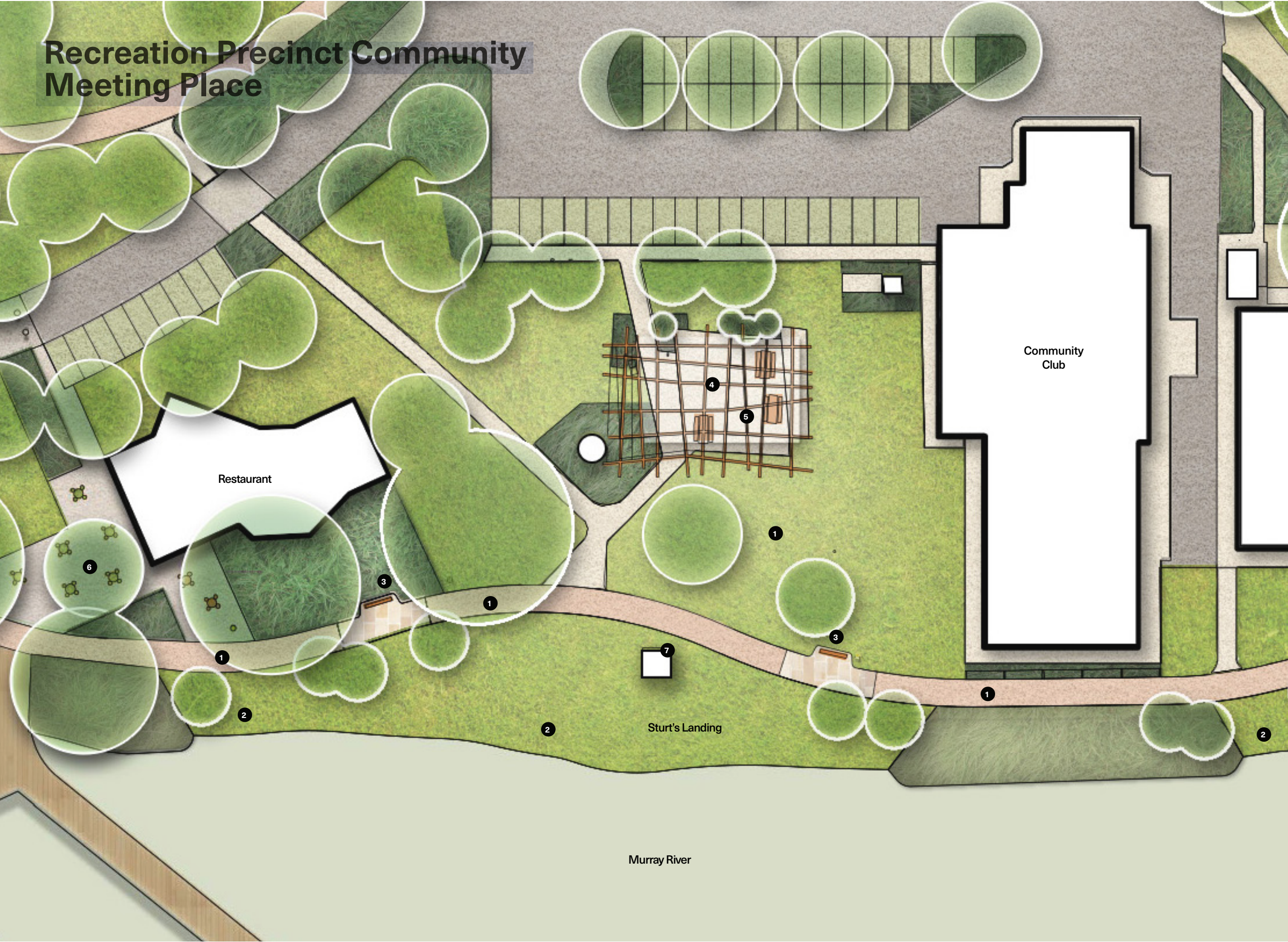
The background image is a blurred photograph of a park. In the foreground, there is a body of water, likely a lake or a large pond. A person is visible in a blue kayak or canoe in the lower right quadrant of the water. In the middle ground, there is a grassy area and a white building with several windows. The background is filled with a dense line of trees under a sky with scattered clouds. The overall image has a soft, out-of-focus quality.

Recreation Precinct



- KEY**
- 1. Trailhead
Incorporating approved wayfinding structure and signage
 - 2. Rowing launch pontoon
For use also by dragon boats
 - 3. Shared-use path
3m wide with linemarkings
 - 4. Upgrade riverbank edge
Reduce slope and reinforce turf as required
 - 5. Nature Play
Naturalisation of the stormwater swale
 - 6. Custom shade canopy and arbour structure
Architectural form references historic vernacular language; Opportunity to utilise solar voltaic panels, and climbing plants for greening
 - 7. Community meeting place / picnic node
Communal picnic furniture and BBQ facilities
 - 8. Riverbank
Lay back banks and create improved water access and passive grassed seating areas
 - 9. Retain memorial
 - 10. Bike rack station
 - 11. Picnic settings
 - 12. Sturt's Landing
Consolidate usable open space for community gatherings
 - 13. New toilet
Delivered as part of new rowing facility works
 - 14. Public Art
New 'Murray Cods' themed public art installation

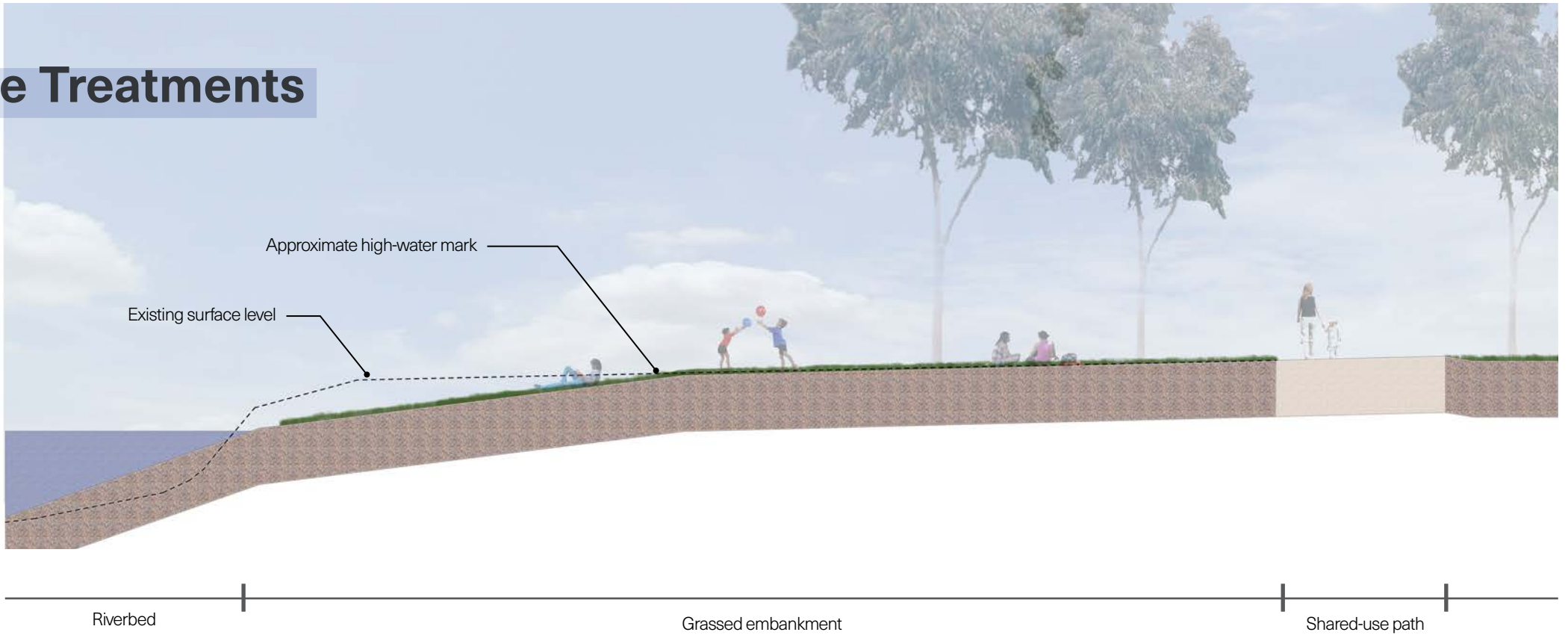
- LEGEND**
- Existing tree
 - Proposed tree
 - Irrigated garden bed
 - Irrigated turf



Recreation Precinct



Soft River Edge Treatments



SECTION B-B'
Scale 1:100 @ A3



SECTION C-C'
Scale 1:100 @ A3

An aerial photograph of a waterfront park. In the foreground, there is a sandy area with a playground and a paved walking path. To the left, there are green lawns and some trees. In the background, a river flows, and a bridge is visible in the distance. The sky is blue with some clouds. The text "History & Tourism Precinct" is overlaid in the center of the image.


History & Tourism Precinct

Memorial Surrounds



KEY

1. Existing Train on Weighbridge, incorporated into new public open space
2. Storage House
3. War Memorial
4. Stepped access down from existing bitumen path to War Memorial
5. DDA access path
6. Existing bitumen path
7. Open grass area
8. Avenue of existing trees
9. Shared use path with lighting
10. Shared use path ends and meets existing paved footpath
11. Open wagon and ramp. Future interp/ public art
12. Train tracks
13. Train tracks (understood to be beneath turf)
14. New planting, trees and custom bench seating to Wharf edge
15. Existing Wharf
16. New Wharf

 Indicative structural tree root zone

LEGEND

-  Existing tree
-  Proposed tree
-  Irrigated garden bed
-  Irrigated turf

Wharf Precinct



- KEY**
- 1. New shelter
 - 2. New custom seating on painted existing asphalt
 - 3. Shared-use path (Linemarking only)
 - 4. Replace existing asphalt with new trees in garden bed
 - 5. Wharf upgrade. Refer to Mullovey drawings
 - 6. Relevelled grassed area to improve visual connection to Wharf
 - 7. New trees in lawn, cut out existing paving
 - 8. New shared-use path connection
 - 9. Service area with fenced waste storage

Legend	
	Garden bed
	Turf
	Pavement (Type 01)
	Wharf decking
	Bench Seat
	Existing Tree
	Proposed Tree

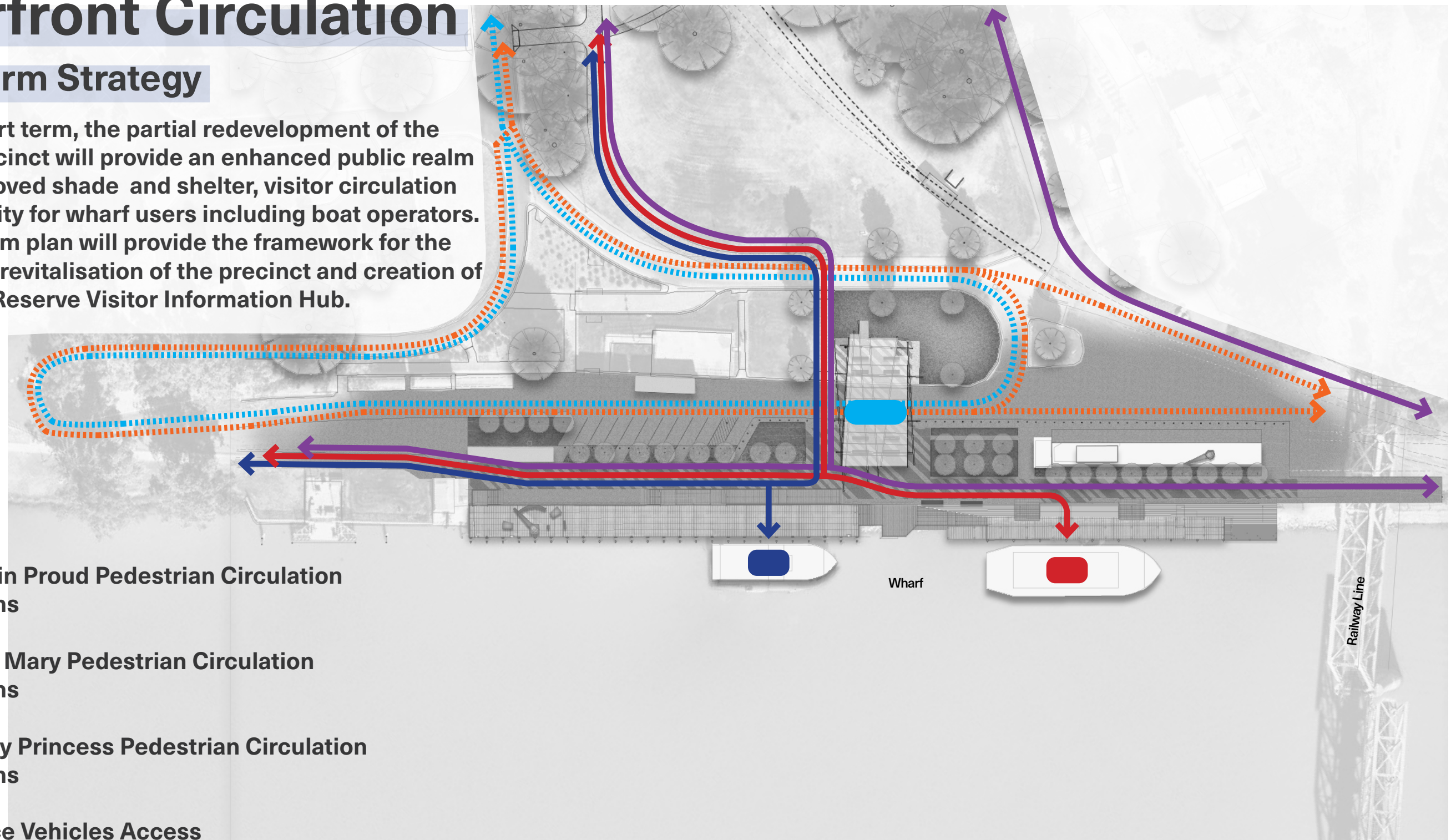
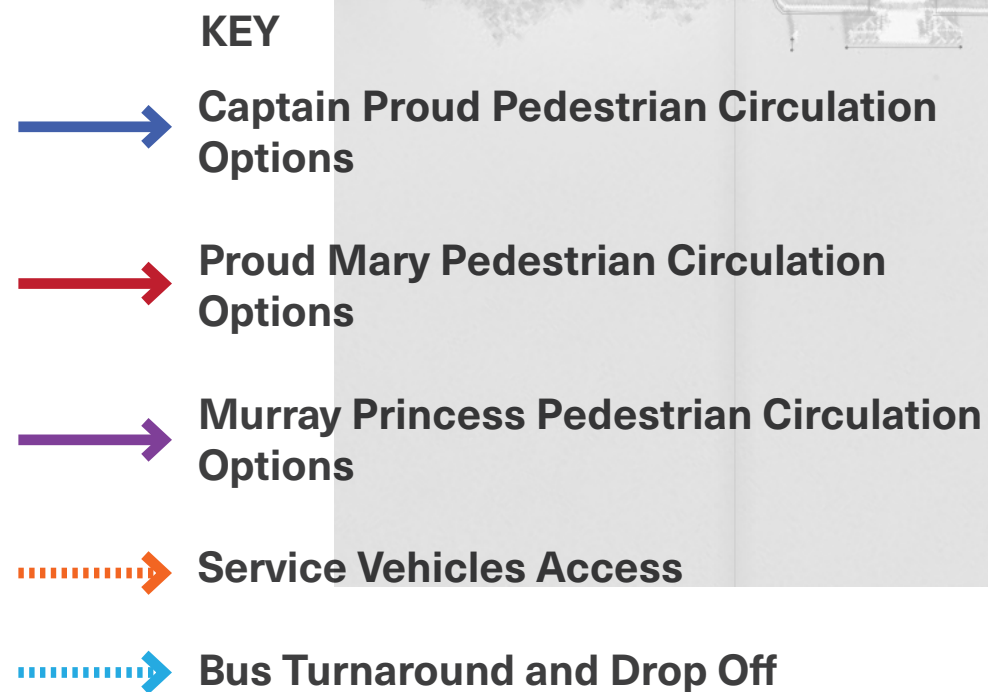
Wharf Precinct



Riverfront Circulation

Short Term Strategy

In the short term, the partial redevelopment of the wharf precinct will provide an enhanced public realm with improved shade and shelter, visitor circulation and amenity for wharf users including boat operators. This interim plan will provide the framework for the long term revitalisation of the precinct and creation of the Sturt Reserve Visitor Information Hub.



Carpark & Road Design Materials

Pedestrian and bicycle movement is given priority over vehicles and is defined through subtle use of materiality and intuitive wayfinding.

Car parking, roads and shared spaces should utilise a soft-engineered approach with low-impact, sustainable materials fitting of the parkland setting, while incorporating WSUD where suitable.



Reinforced Turf Parking



WSUD Rain Gardens & Passive Irrigation



Permeable Paving

History & Tourism Precinct - Long Term Concept Plan



KEY

1. War memorial plaza
Approved design
2. Pedestrian link
Strong linkage from city centre to heritage / tourism precinct
3. Stairs and rest areas
Series of stairs and landings, with stone-faced retaining walls and seating areas.
Opportunity for custom arbour structures above rest areas
4. Rejuvenated memorial gardens
5. Accessible elevated lookout
(Shown dashed)
Connected to South Terrace and the new heritage / tourism link.
Opportunity to incorporate a new visitor information centre into the elevated structure
6. Relocated iconic 'Bunyip'
Embedded into the landscape upgrade
7. Bridge over rail link
Possible new bridge link to the Round House and Hume Reserve beyond
8. Boardwalk connection
Providing DDA compliant path
9. External lift
10. Historic Goods Yard precinct
Opportunity for culturally sensitive redevelopment and activation
11. Upgrade carpark
12. South Terrace at-grade path
13. Trailhead and Lookout
14. Historic rail connection
With integrated shared-use path and activity nodes at carriages
15. New wharf extension
16. New visitor information centre
With shelters, decking, cafe and interpretation
17. Shared-use Path
18. Historic wharf for restoration

LEGEND

- Existing tree
- Proposed tree
- Irrigated garden bed
- Irrigated turf



Mobilong Wharf - Long Term Vision



Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

Mobilong Wharf - Long Term Vision



Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

Mobilong Wharf - Long Term Vision



Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

Mobilong Wharf - Long Term Vision





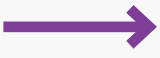


Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

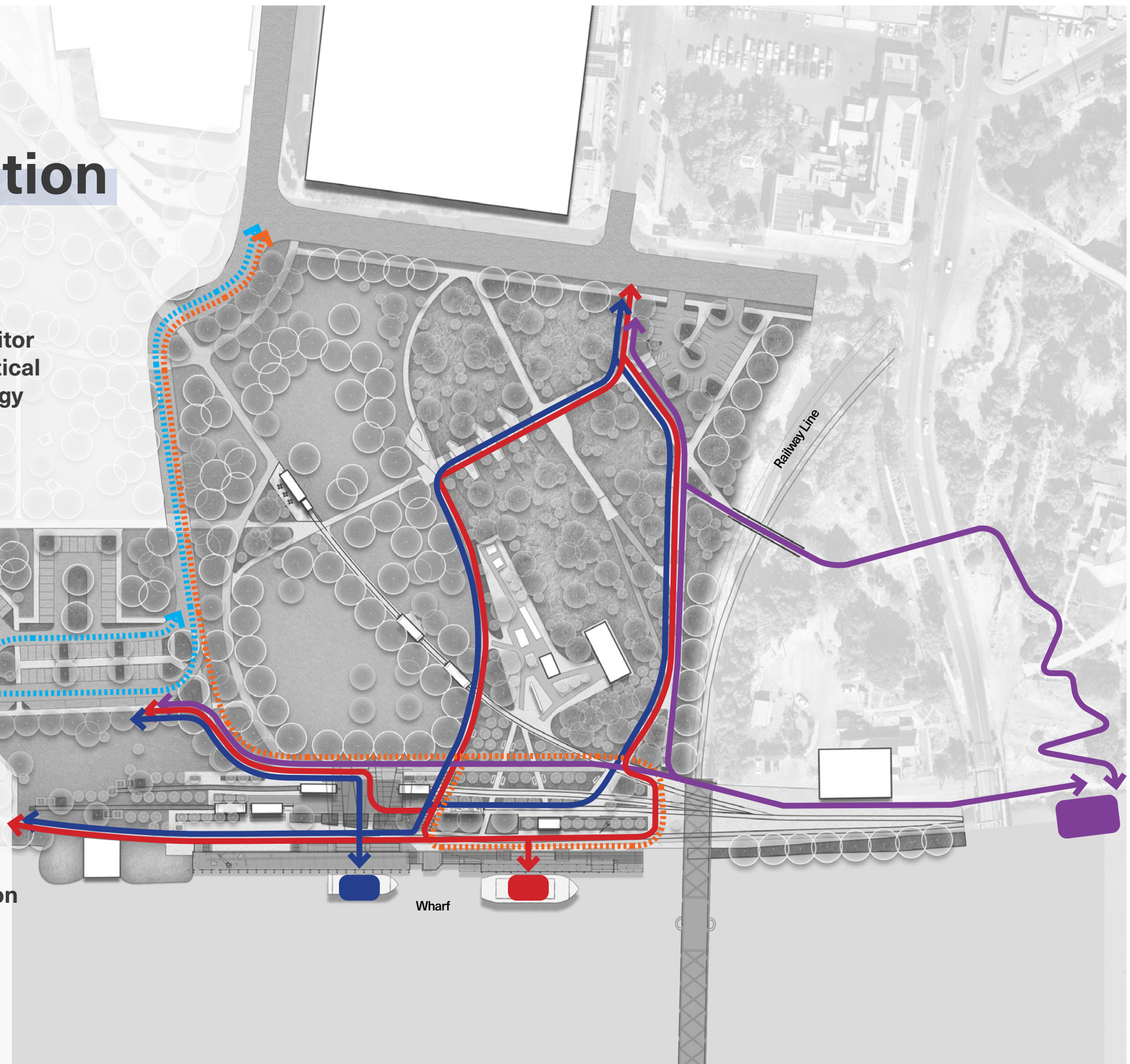
Riverfront Circulation

Long Term Strategy

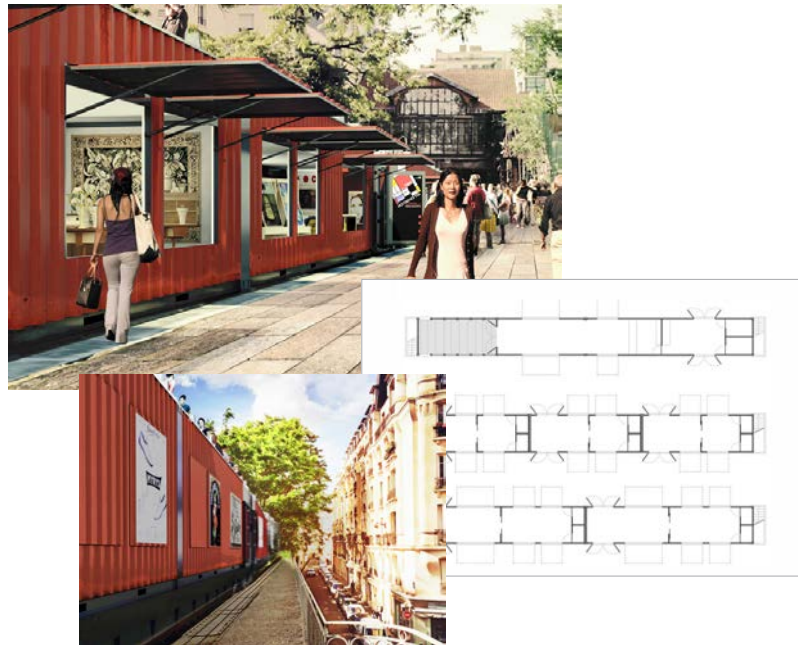
The redeveloped riverfront presents an opportunity to concentrate and direct visitor arrivals through the site which will be critical to the activation and interpretation strategy for the History & Tourism precinct.

KEY

-  Captain Proud Pedestrian Circulation Options
-  Proud Mary Pedestrian Circulation Options
-  Murray Princess Pedestrian Circulation Options
-  Service Vehicle Access
-  Bus Turnaround and Drop Off



Precedents - Waterfront Rail Adaptive Reuse



La Petite Ceinture - Travelling Train Market (Competition)
Paris, France
Amílcar Ferreira and Marcelo Fernandes



Copenhagen Playground (Competition)
Denmark
Illya Rastvorov



Devil's Corner
Tasmania, Australia
Cumulus Studio



Boxpark
London, United Kingdom
Waugh Thistleton Architects

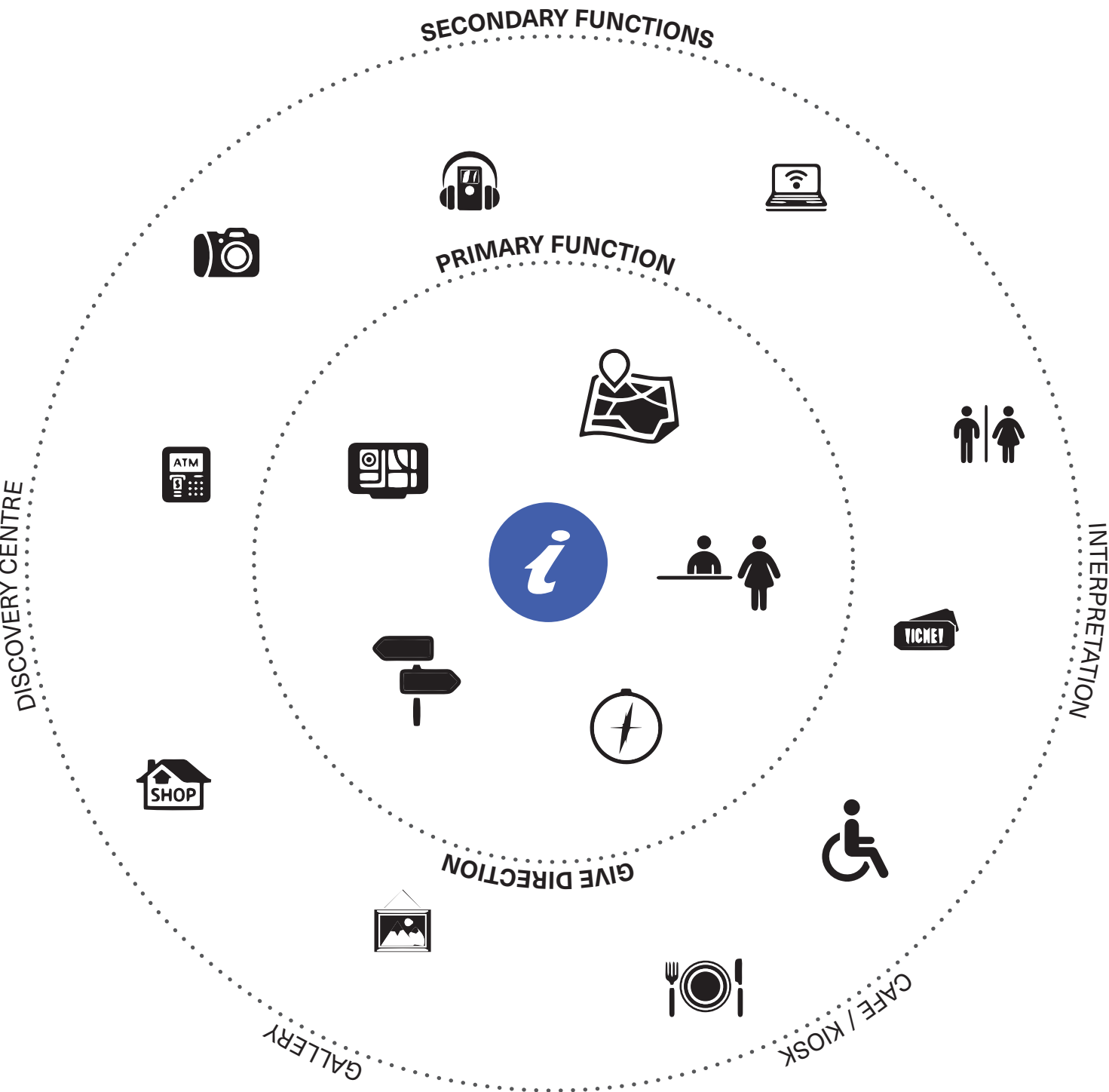
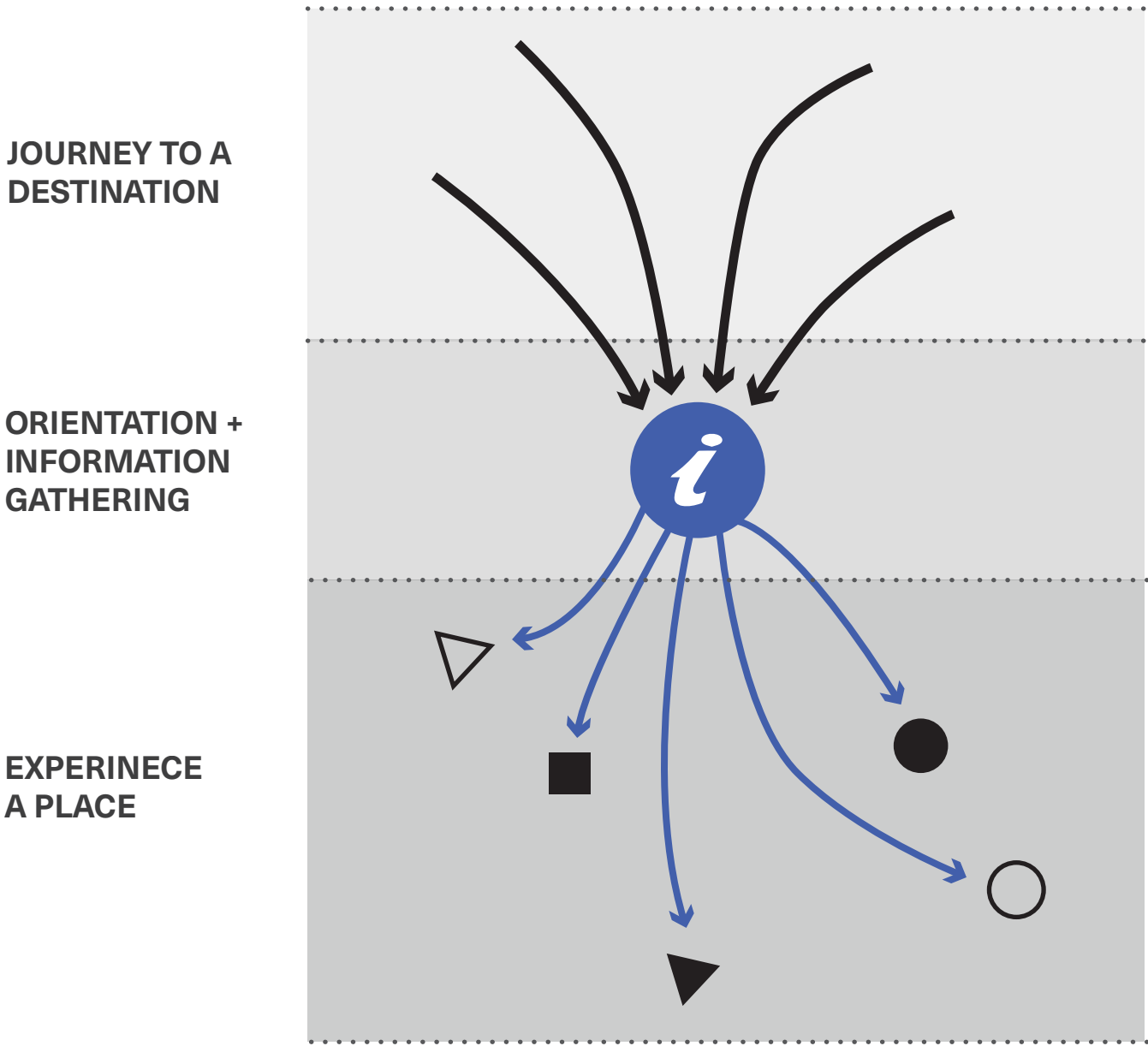


Barneveld Noord Railway Station
Barneveld, Netherlands
NL Architects



Re:START Mall
Christchurch, New Zealand
Buchan Group

Visitor Information Strategy



Visitor Information Strategy

Wayfinding Nodes

Key Entry Points

Destinations

- 1. Sturts Landing
- 2. Ridley Mill
- 3. History Society
- 3. Roundhouse



Integrated Wayfinding

Colour, Materials & Finishes

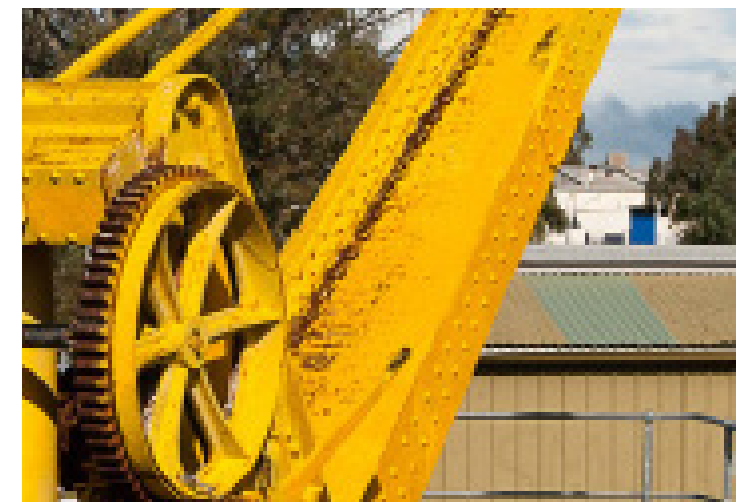
Colours, materials and finishes used throughout the wayfinding signage have the opportunity to come from distinct parts or structures. This includes the heritage bridges, wharf and rail precincts.



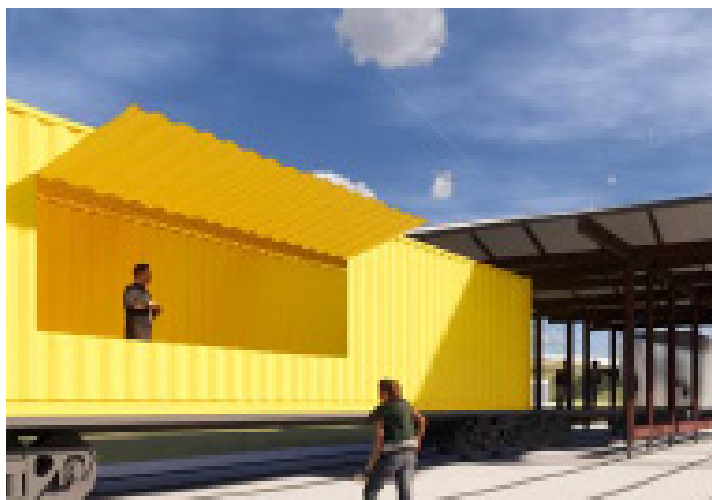
Yellow highlight to link shipping containers and Murray Bridge branding colour



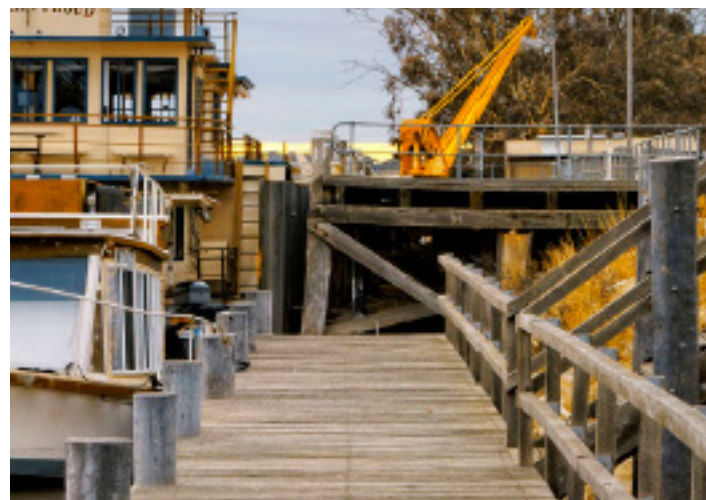
Riveted Steel / Galvanised Steel



Riveted Steel & Yellow Highlight colour



Yellow Highlight



Weathered Timber / Weathered Hardwood



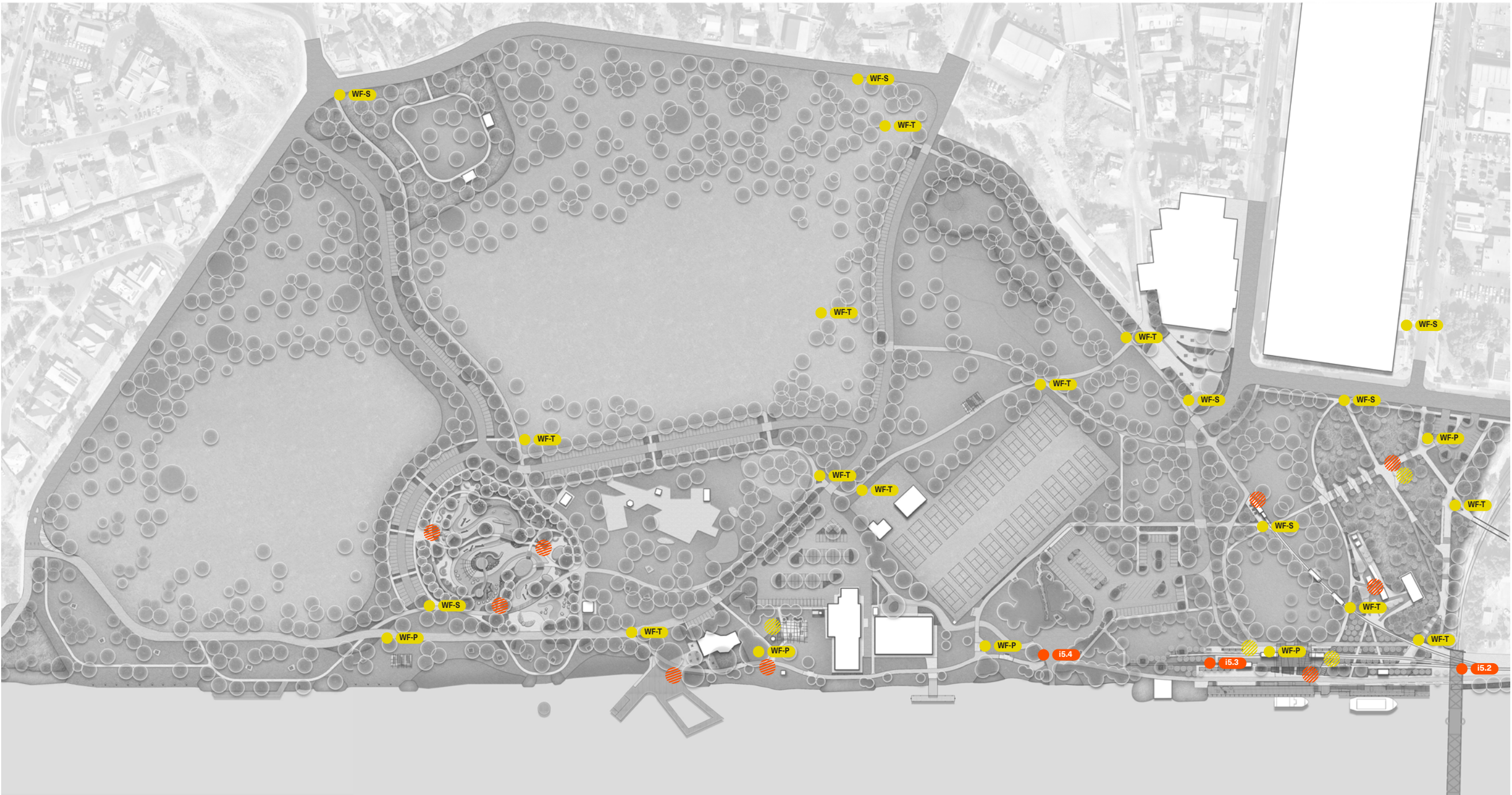
Rusted Steel

Supergraphics

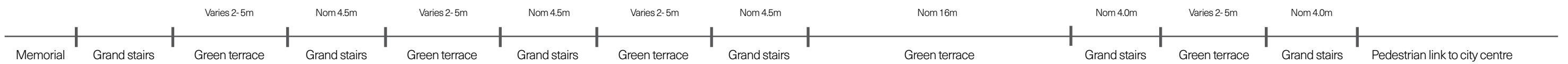
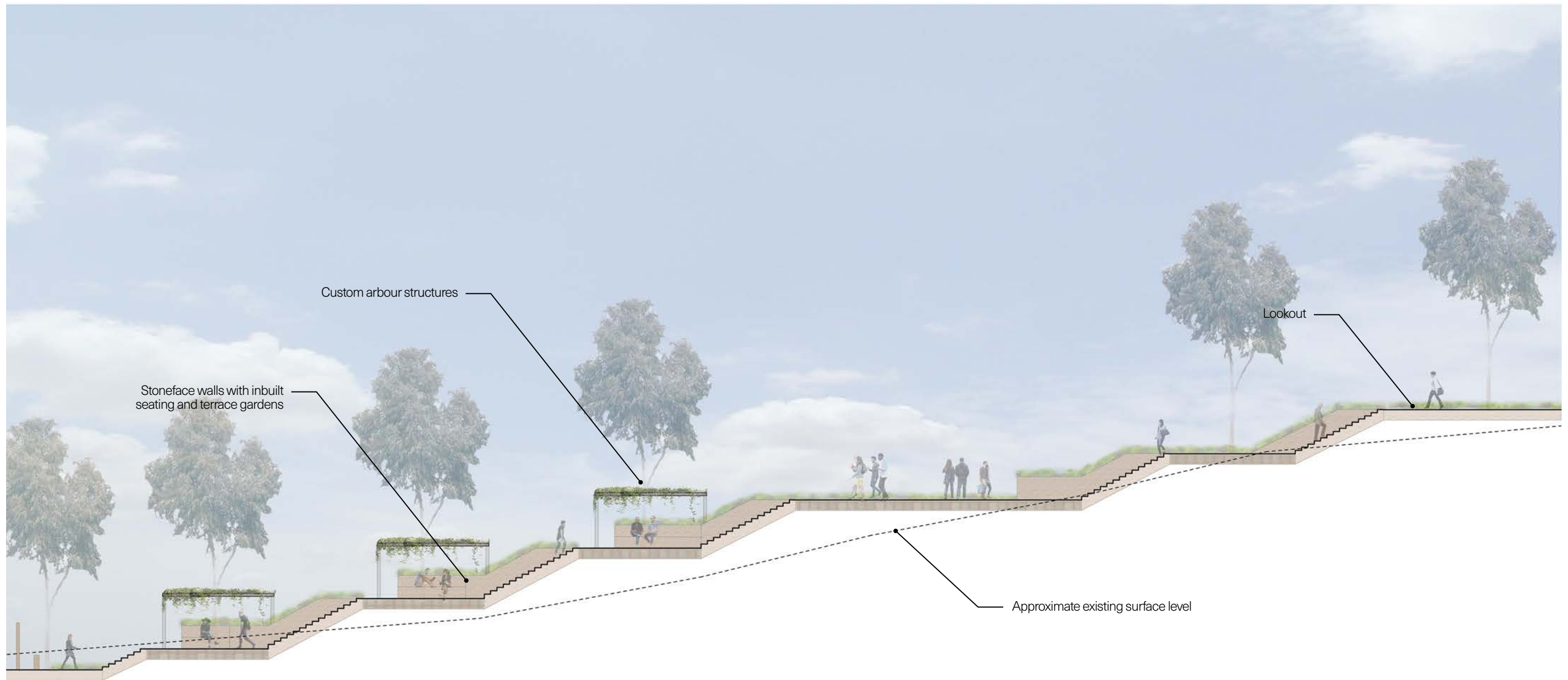
This theme of yellow supergraphics could also be applied to various parts of the structures / areas to help give different hierarchy to certain parts or to help the visitor know that they are in the right place.



Signage Implementation Layout Plan



KEY	
	Interpretation Plinth
	Integrated Interpretation
	Wayfinding Signage
	Integrated Wayfinding



SECTION A-A'

Scale 1: 100 @ A3

View from Proposed Grand Stairs



Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

Structural Elements

The Sturt Reserve riverfront has a number of existing excellent historical elements that can and should inform the design of any new elements that are inserted into the context. New elements must be designed in such a way as to compliment the existing infrastructure.



Dynamic Objects



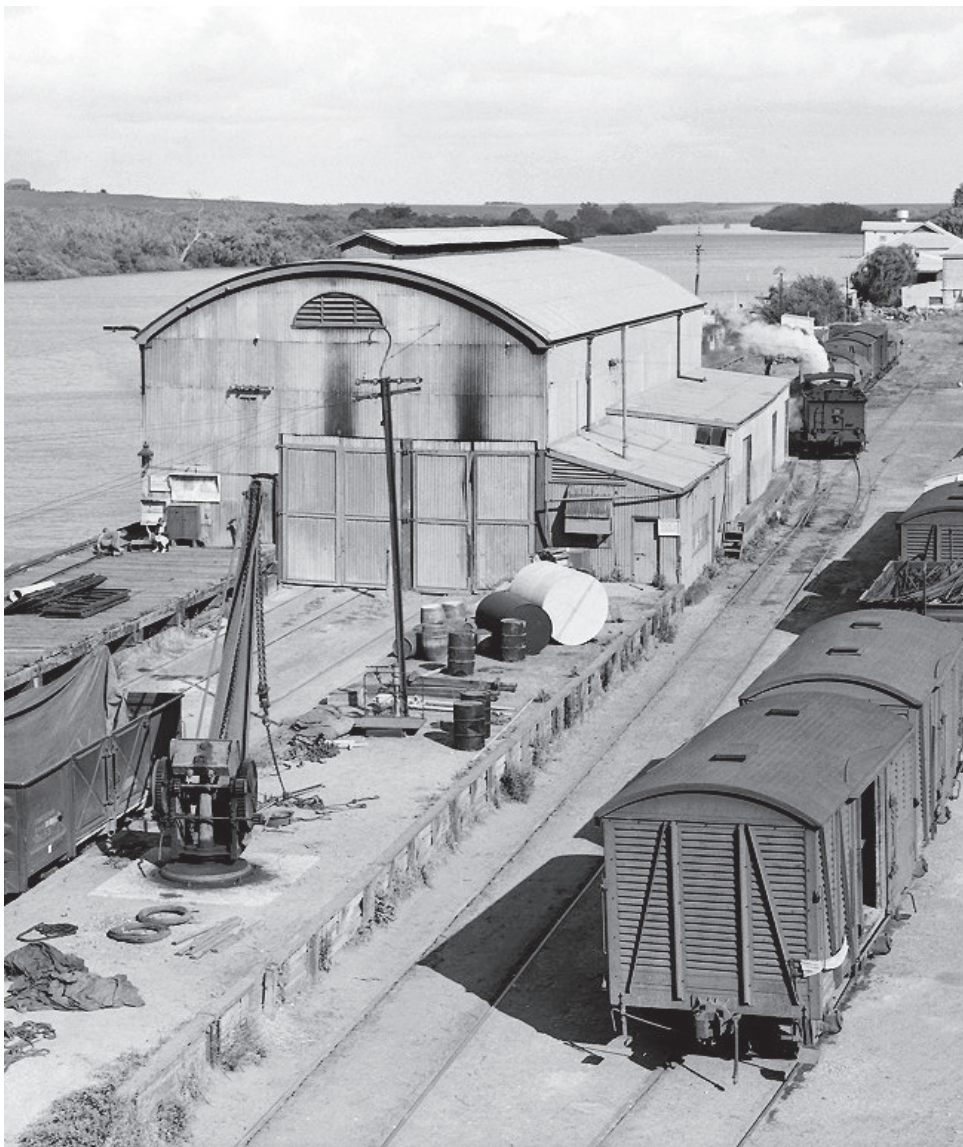
Timber



Bridge Truss

Site Narratives

Along with the existing historical elements that remain on the riverfront there are a number of ‘lost’ stories of the site that can be retold and reinterpreted through the insertion of any new design elements.



Riverfront Structures

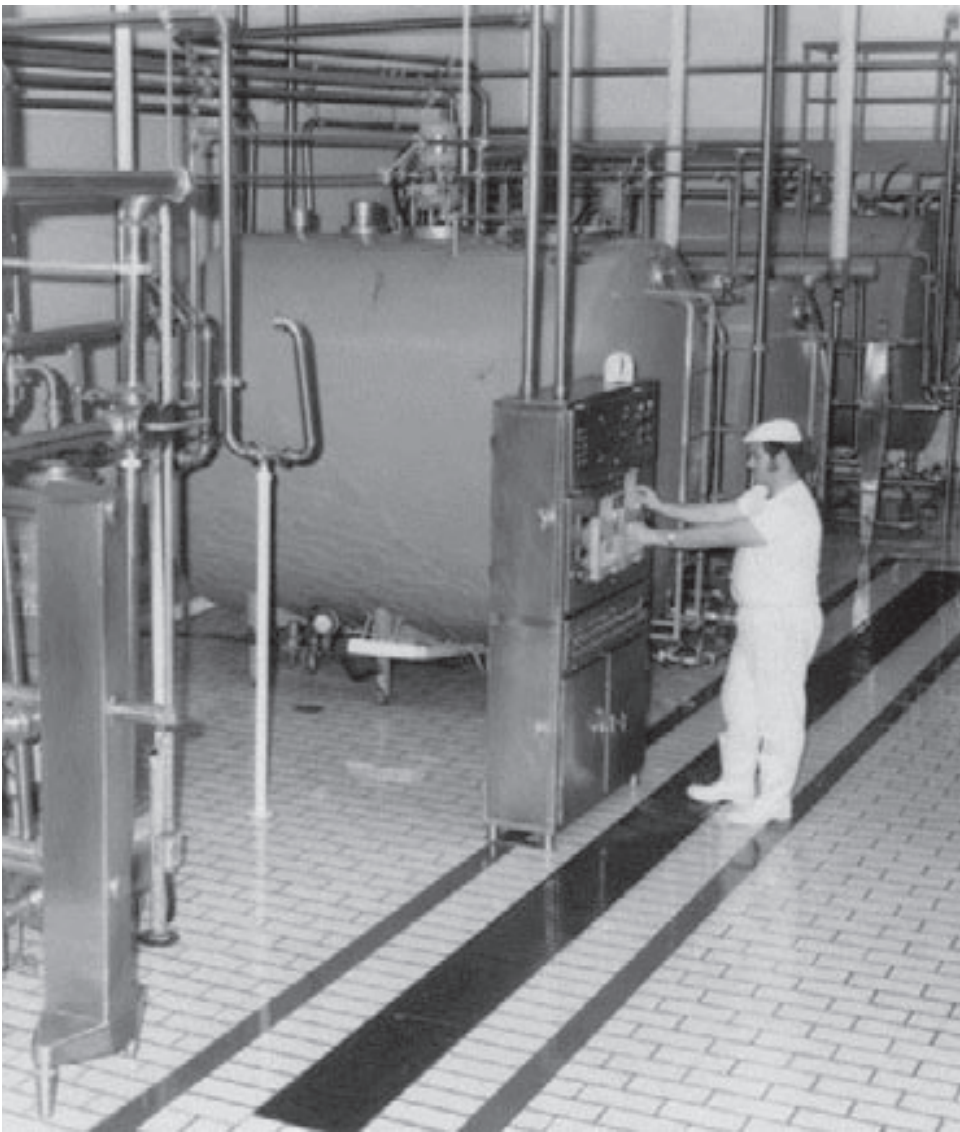
Sturt Reserve | Master Plan Design Development

ASPECT Studios

TERROIR

mu||oway

Urban&Public



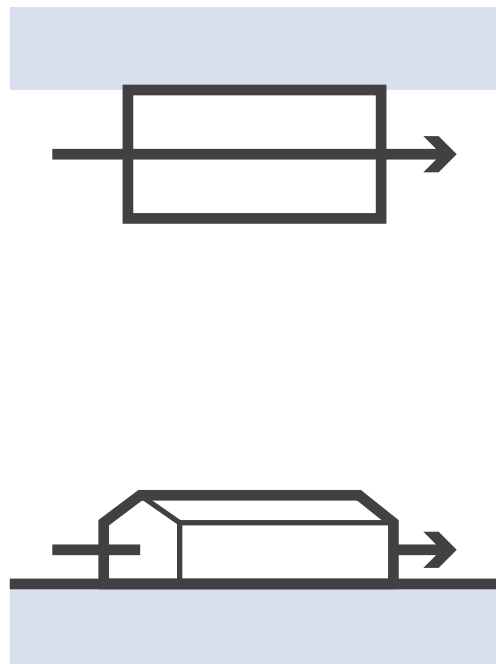
A Functioning Riverfront



Weaving Culture

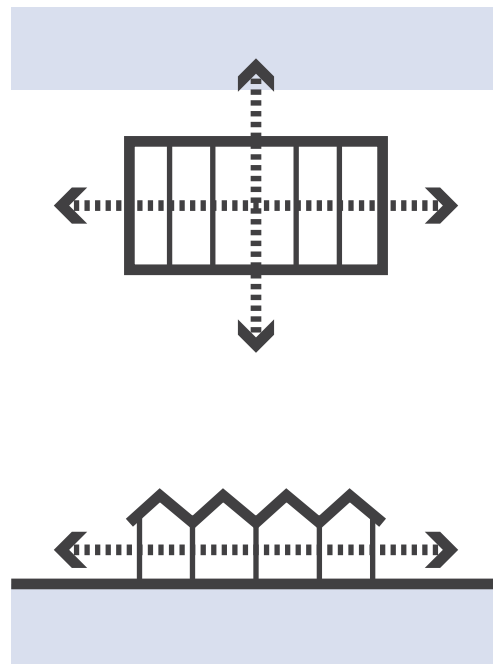
Structures Concept

Weaving the Site Narratives Together



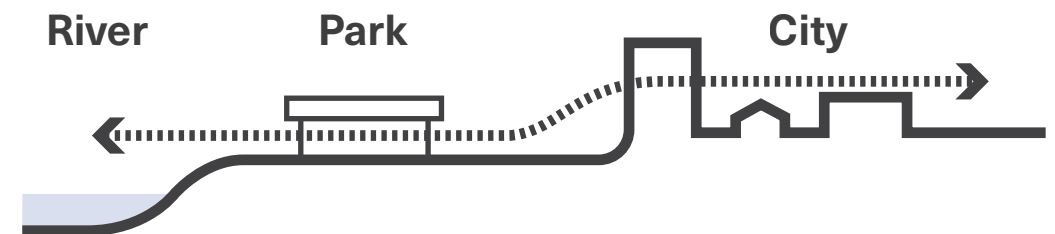
Transport Focus

The former structures were designed for boats and trains, organising flow parallel to the river front



People Focus

New structures should reorient to allow more fluid connections to and from the river and along the riverfront



River to Park to City

An open modular structure will mediate between river, park and city, whilst providing shelter and activity

Structures Concept



Roof

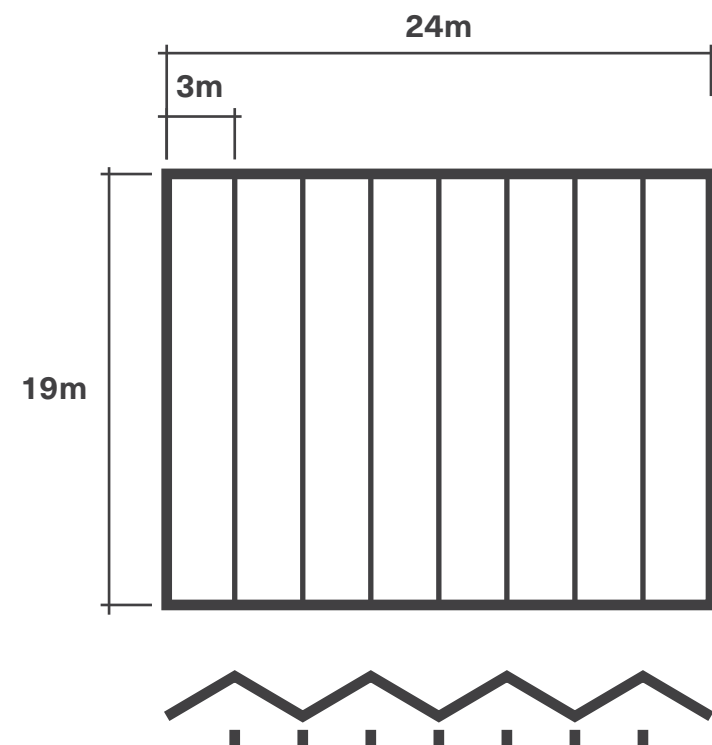
Structure

Modular Infill

Integrated Site
Narratives

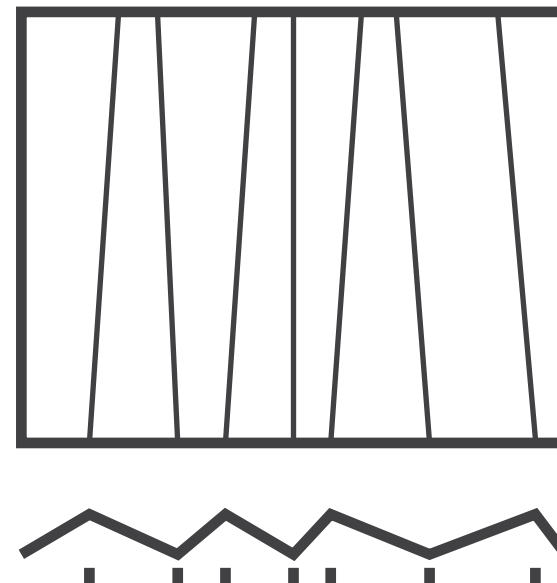


Design Development Process



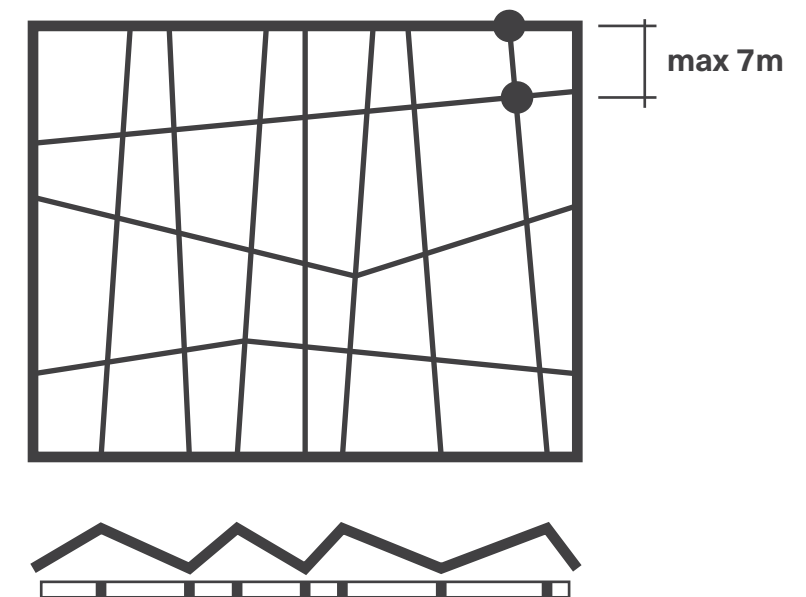
1. Roof Layout

Extent of canopy cover constructed of lightweight metal framing, polycarbonate roof sheeting and solar arrays.



2. Shift Points

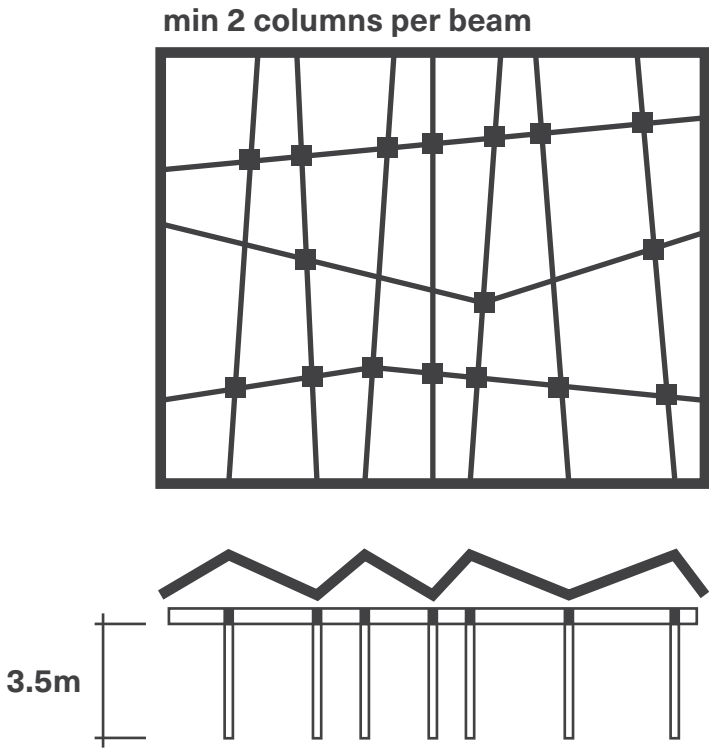
Based on context and connections



3. Cross Beams

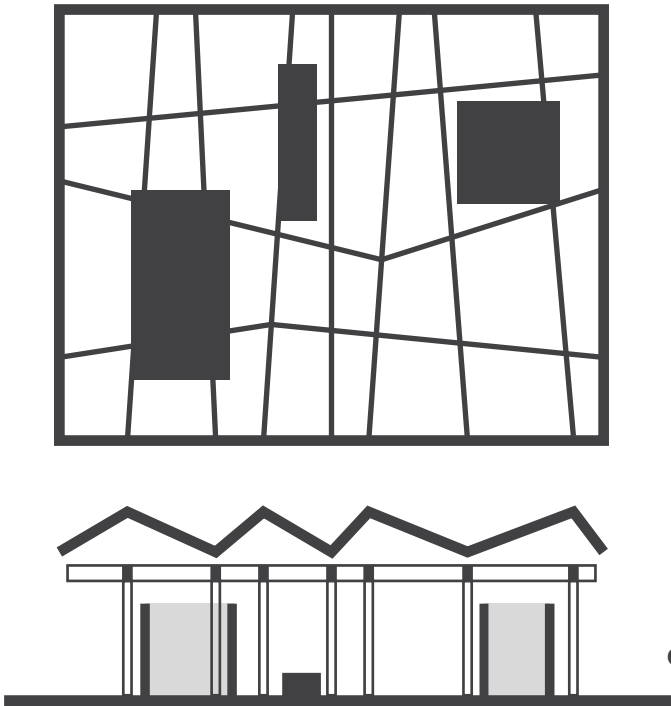
Based on context, connections and structural requirements

Design Development Process



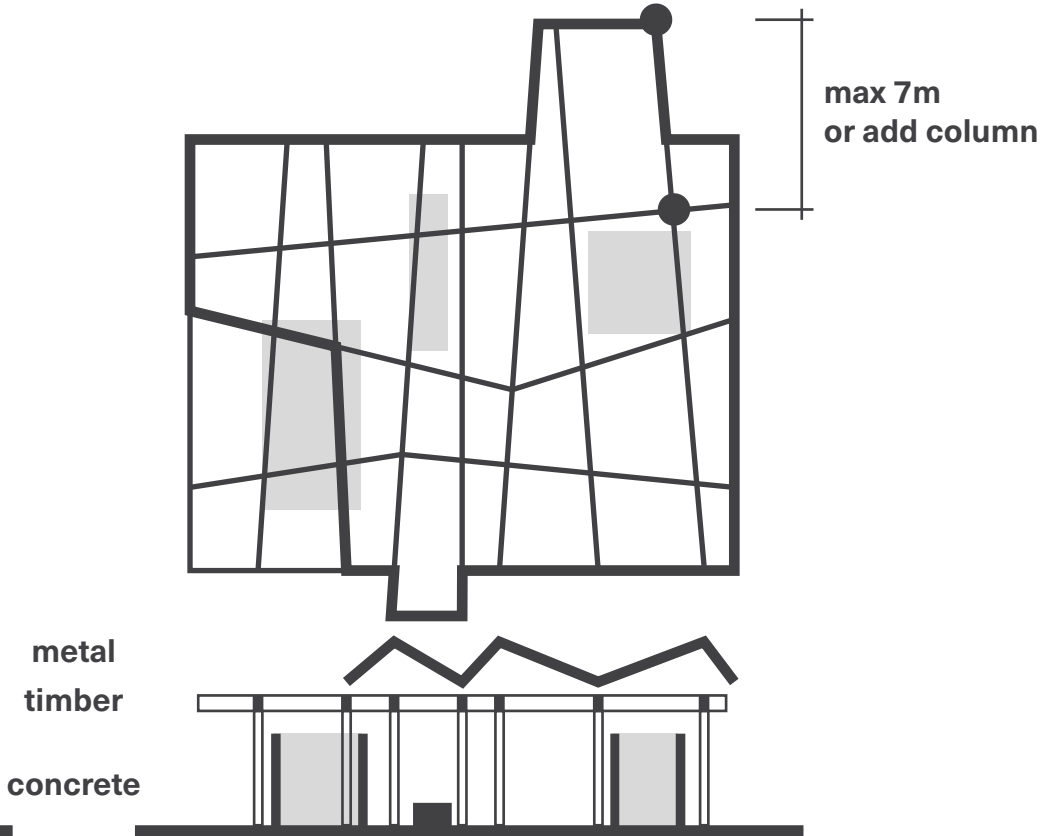
4. Columns

Provide vertical structure



5. Amenities

Program follows form using a heavier material to ground it as part of the public domain



6. Extension

Remove or extend canopy cover to create more shade or expose structure for wall creepers and planting

Material Precedents

With a developed design concept for the site structures a number of material possibilities are available to suit budget and timeframes. Further detailed integration of wayfinding, site histories and narratives can be incorporated



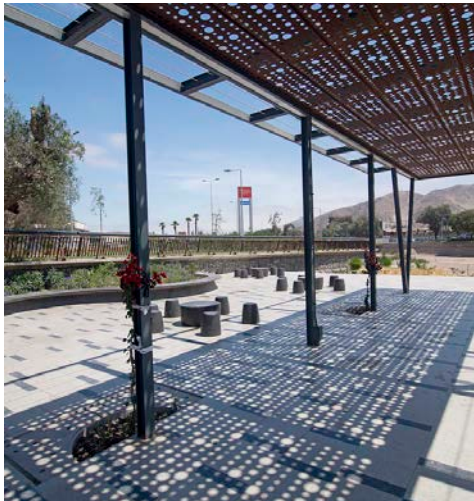
Habitat Recreation Centre
Byron Bay, Australia
DFJ Architects



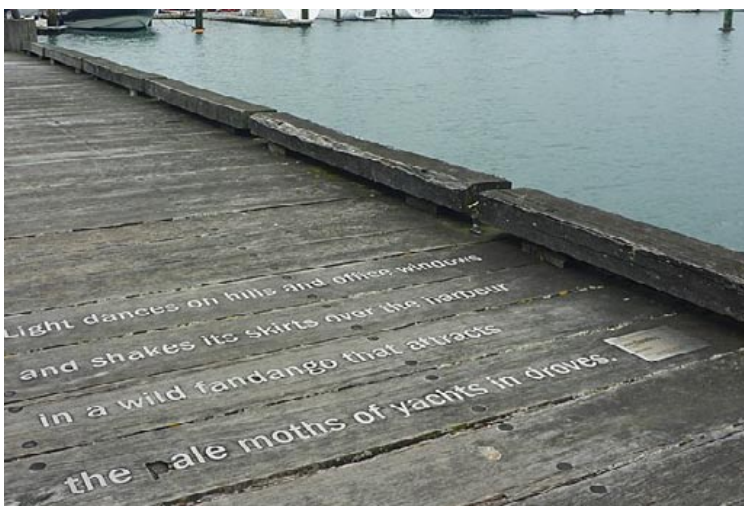
Tucson Audubon's Paton Center for
Hummingbird's Wildlife Pavilion
Patagonia, USA
DUST Architects



Kaukari Urban Park
Copiapó, Chile
Teodoro Fernández Arquitectos



Engravings



Inlaid Text



Dappled Light



Play Precinct

Play Precinct - A Discovery Labyrinth



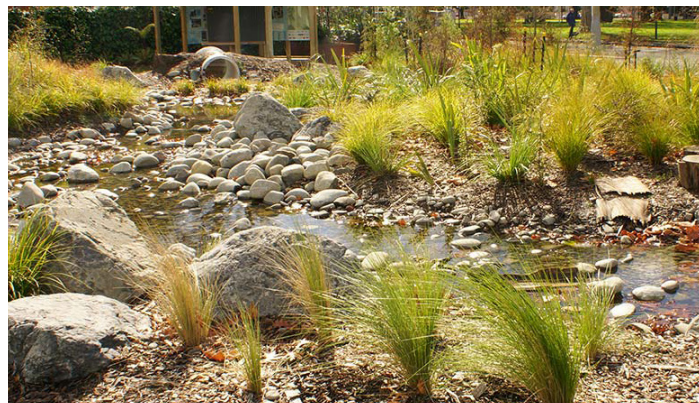
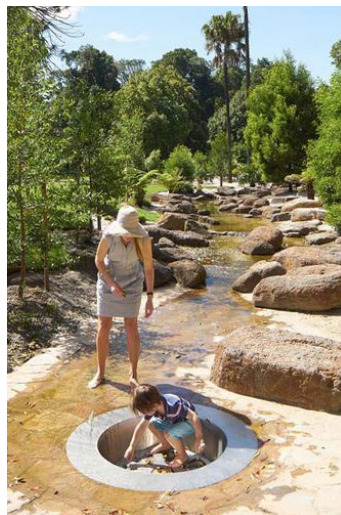
- KEY**
- 1. Toilet / changing facilities
 - 2. Car parking
 - 3. Playspace entry
 - 4. Seating / picnic
 - 5. Ngurunderi's spear
 - 6. Ngurunderi's footprints
 - Possible water play splash pad
 - 7. Mound
 - Vegetation & nature play
 - 8. Play sculpture
 - Possible native bird
 - 9. Play sculpture
 - Possible eggs
 - 10. Play sculpture
 - Possible murray cods
 - 11. Play tower
 - With lookouts, ramp, tube slide, cargo net etc
 - 12. Sand & water play
 - 13. Dry creek
 - With nature play elements, including rocks, logs & plants
 - 14. Buffer planting
 - 15. Bridge crossing
 - 16. Climbing wall
 - 17. Shared-use Path
 - 18. River Pool
 - 19. Watercraft Landing
 - 20. Service Vehicle & Pedal Prix Access Only
 - 21. Riverbank Improvements
- (All references to Ngarrindjeri culture subject to NRA engagement)

Play Precinct

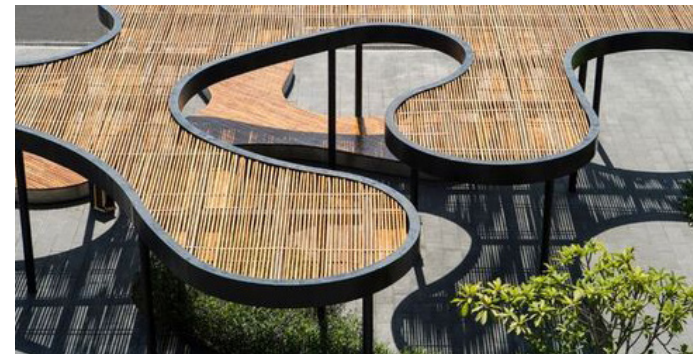


Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

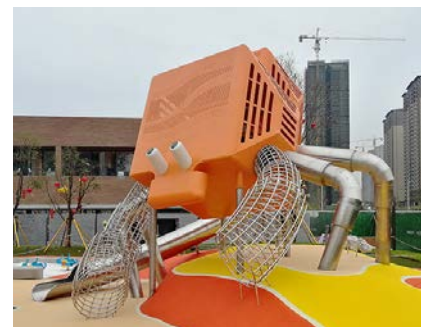
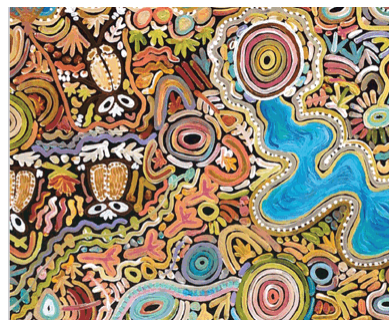
Water Play



Shelter Structures & Furniture



Sculptural Interpretation & Interactive Play



Adventure Play



River Play Precinct

New river play facilities are proposed to be pontoon structures or similar, suitable for lightweight watercraft only with minimal impact on the environment & subject to feasibility



Artist's impression only. Final design subject to Ngarrindjeri & RCMB engagement

Signage Overview

The following options make use of:

- Consolidating the scale and materiality of signage to create a more cost-effective solution.
- Using colour to create a distinct wayfinding language and differentiate from interpretive and municipal

Refer to Sturt Reserve Signage Analysis & Wayfinding Strategy (Urban & Public, 2020) for more information



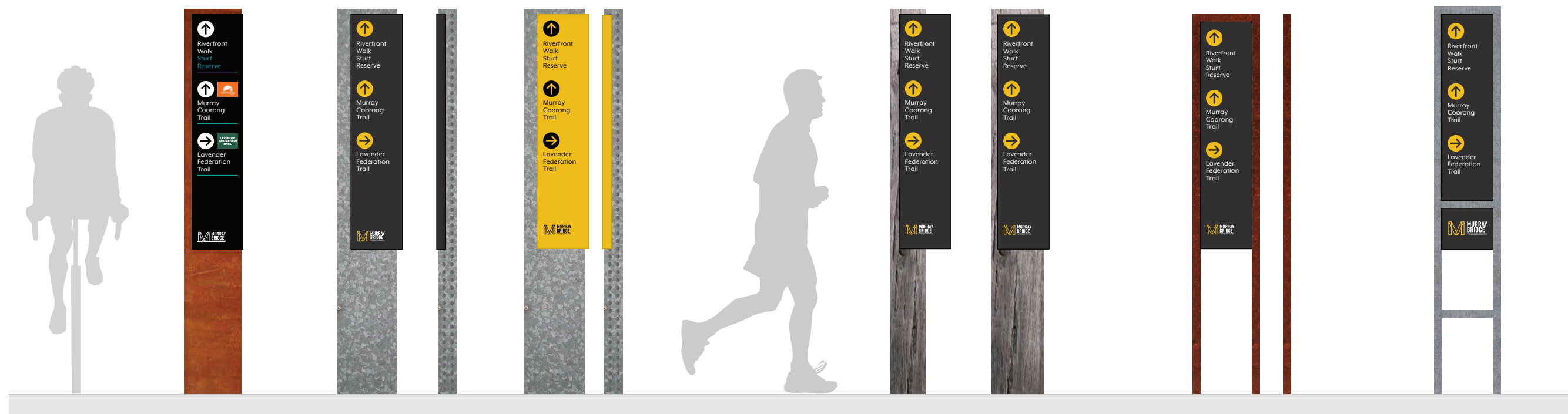
WF-P - Primary Wayfinding - Site Identification



WF-P - Primary Wayfinding - Mapped Plinth



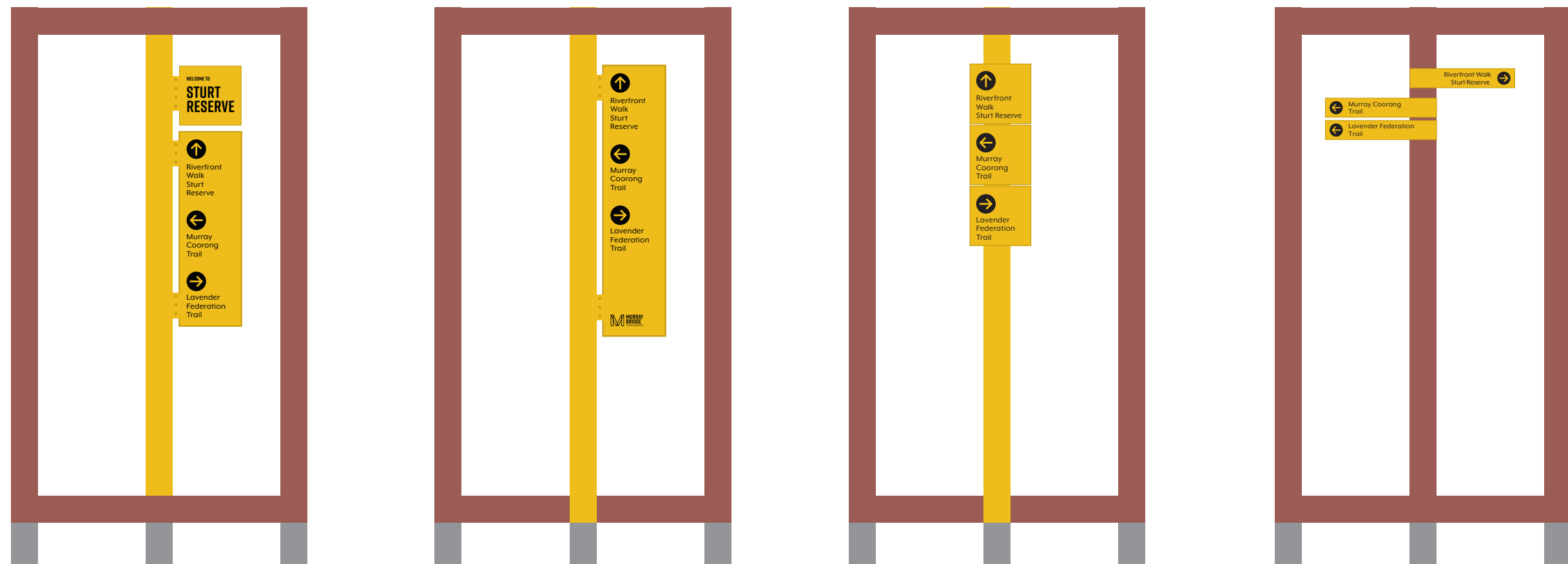
WF-S - Secondary Wayfinding - Trail Directional



WF-S - Secondary Wayfinding - Co-Located Directional

The following option makes use of:

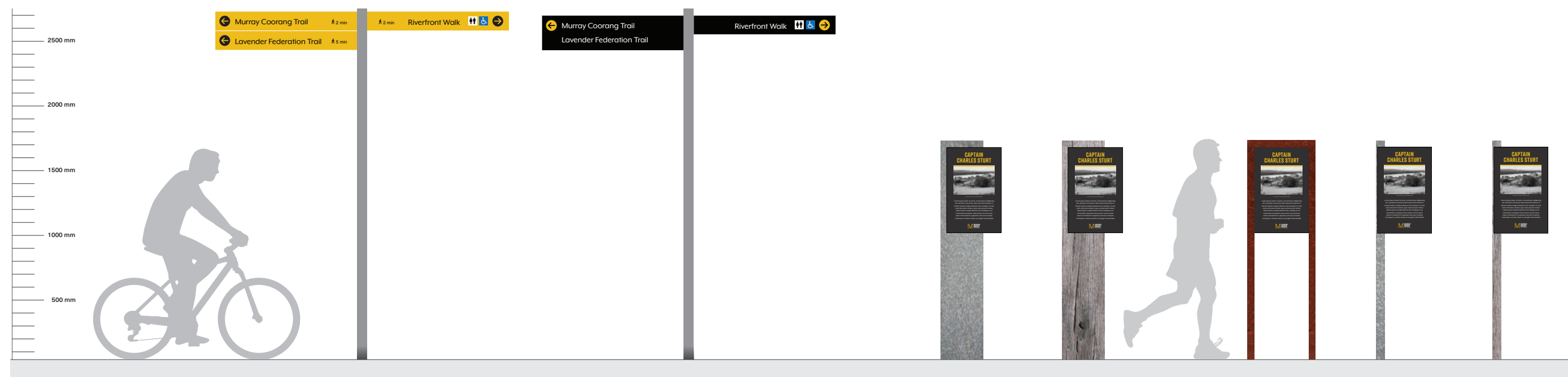
- Integrating new signage into existing infrastructure as a cost effective approach.



WF-T - Tertiary Wayfinding - Trail Marker



WF-T - Tertiary Wayfinding - Fingerpost

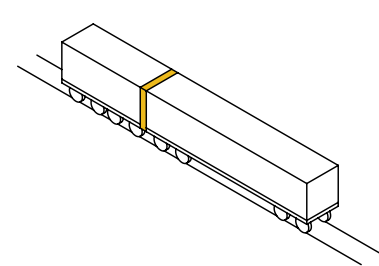


i5 - Interpretive Plinth

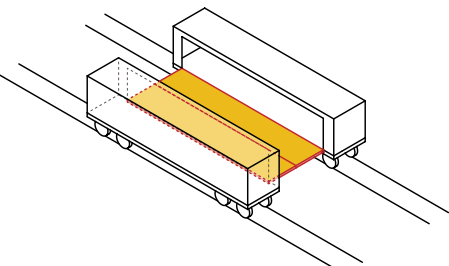
Shipping Containers

Yellow graphics could also be used in the connection and circulation parts of the shipping containers. Graphics such as arrows or text could also be applied to this.

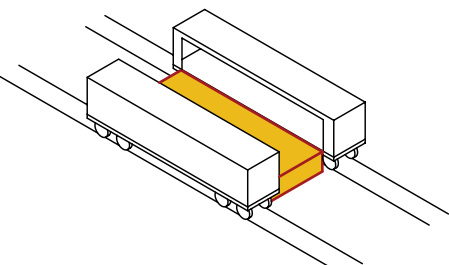
Connection



Short Edge Opening

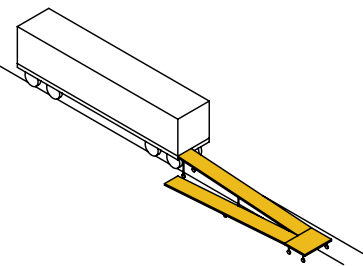


Long Edge Opening

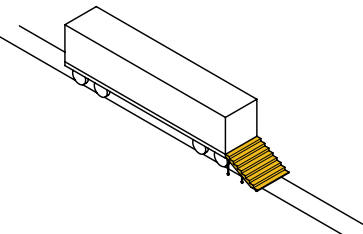


Platform

Circulation



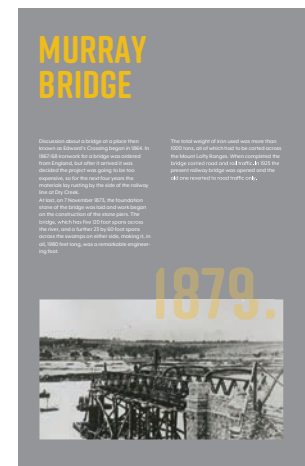
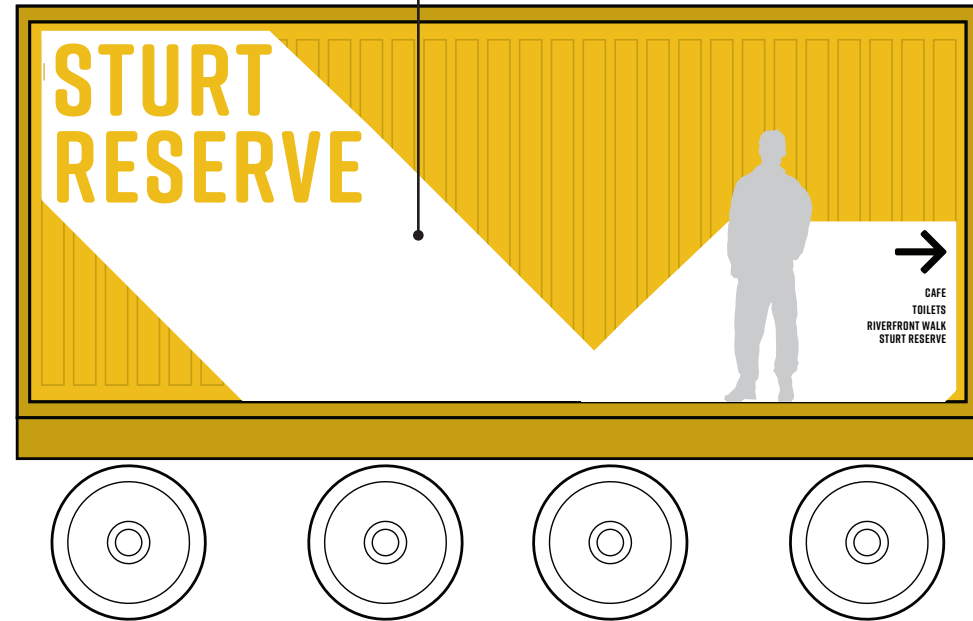
Mobile Ramp



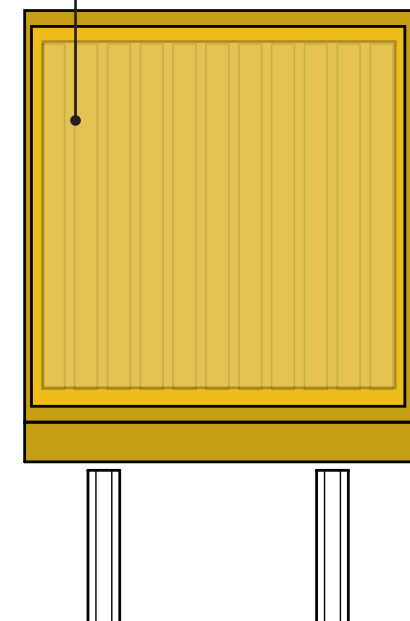
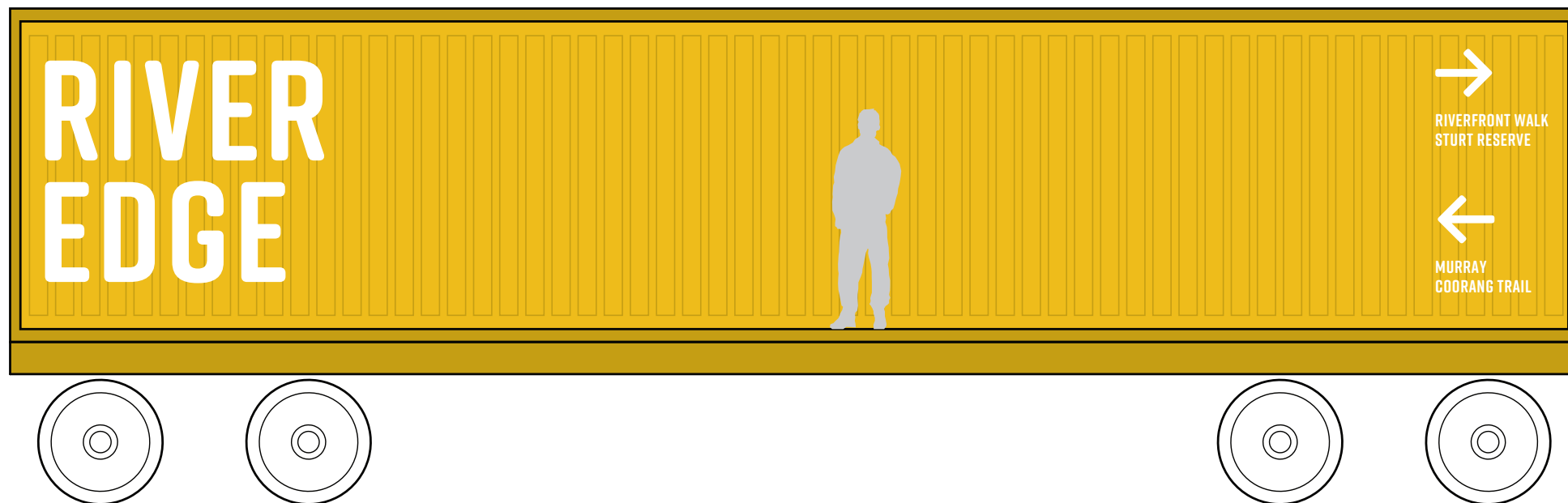
Mobile Stair



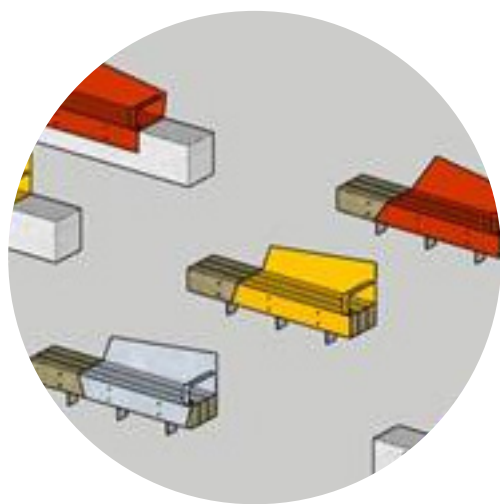
Opportunity for
a consistent
shape to be used



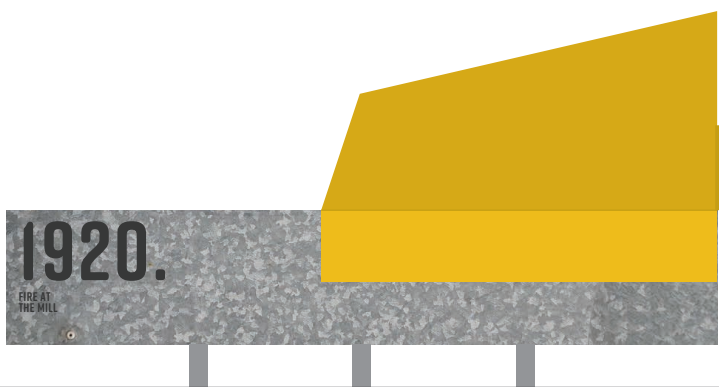
Opportunity
for
interpretive
signage



Infrastructure Integration



Opportunity for
interpretive signage
to be used on



Etched name into
concrete bench
instead of using



Public Art Precincts Plan



KEY
Public Art

Play Precinct Landmark

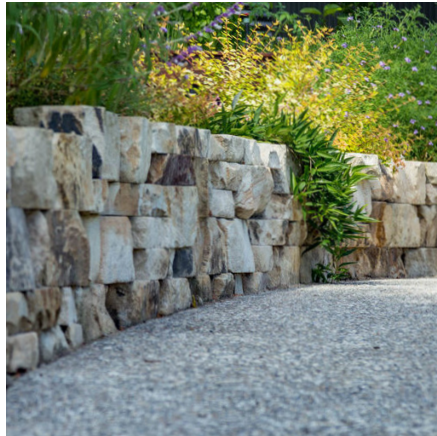
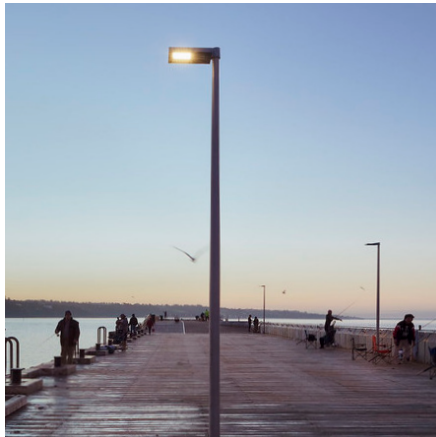
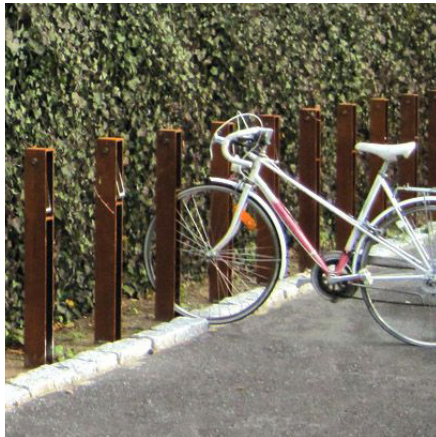
Sturt Reserve Entry Node

Murray Cods Tribute

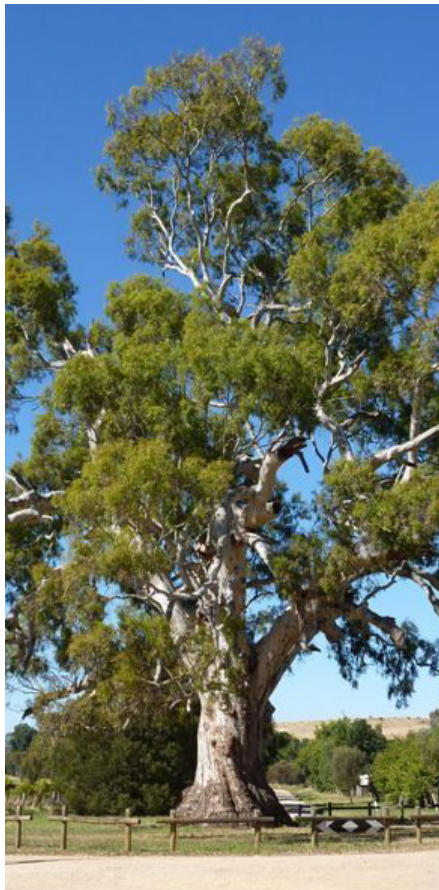
Mobilong Wharf



Furniture, Fixtures & Materials Palette



Suggested Planting Palette



An architectural rendering of a waterfront park and boardwalk. The scene is viewed from an elevated perspective. In the foreground, a wide wooden boardwalk runs along a body of water. On the left, a yellow tram or bus is stopped at a station. A small white shelter with a bench is also on the boardwalk. To the right, a person is kayaking in the water, and a white boat is docked. The background features a lush green park with many trees, a large white bridge, and a blue sky with scattered clouds and birds. A semi-transparent white box with the text "Realising the Master Plan Vision" is centered over the middle of the image.

Realising the Master Plan Vision