

ACTON WATERFRONT PARK

OPTION D SKETCH PLAN DESIGN REPORT

18.08.2023

REV. 02

We acknowledge the Ngunnawal people, the traditional custodians of this land and recognise their continuing connection to land, waters and culture.

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

The project team are guided by the inspiration of Country, the stories and knowledge this place contains and has to teach. We acknowledge its contribution to well-being both mental and physical, providing a refuge and safe place to learn and share.



CONTENTS

BACKGROUND

Background documents	6
Background documents	7
Project vision	8
Where is acton waterfront park	9
Recent and future projects of influence	10
Staging of acton waterfront park and context	11

COMMUNITY ENGAGEMENT

Community consultation process	14
What have we heard to date?	16
What we heard first nations engagement	17
Community feedback	18

SITE ANALYSIS + OBSERVATIONS

Layers and connections - ngunnawal country	22
Layers and connections - griffin legacy	23
Places of significance	24
Connecting with ngunnawal country	25
Ngunnawal narratives	26
Waterfront interfaces	27
Site images	28
Site images	29
Existing conditions + constraints	30
Opportunities	31
Key views	32
Key connections	33

PRINCIPLES, KEY MOVES AND STRATEGIES

Design principles	37
Strategies	40
Strategies - water	42
Strategies - country	44
Strategies - habitat	48

LANDSCAPE CONCEPT OPTION E

Landscape concept plan	53
Concept framework	54
Concept framework	55
Ngunnawal country	56
First nation narrative	57
Typical section boardwalk to future development	58
Typical section	58
Levels and access	59
Circulation and access	61
Measures of success	62
Measures of success	63

OPTION D FOR NCA WORKS APPROVAL

Option d for nca works approval	66
Circulation and access	67
Typical section acton waterfront park to existing carpark	68
Typical section	68
Levels and access	69
Furniture palette	70
Material palette	71
Arrival	73
Community park	85
Play space	95
Play space - water play zone	107
Play space - adventure play zone	111
Plaza	119

STAGING OPTION D

Staging option d	130
Stage 1a- temporary works	131
Planting palette	132
Stage 1a- planting	133
Grassland species	134
Grassland species	135
Grassland species	136
Typical section	138
Typical section acton waterfront park to existing carpark	138
Levels and access	139

STAGING OPTION D

Artwork Precedents	139
Artwork Opportunities	140

BACKGROUND

TABLE OF CONTENTS

CONTENTS 3

BACKGROUND DOCUMENTS 6

BACKGROUND DOCUMENTS 7

PROJECT VISION 8

WHERE IS ACTON WATERFRONT PARK 9

RECENT AND FUTURE PROJECTS OF INFLUENCE 10

STAGING OF ACTON WATERFRONT PARK AND CONTEXT 11

BACKGROUND DOCUMENTS



West Basin Guidelines (2014)

The NCA will ensure West Basin is planned, designed and developed as a **distinctive, urban waterfront precinct** that embodies the best of contemporary Canberra, builds on its history and incorporates spaces and activities that ensure its ongoing success. Urban Design features outlined include;

A generous waterfront parkland activated by a complementary mix of uses, activities and events

An integrated, permeable network of well-designed public spaces, paths and streets that support vibrant public life and high connectivity



Acton Waterfront Place Plan (2020)

In 2006 the NCA amended the National Capital Plan to allow the city center to connect to the waterfront at West Basin. These amendments, which included the reclamation of approx 2.86h of lake bed to create a new public park, a lake wall and waterfront promenade on the Griffin's intended 1913 alignment. A Place plan captures the essence of the community values and provides guidance. Acton Waterfront Place Plan themes include;

- Theme 1- Respecting the Griffin Legacy
- Theme 2- Contemporary garden city
- Theme 3- Community Place
- Theme 4- Foreshore for people
- Theme 5- Connections as journeys



2025 Strategic Plan (2019)

Government has an ambition to strengthen the social and economic vibrancy of the defined City Renewal Precinct. The Strategic goal are distilled in the following goals;

Goal 2- Curate high-quality places and precinct development, taking a people-focused and design-led approach

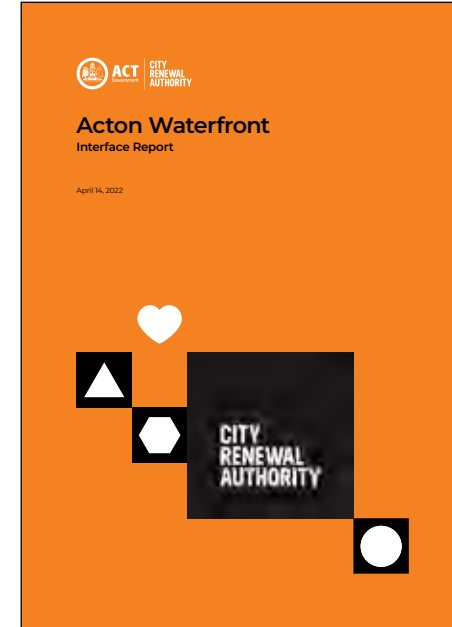
Goal 3- Apply robust and innovative social and environmental sustainability principles and programs to underpin precinct-wide renewal



Sustainability Strategy (2021)

This strategy sets out our expectations for social, environmental and economic sustainability outlines in the Precinct with focus on;

- Resilience and climate-wise design
- Social and economic vibrancy
- Sustainable use of resources
- Healthy active living and travel



Acton Waterfront Interface (2022)

The Interface Report outlines the proposed urban framework for Acton Waterfront and describes the interface conditions to the new waterfront park. Influences to the Waterfront Parkland include;

- View Corridors
- Landscape and Built Form
- Waterfront Boulevard



Raising London Circuit Environmental Assessment (2021)

The project is proposed as one of a series of major projects being planned and delivered in a coordinated way. The need for the Project is underpinned by several significant strategic roles

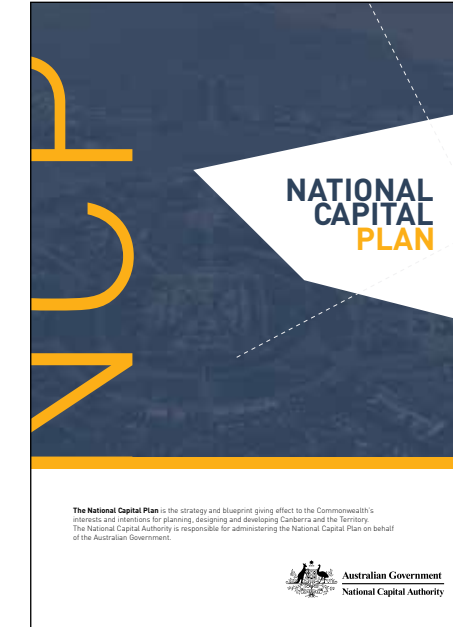
Directly facilitate other major projects (Extension of Light Rail network)

Contribute to future proofing transport network through infrastructure that response do needs and provides capacity for future growth

Well-time and coordinated with delivery of other major projects for economic efficiency

Provide for improved urban design and amenity outcomes

BACKGROUND DOCUMENTS



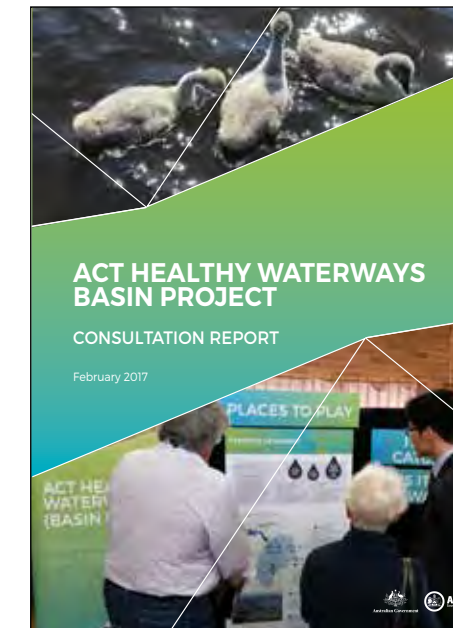
National Capital Plan (2021)



The Griffin Legacy (2004)



Acton Peninsula Precinct Structure Plan (2017)



ACT Healthy Waterways Basin Project (2017)



ACT Planning Strategy (2018)



ANU Acton Campus Master Plan (2019)

PROJECT VISION

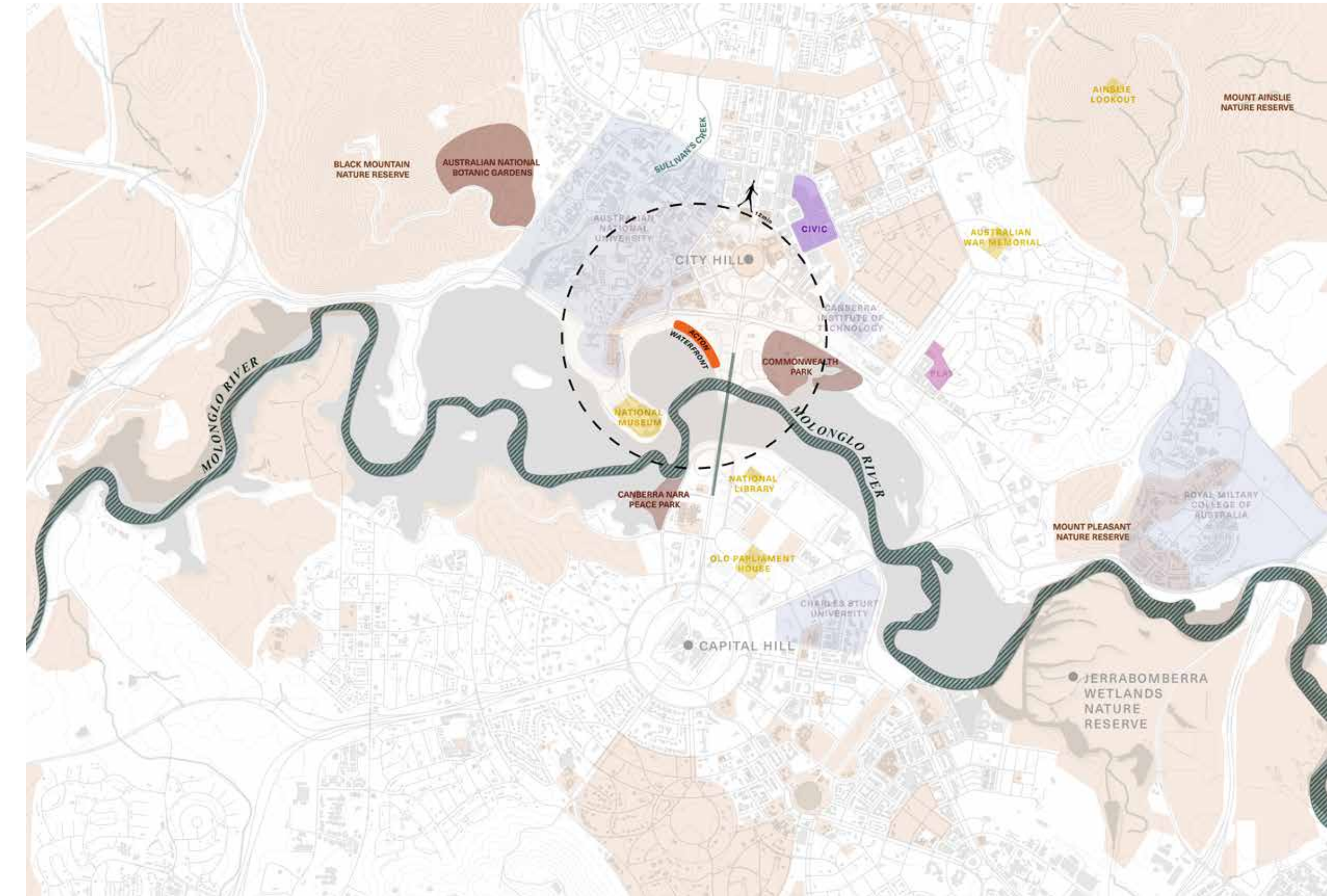
Acton Waterfront Park is a destinational park on Lake Burley Griffin and alongside of Commonwealth Bridge. A park that will be the heart of a urban precinct to be used everyday of the year.

Within this unique context acton waterfront park is reflecting the legacies of Griffin's plans for Canberra and celebrating Ngunnawal culture and Country. The park aims to complement the future development and to ensure strong connections to its surroundings and water.

Working with the community this park was designed and developed with considerations for all and creating the opportunity for a range of activity for the community.

It will become the urban heart of Canberra's waterfront with a unique public place with a broad mosaic of experiences and stories to support everyday experiences and civic celebrations.

WHERE IS ACTON WATERFRONT PARK



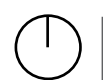
KEY NARRATIVES

Acton Waterfront Park

Canberra's Cultural Landscape

Molonglo River

Sullivan's Creek



0 0.5 1km

RECENT AND FUTURE PROJECTS OF INFLUENCE

PROJECTS

LIGHT RAIL STAGE 2

Expected construction commencement in 2022
Expected completion in 2028

RAISING LONDON CIRCUIT

ACTON WATERFRONT DEVELOPMENT

Expected to be delivered by 2025

NATIONAL MUSEUM OF AUSTRALIAN MASTER PLAN

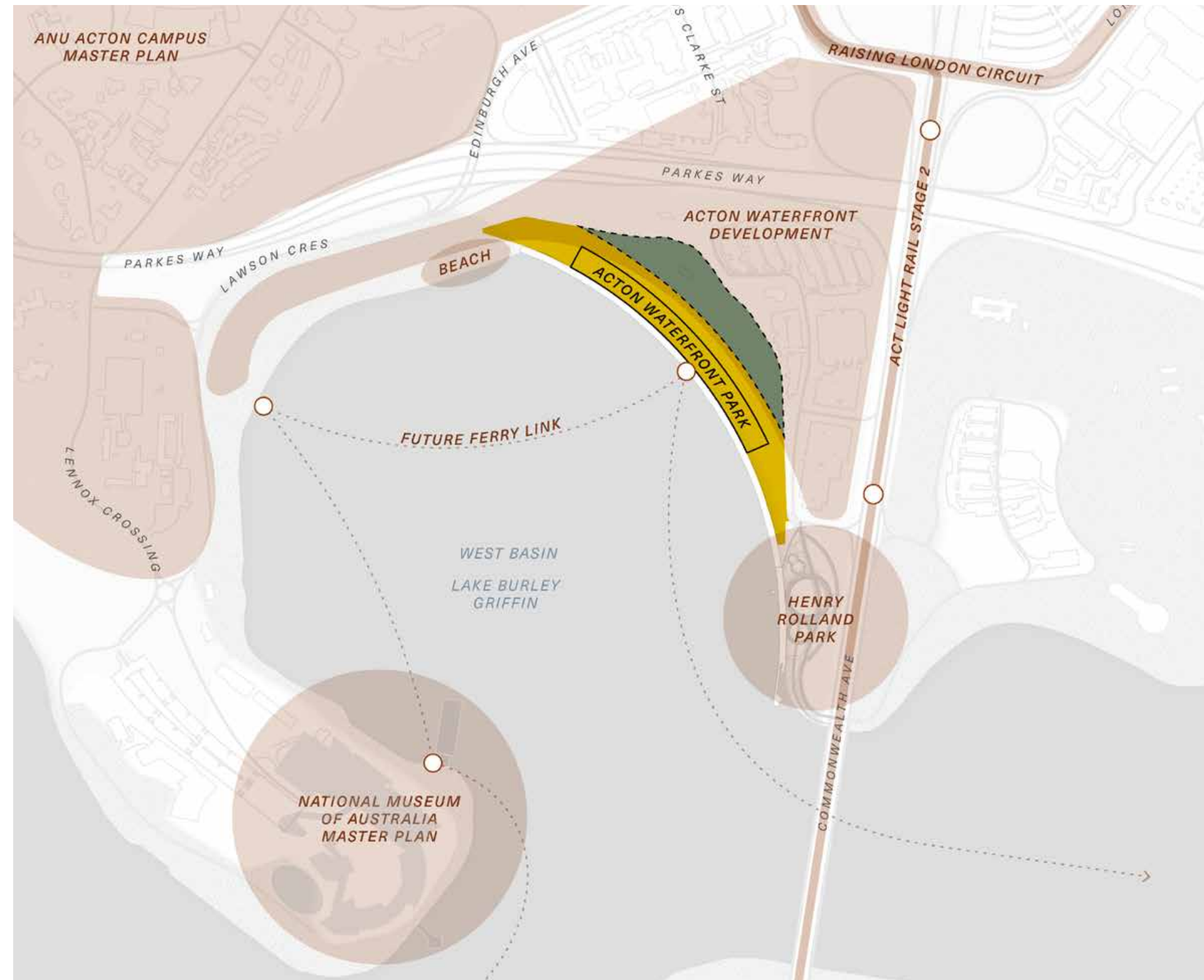
Expected to be delivered by 2023

HENRY ROLLAND PARK

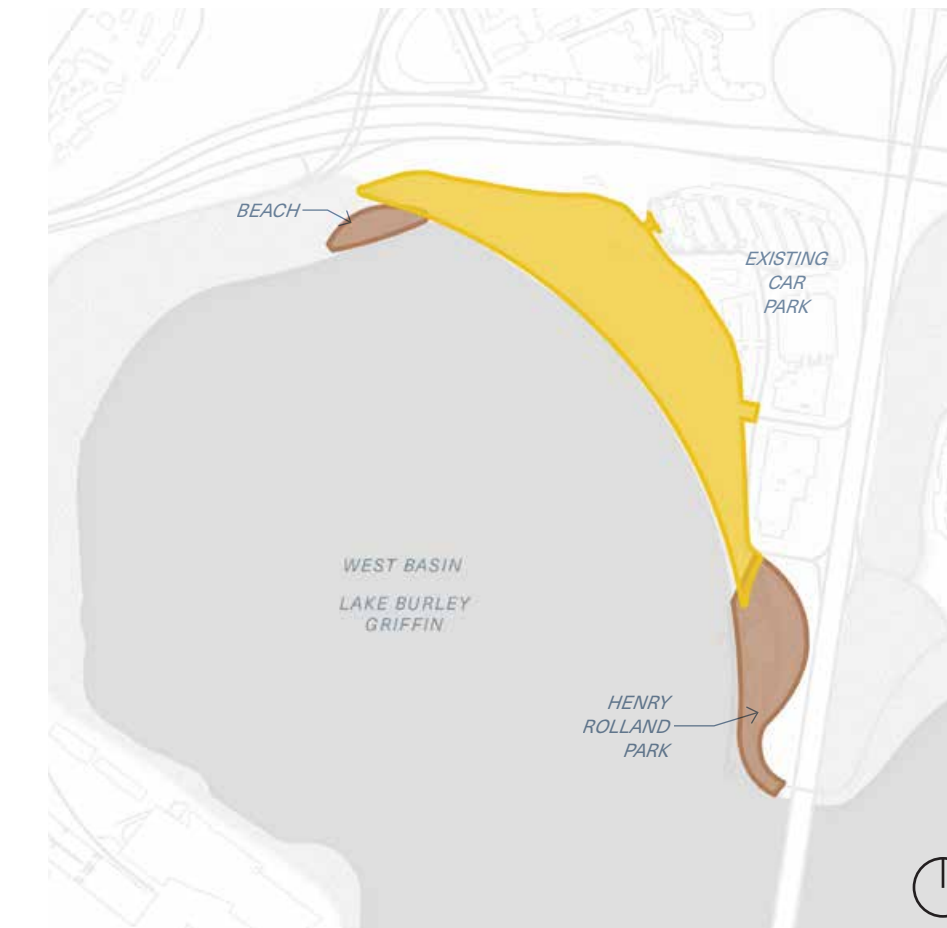
Completed April 2018

BEACH

Completed Aug 2022



STAGING OF ACTON WATERFRONT PARK AND CONTEXT

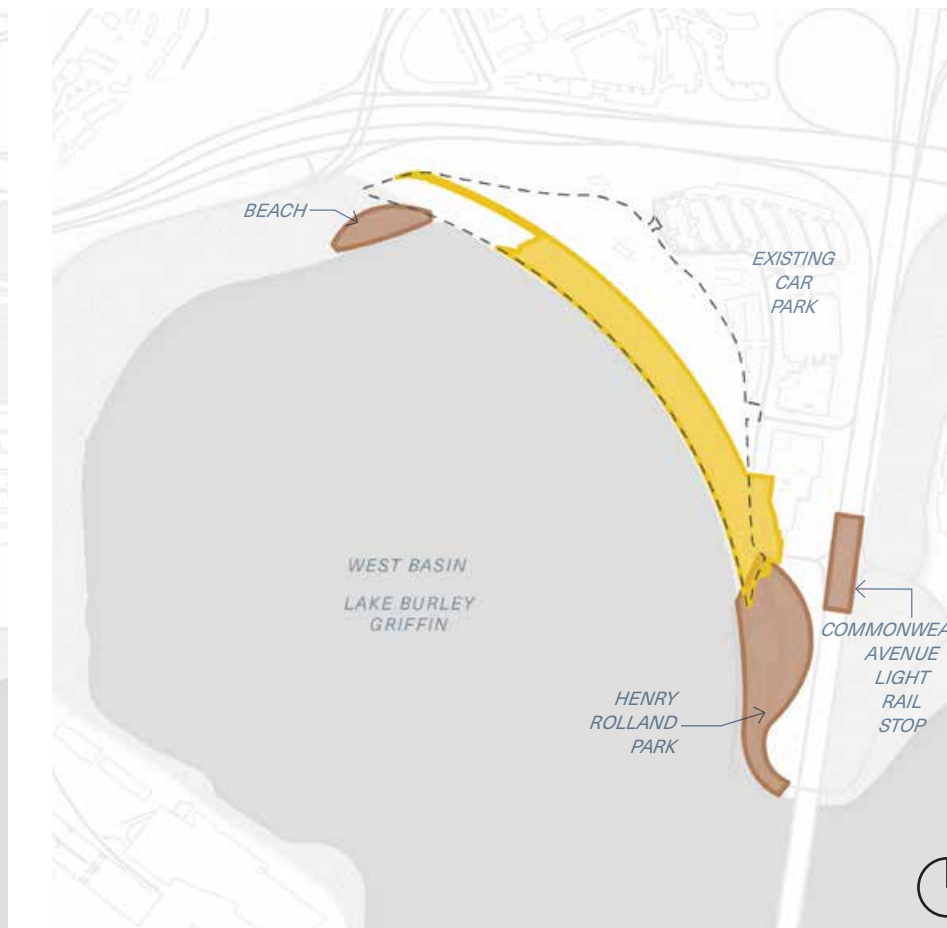


STAGE 1A

TO BE COMPLETED IN EARLY 2026

OPTION D- NCA APPROVAL

- Stage 1a
- Recent Completed Development

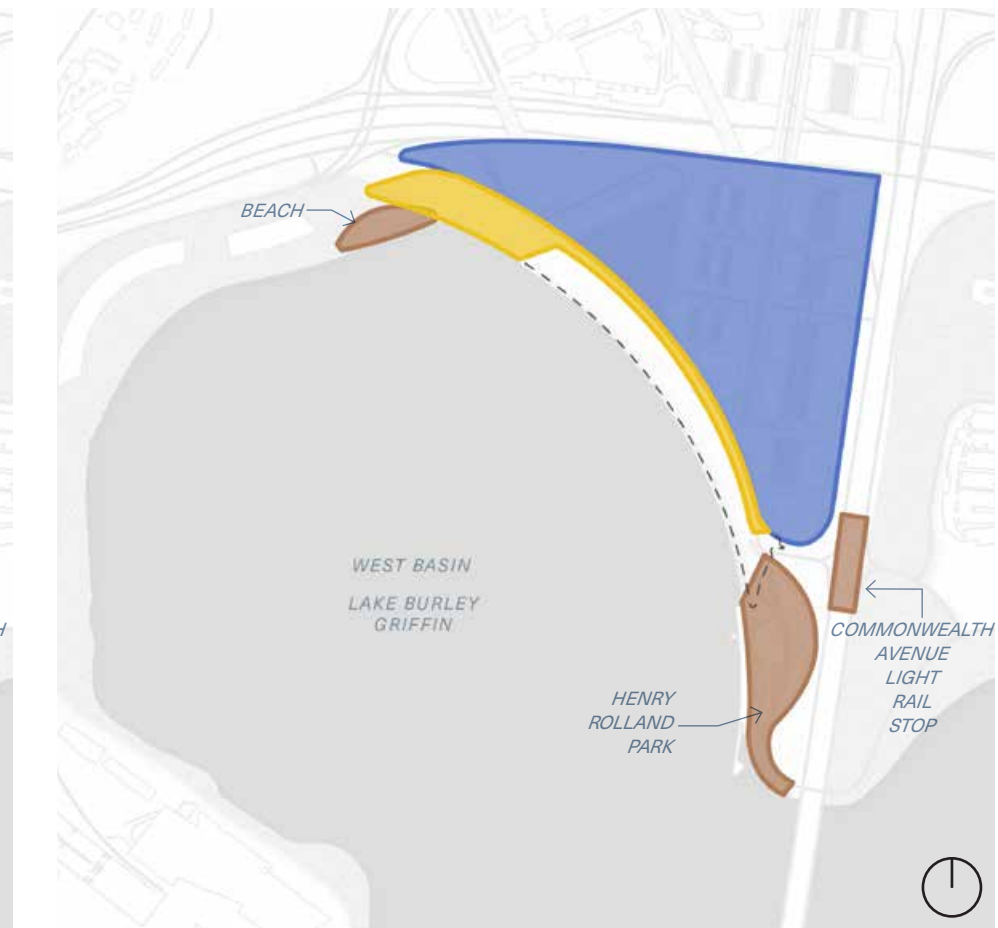


STAGE 1B

TO BE COMPLETED BY THE MIDDLE OF 2028

OPTION D- NCA APPROVAL

- Stage 1b
- Recent Completed Development



STAGE 2 - FUTURE WORKS

OPTION E

- Acton Waterfront Park
- Recent Completed Development
- Future Acton Development

COMMUNITY ENGAGEMENT

COMMUNITY CONSULTATION PROCESS 14

WHAT HAVE WE HEARD TO DATE? 16

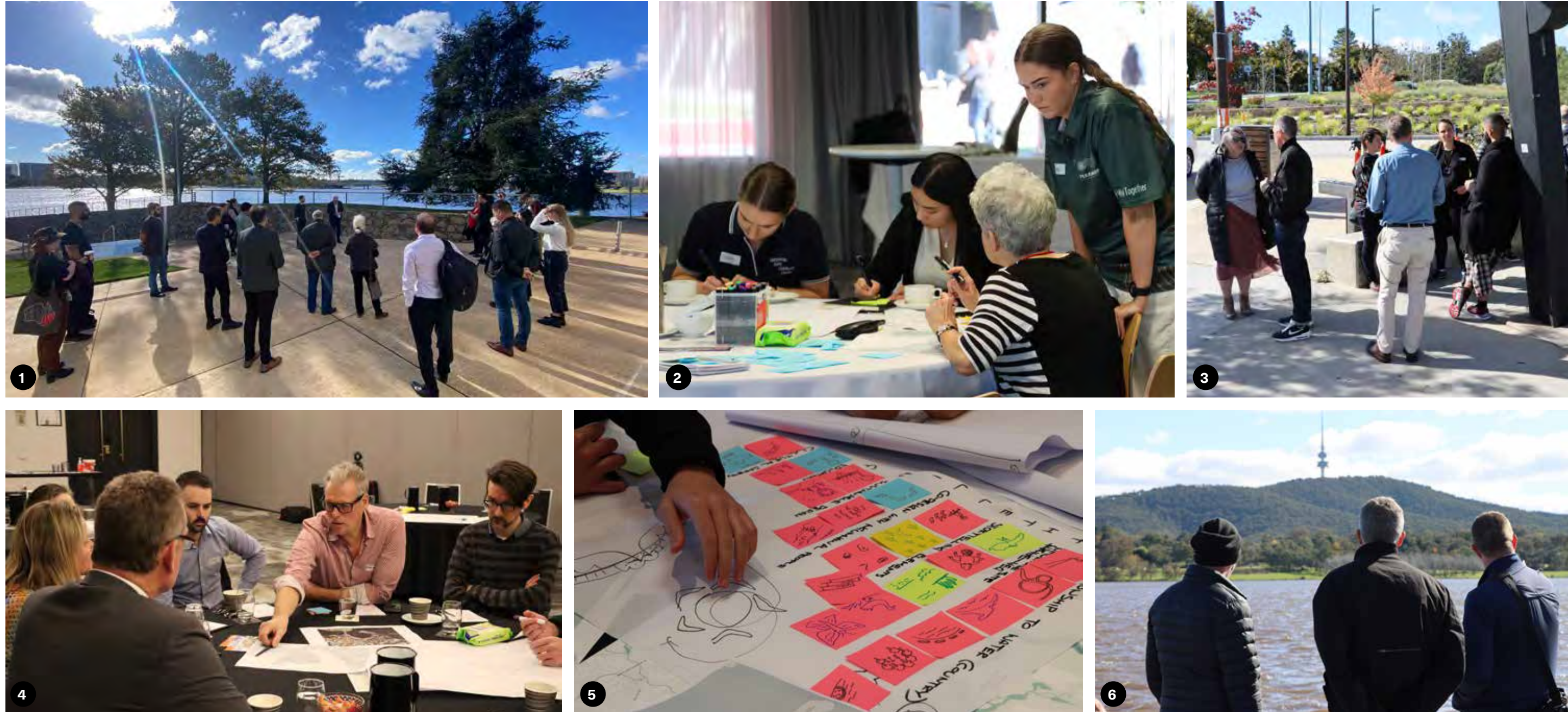
WHAT WE HEARD FIRST NATIONS ENGAGEMENT 17

COMMUNITY FEEDBACK 18

APPENDIX

CONSULTATION REPORT PHASE 1 AND 2 - 24 MARCH 2023

COMMUNITY CONSULTATION PROCESS



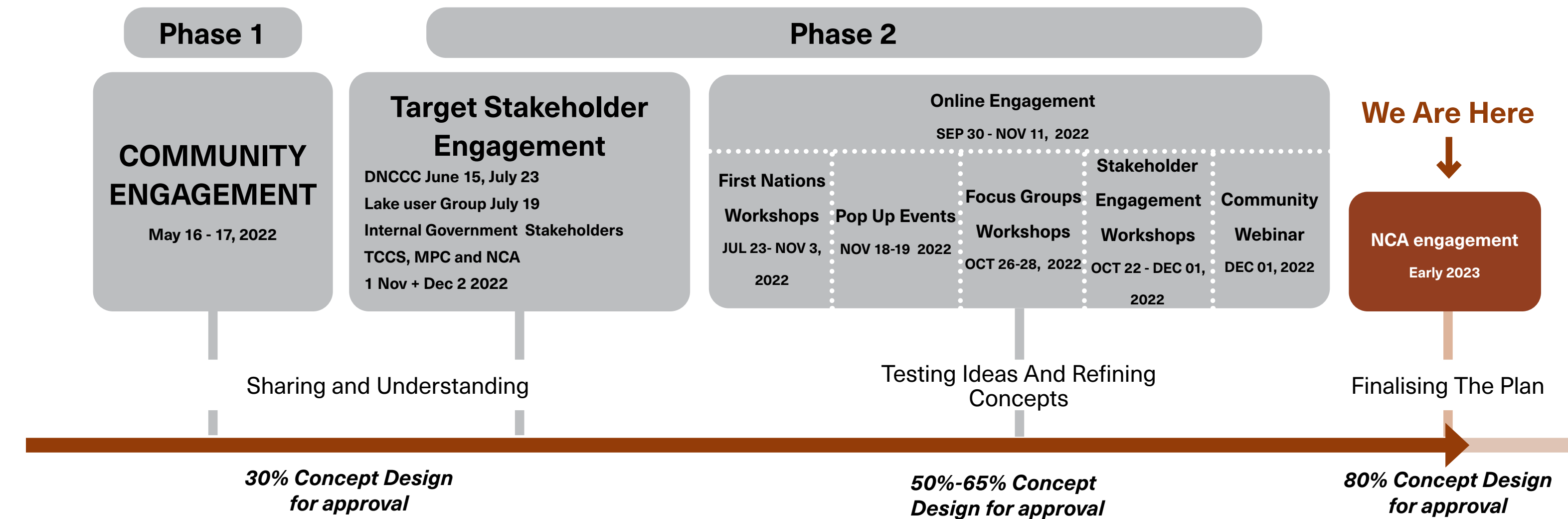
1. Welcome to Country at National Australian Museum prior to first design Jam
2. Design Jam meeting
3. Walk to Henry Rolland Park

4. Target stakeholder meeting
5. Community engagement
6. Acton Park site visit

COMMUNITY CONSULTATION PROCESS

What We Heard Outcomes Report

Consultation Report - Acton Waterfront Design
Phase 1 and 2 - 24.03.23



COMMUNITY FEEDBACK

What We Heard Outcomes Report

Consultation Report - Acton Waterfront Design
Phase 1 and 2 - 24.03.23

You spoke, we listened

WHAT YOU TOLD US

There was strong support among First Nations people on the proposed designs for the park. Feedback noted the importance of the new park as a place of ceremony and a place to share and learn about Ngunnawal culture. Several suggestions were received about how this may be achieved. First Nations stakeholders also commented favorably on the design, as well as the use of natural materials and the focus on planting of endemic species.

A desire to see the size of the park increased beyond the minimum 50 meters.

Reduce the amount of hard surfaces and hard stand areas. Bringing in more trees and planting for shade, cooling and support wildlife. Play Space Wall

Introduce facilities to provide weather protection in summer and winter.

With the concern on Pedestrian and cyclist confliction, the separation of cycling and e-scooters from pedestrian areas was conclusively addressed.

Ensure ample provision of affordable longer stay car parking to support access for those who do not have convenient public transport.

WHAT HAS CHANGED

There is one area designated particularly for cultural practice purpose which is the 'Kangaroo Hunting' grassland located in the 'Play Space' and the 'Yarning Circle' adjacent to it. More vibrant practice such as smoking ceremonies and concert can be held at 'Arrival' Boulevard and 'Plaza' Amphitheater. The planting palette is carefully selected with native species. Ensuring a strong relationship with Flora and Fauna. The material palette is developed with natural colours and textures and is can be locally sourced.

The Acton Waterfront Park and the Estate Team worked on the integration of the 'Plaza' from the park and triangular space from the Estate to form the Community 'Heart' accommodate daily activities and large-scale event.

Option D
Soft-scape Ratio: 67%
Canopy Coverage Ratio (tree canopy, pavilion roof and shade structures of Stage 1B): 31%
Flexible Event Space: 9,485 m2

There are three shade structures at Community Park
Arrival Pavilion 1: enclosed / under roof dinning spaces and under weather-proof roof seating spaces.
Play Space pavilion 2: Semi-enclosed changing room and under weather-proof roof seating spaces.

A wide shared way is proposed along Barrine Drive and to complete the West Basin Bike Loop. Way-finding to be incorporating within the design to deter cyclist from using existing boardwalk or other paths within the site

Option D
Existing parking area will be retained.
Option E
On-Street pick up and drop off parking along Barrine Drive only. Parking capacity will be included within the future estate

Responses to all comments addressed. Refer to appendix

COMMUNITY FEEDBACK

What We Heard Outcomes Report

Consultation Report - Acton Waterfront Design
Phase 1 and 2 - 24.03.23

You spoke, we listened

WHAT YOU TOLD US

Concerns on potential use conflict between an active event-based parkland in close proximity to a residential area.

Ensure good pedestrian access from Civic and surrounding areas. Concerns on the safety of crossings on Barrine Drive.

Temporarily activate the future park site prior to construction commencing including BBQ / Picnic area, pop-up market, food festival, a sports area, concert / festivals and cycling events. Flexibility to allow the space to be able to adapt over time.

The extent and diversity of activities offered within the park and the potential for over activation.

Support for Lakeside structures to access the water however these need to be constructed to ensure safety for people with disability and also work to accommodate a diverse range of craft.

Genuine inclusion and accessibility across all aspects of the park.

The time it will take to deliver the complete park.

WHAT HAS CHANGED

Active event based parkland - any major events along the parkland will be pre-schedule to notify local residences.

Connection is founding design principle to Acton waterfront and connection to existing site and future development are considered and tested fro active transport, pedestrians and cyclist loops. Multiple traffic control methods are adopted such as calming pinch-points and varies pavings to slow down vehicle speed around pedestrian crossings and shared zone.

The Stage 1 earth work will be followed by large-scale vegetation with Natural Temperate Grassland mix to reintroduce the native ecological community back to the urban context. This will also be a landscape canvas as local attractions for Picnic, pop-up markets / events lasting for several years before the Estate development takes place.

The ratio of designated function areas, flexible event space and passive recreational areas are studied to ensure the overall site will be shared among multiple user groups without clashing into each other. As the nature of the project as an 'Urban Park', Acton Waterfront Park provides more event / recreation opportunities than other parks.

Two major lake structures with mooring facilities are proposed at both ends of the Arc Path. Boat Groups advices are incorporate regarding user's safety and space sharing between crafts and other user groups. DDA access detail design to be provided by other specialists in future.

The Acton Waterfront Park design involves DDA reviews to ensure the provision of equal accessibility cross the whole site. Both left hand and right hand toilets are provided in the park.

Mainly result from the available fundings, Acton Waterfront Park is currently divided into two Stages, Stage 1 (Option D) and Stage 2 (Option E). Design solutions are provided to activate the gap areas as pop up event space, Picnic area and natural play site among the timelines of Stage 1, Stage 2 and the Estate development.

Responses to all comments addressed. Refer to appendix

SITE ANALYSIS + OBSERVATIONS

LAYERS AND CONNECTIONS - NGUNNAWAL COUNTRY 22

LAYERS AND CONNECTIONS - GRIFFIN LEGACY 23

PLACES OF SIGNIFICANCE 24

CONNECTING WITH NGUNNAWAL COUNTRY 25

NGUNNAWAL NARRATIVES 26

WATERFRONT INTERFACES 27

SITE IMAGES 28

SITE IMAGES 29

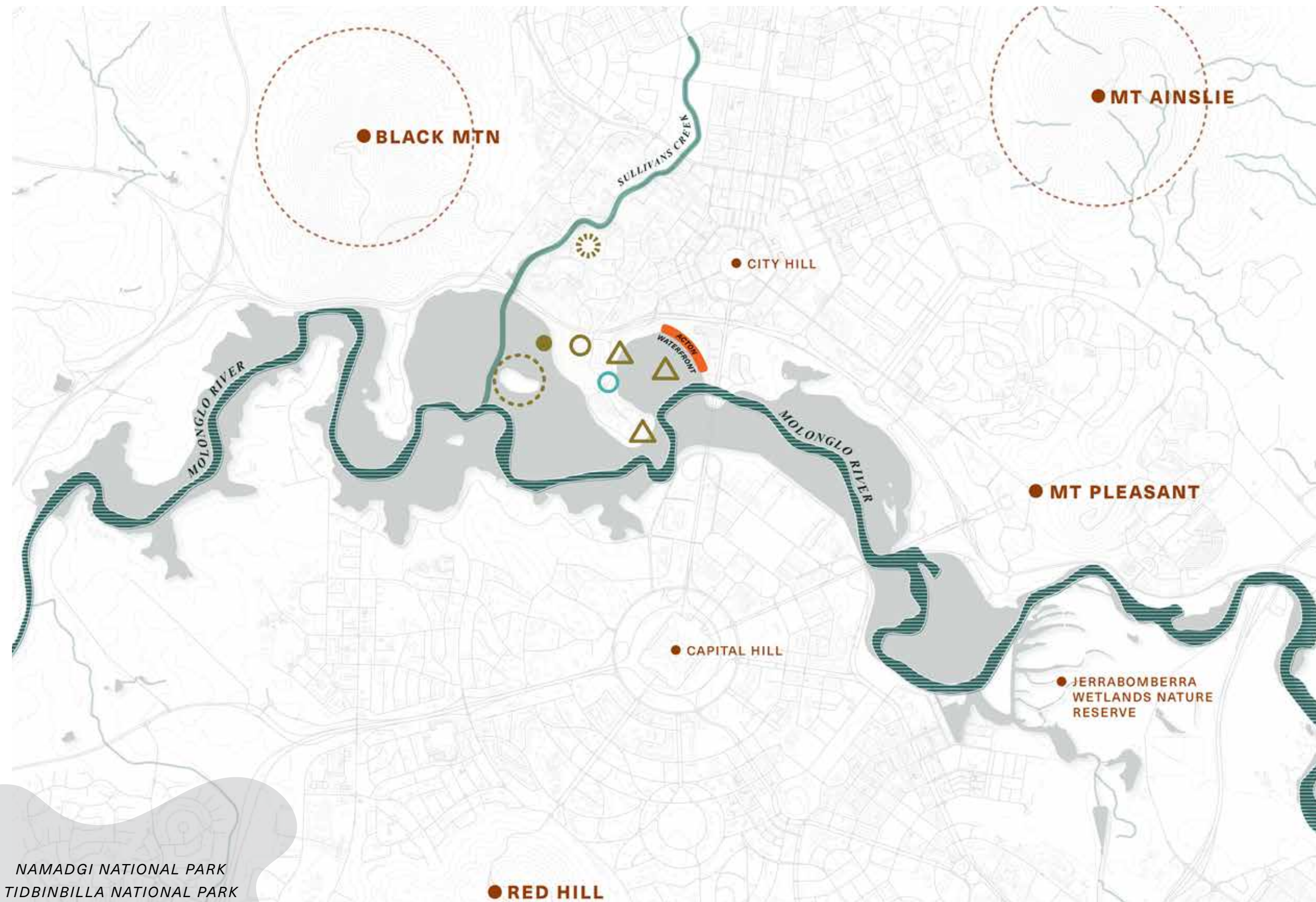
EXISTING CONDITIONS + CONSTRAINTS 30

OPPORTUNITIES 31

KEY VIEWS 32

KEY CONNECTIONS 33

LAYERS AND CONNECTIONS - NGUNNAWAL COUNTRY



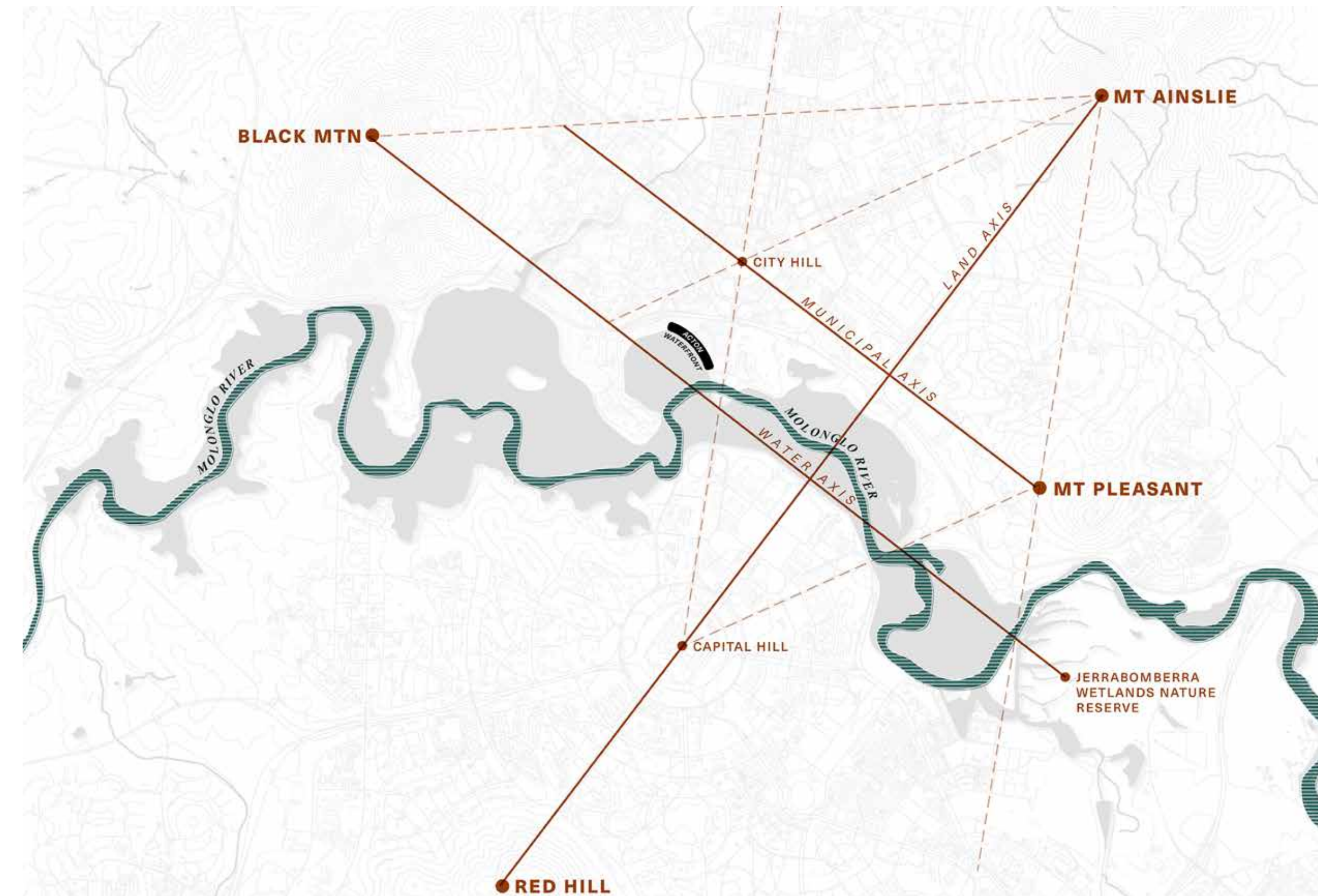
KEY NARRATIVES

- █ Acton Waterfront Park
- Canberra's Cultural Landscape**
- █ Molonglo River
- █ Sullivan's Creek
- Mountains
- Geological formations
- Memories of Country**
- Arte-facts
- Corroboree Ground
- Race Course at Acton Peninsula
- South Oval
- Lime stone caves
- Hospital

During the First Nation Design Jams and workshops stories were shared by the Ngunnawal Community and their significance and relation to Acton Waterfront.

NAMADGI NATIONAL PARK
TIDBINBILLA NATIONAL PARK

LAYERS AND CONNECTIONS - GRIFFIN LEGACY



GRIFFIN LEGACY PRINCIPLES

National Triangle

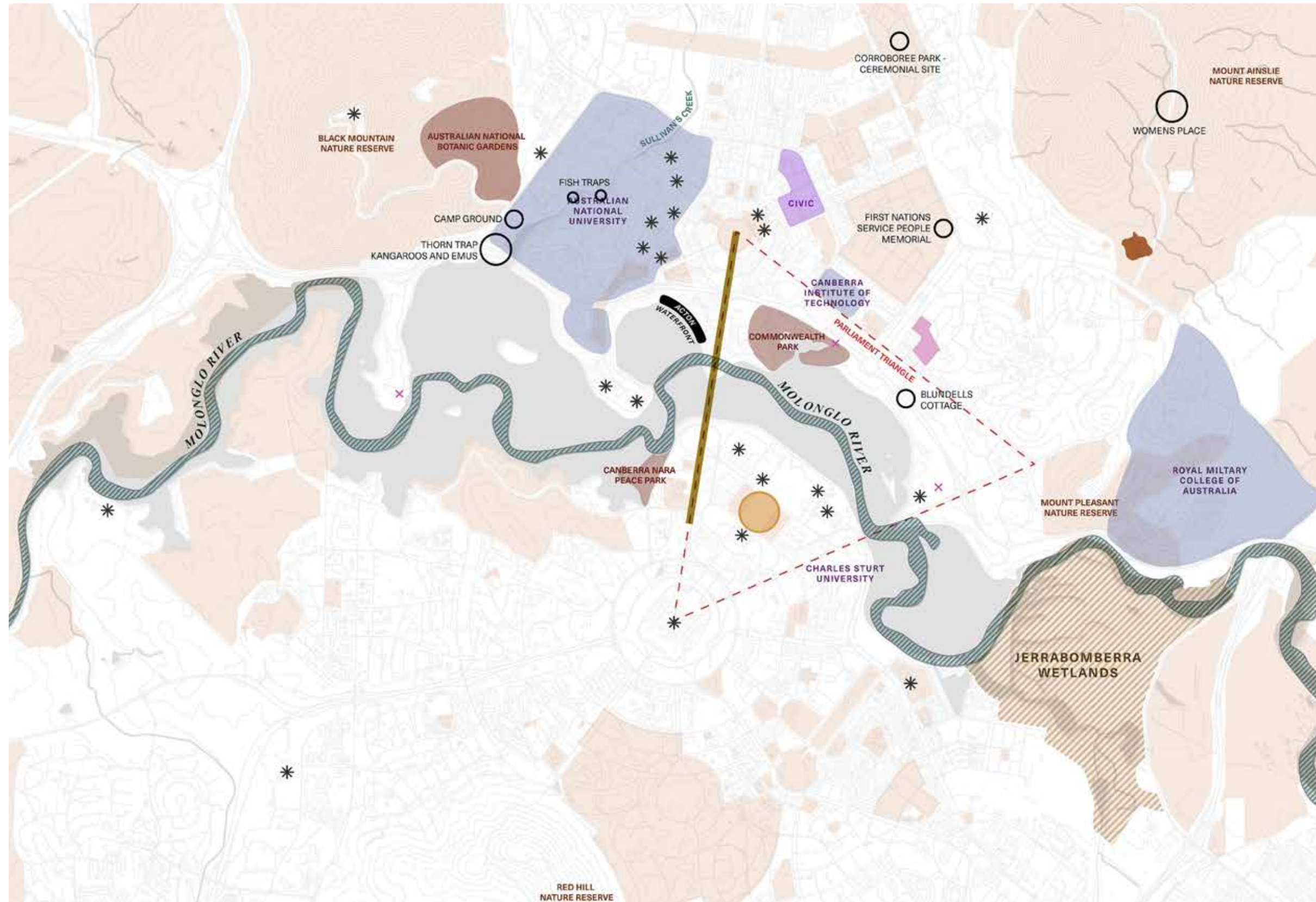
Land Axis
Connecting Mount Ainslie, Capital Hill, Red Hill and to Mount Bimben

Water Axis
Connecting Black mountain and Jerrabomberra Nature Reserve Along the Lake Burley Griffin and at right angle to the land axis

Municipal Axis
Along University Avenue Constitution Avenue formed an east-west link through the City Centre

The significance of the Griffin Legacy and their principles plays a key role at Acton Waterfront. The National Triangle of Axis are to be respected and acknowledge where possible witing the proposed design

PLACES OF SIGNIFICANCE

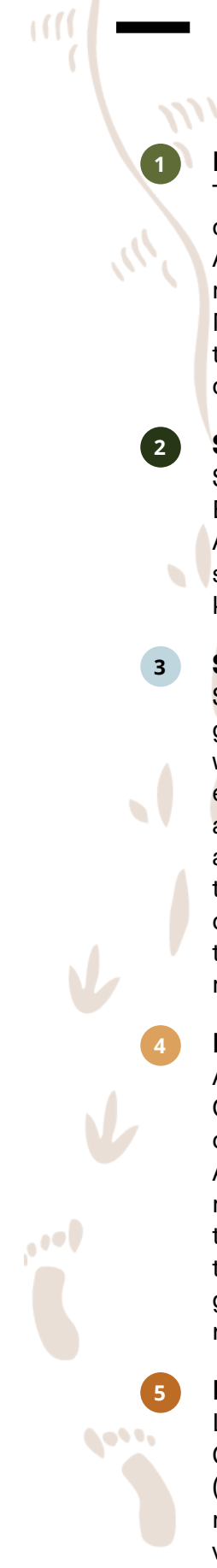


LEGEND

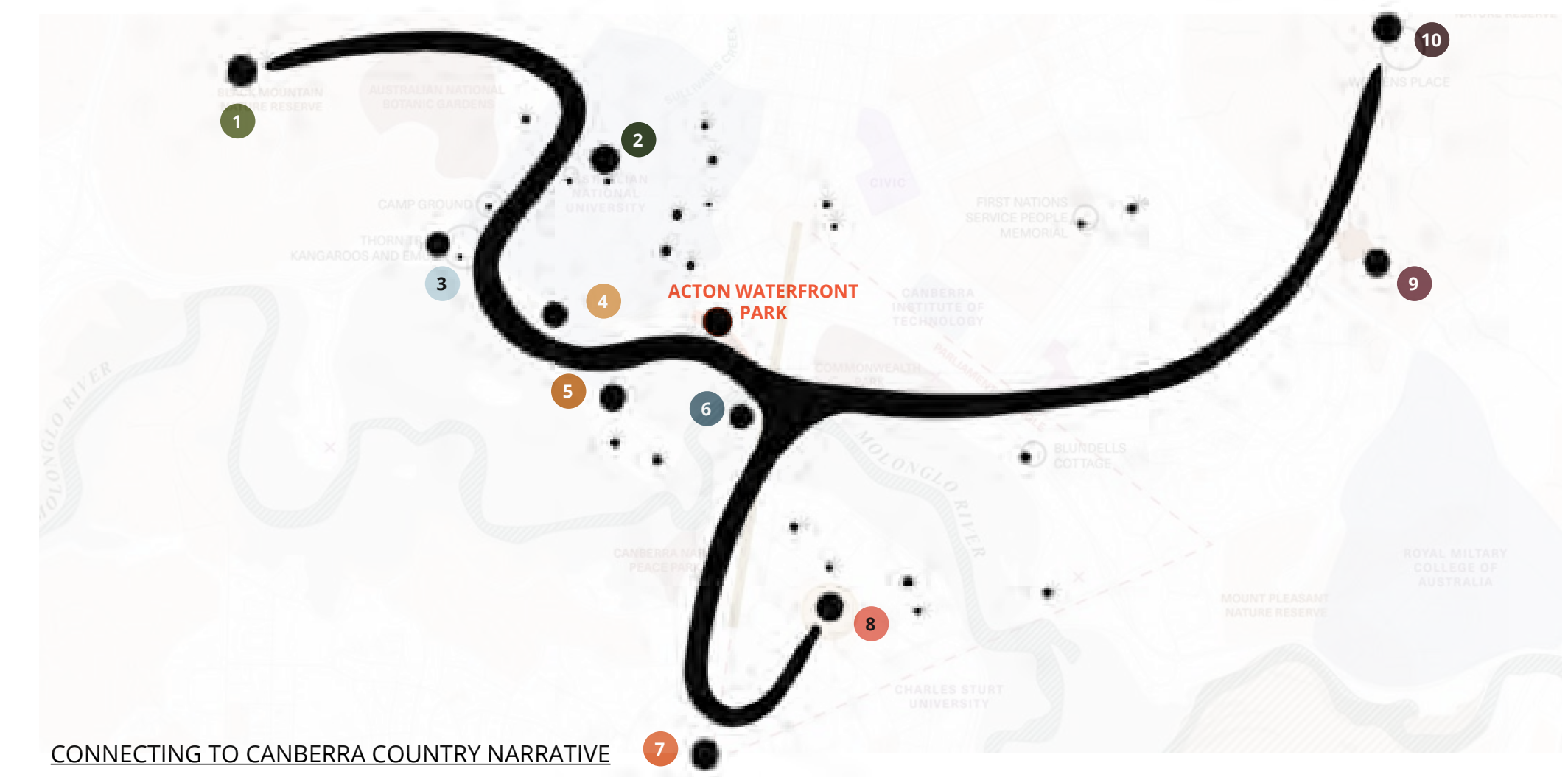
- Molonglo River
- Heritage Areas
- Destinational Parks
- Educational Institutions
- Civic District
- Places of Interest
- Places connected to Country
- Play spaces
- Playground
- Acton Waterfront Park
- Tent embassy
- Activism
- Mount Ainslie Memorial

During the First Nation Design Jams and workshops stories were shared by the Ngunnawal Community and their significance and relation to Acton Waterfront.

CONNECTING WITH NGUNNAWAL COUNTRY



- 1 BLACK MOUNTAIN**
The base of Black Mountain is identified as one of the main ceremonial areas in Canberra. According to Tyrone Bell (Ngunnawal man), Black Mountain was also used by the Ngunnawal people as a site for initiation, with the mountain itself said to represent the growth of a boy into a man.
- 2 SOUTH OVAL**
South oval was purposely cleared before European settlement. This is said to be due to Aboriginal peoples burning the area consistently so that the freshly grown grass would attract kangaroo; making them easier to hunt for food.
- 3 SULLIVANS CREEK**
Sullivans Creek was used for hunting and gathering food. "The ponds along the creek were used as fish traps" Wally Bell (Ngunnawal elder). Stacked stones and low water flow were able to trap fish, along with crushed Indigofera australis depriving the water of oxygen, causing the fish to come to the surface and be easier to catch. It was a resource-rich environment and to this day there continue to be spiritual and mythological values associated with the creek.
- 4 RACECOURSE CORROBOREE GROUND**
Acton Peninsula is also the site of the Old Canberra Hospital, which has gained contemporary cultural significance for some Aboriginal families from the area. Many members of the current community were born, treated for illness, or had family who passed there. This is close by to another corroboree ground, which was also the location of a racecourse in the early twentieth century.
- 5 LIMESTONE CAVES**
Limestone caves sit beneath Lake Burley Griffin. Before they were flooded, Tyrone Bell (Ngunnawal man) recounts that his family members would play in the caves and had various rock art sites within



CONNECTING TO CANBERRA COUNTRY NARRATIVE

- 6 MOLONGLO RIVER**
The creation of Lake Burley Griffin destroyed the Molonglo River landscape and limestone caves. This has eliminated the natural ecological systems of the Molonglo river valley and destroyed cultural heritage sites.
- 7 CAPITAL HILL**
The original urban design for Canberra was to leave Capital Hill as an open public space from which to view the parliamentary triangle and down to the Lake. Instead, the construction of Parliament House meant that layers of County were excavated, and the building was constructed artificially out of the landscape.
- 8 TENT EMBASSY**
The Aboriginal Tent Embassy was founded in 1972 to reflect the alienation felt by many Aboriginal people from contemporary political processes and policy in Australia, such as the Government's refusal to acknowledge Aboriginal land rights.
- 9 MEMORIAL**
The memorial sits at the base of Mount Ainslie and commemorates Aboriginal and Torres Strait Islanders who have served in the Australian armed forces.
- 10 MOUNT AINSLIE**
According to the Ngunnawal people, Mt Ainslie was predominantly a place of women's business. Black Mountain and Mount Ainslie are often referred to as women's breasts.

NGUNNAWAL NARRATIVES



RIVER COUNTRY

River Country is resource rich and provided fresh drinking water, making it a good place to camp. Because of this we are able to find lots of tangible evidence of Aboriginal occupation along the river, including middens, stone tools and grinding grooves.

The Molonglo River was a significant feature of the landscape, and flowed to join the Murrumbidgee. These were used to guide travel in and out of Nggunawal Country.

ENDEMIC NGUNNAWAL LANDSCAPE

The Country around Canberra has been occupied by Nggunawal people for thousands of years. Before Burley Griffin there was a valley of limestone plains and woodland slopes. Grassy under stories were littered with scribble and brittle gum, full of emus, kangaroos, turkeys, snakes, koalas and bandicoots. Streams and rivers were home to yellow belly, platypus, spiny crayfish, yabbies and mountain cod.

Trees were used to make spears, nulla nullas, tomahawks and shields. Women made digging sticks and used grasses to make baskets and bags. Animal skins were sewn together with bone needles for clothing and rugs. The shape of a pregnant woman can be seen in the contours of the western slopes of the valley. In the middle of the valley there is a rock that looks like a perched eagle. He is called Maliyan and he is the creator spirit of the Tidbinbilla dreaming.

TRAVELING PLACE

The Molonglo River and its creek offshoots were used to guide people on their journeys to ceremonial meeting grounds. It is transient Country. Archaeological evidence shows Nggunawal Country is covered in well-worn paths and significant trails leading to other regions. Some pathways are hundreds of kilometers long and were used to facilitate seasonal resource gathering and for trade. Bone, shell, wool, fur and stones were traded across the continent.

Early colonial accounts recall groups traveling to the base of Black Mountain for corroborees and groups of men and boys traveling from Black Mountain to Tidbinbilla for initiation. Tidbinbilla comes from the word Jedbinbilla, meaning 'where boys become men'. Men's sites are found in the higher peaks of the valley, whilst women's sites were more often associated with the river.

SIGNIFICANT NGUNNAWAL PEOPLE

An example of a significant Nggunawal leader was King Andy Lane (pictured above) who is a significant figure to local Nggunawal people and was mentioned several times throughout the Design Jam Workshop. He was a Nggunawal warrior who traveled extensively throughout the region. Colonial accounts detail a fearsome attack he led in the Boorowa region, avenging the death of his wife Charlotte.

Any other significant Nggunawal people in the area can be shared in future workshops with the United Nggunawal Elders Council and be developed further into the design.

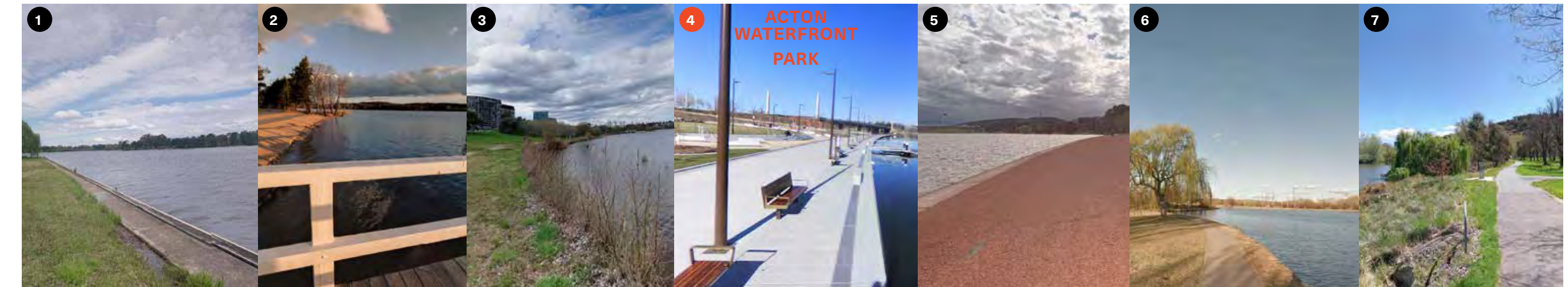


WATERFRONT INTERFACES

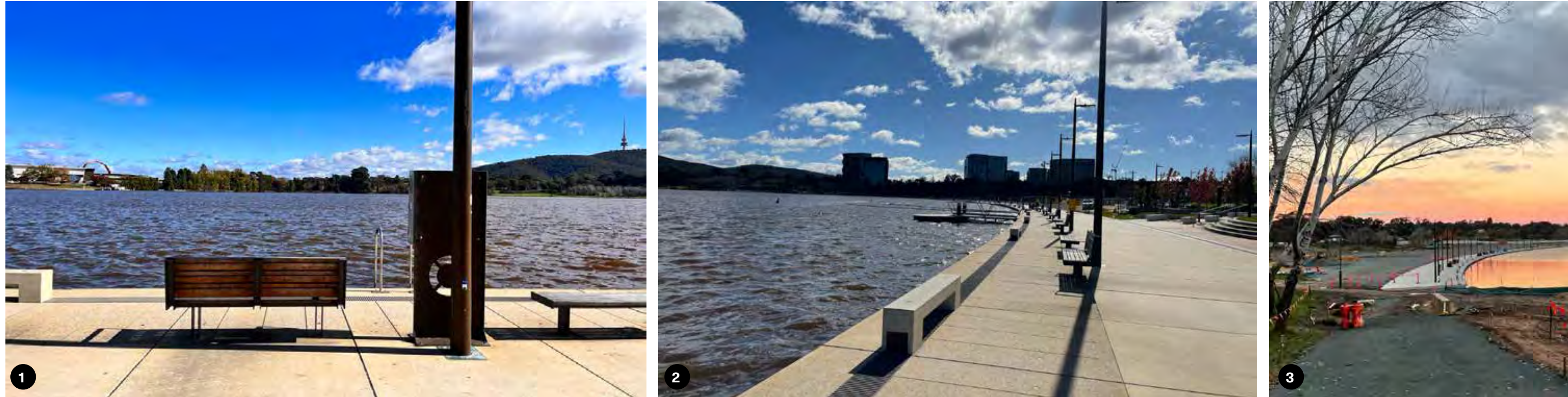
Lake Burley Griffin is connected with various experiences. the majority of the waterfront interface is parkland and natural trails. This is a key opportunity for Acton Waterfront to create a unique experience on the waterfront with a destinational park

LEGEND

- Formal urban edge
- Parkland built edge
- Natural trails and reserves



SITE IMAGES



- Existing boardwalk overlooking Lake Burley Griffin and National Museum of Australia
- View along existing boardwalk towards New Acton along Henry Rolland Park

- Sunset view of future Acton Park towards Commonwealth Bridge
- Newly developed Acton Beach at the end of the existing boardwalk
- Adjacent Henry Rolland Park connected to Acton Waterfront Park

- Wet Fill area of Acton Waterfront Park. Reclaimed land over Lake Burley Griffin

SITE IMAGES

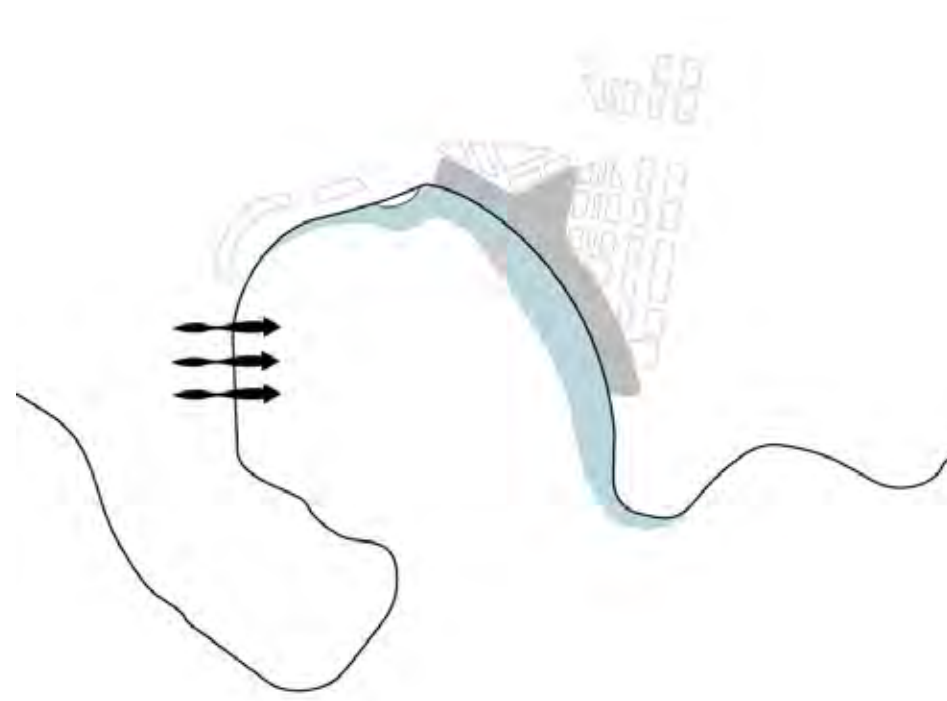


- Parkes Bridge crossing view to Parkes Way Bridge and Ovolo Nishi Hotel
- Griffin Walk connection West of Acton waterfront Park

- Existing Boardwalk at night
- Existing carpark at Acton Waterfront Park
- Barrine Drive connection at Henry Rolland Park

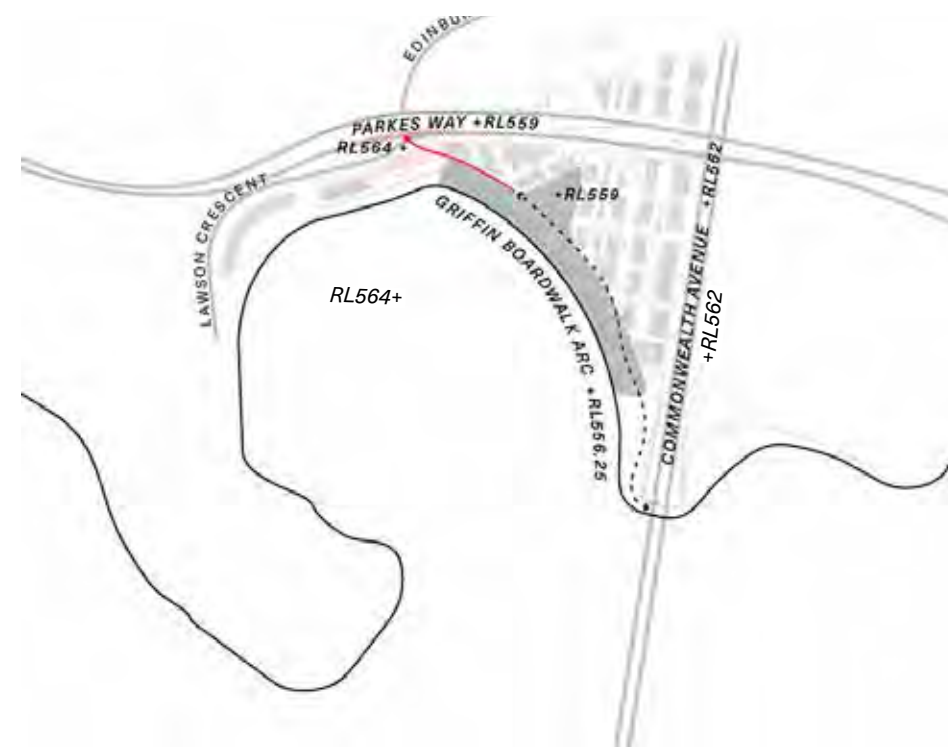
- View of Acton Waterfront Park and Henry Rolland at night from National Museum of Australia

EXISTING CONDITIONS + CONSTRAINTS



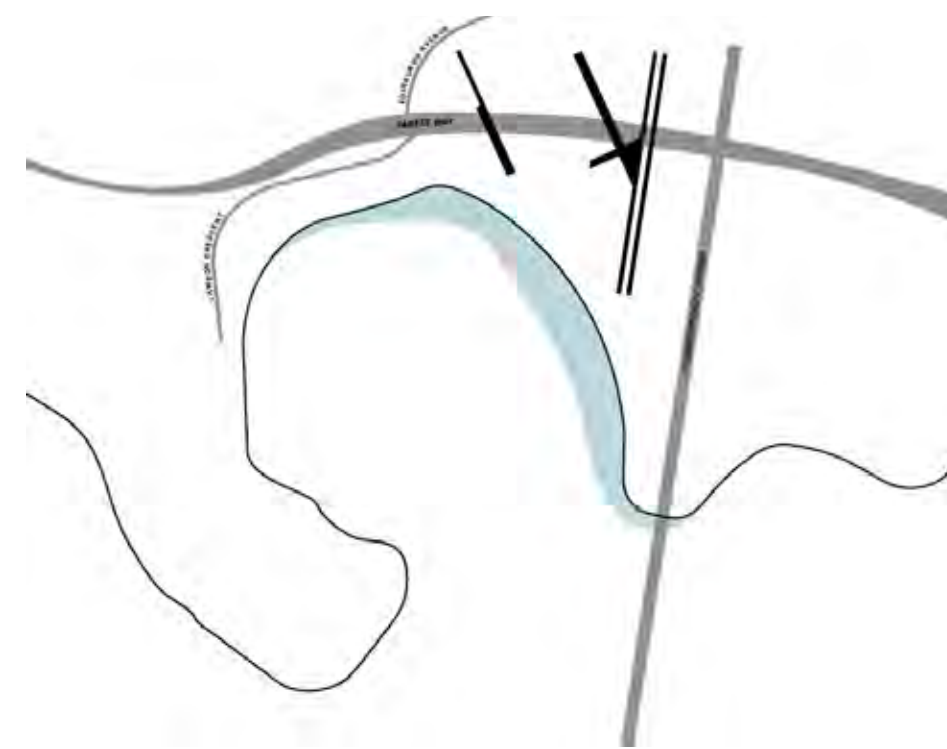
SITE EXPOSURE

Prevailing winds are coming from the West. This directly impacts Acton Waterfront making it a very exposed park. To be considered: Shelter, appropriate planting, durability of materials.



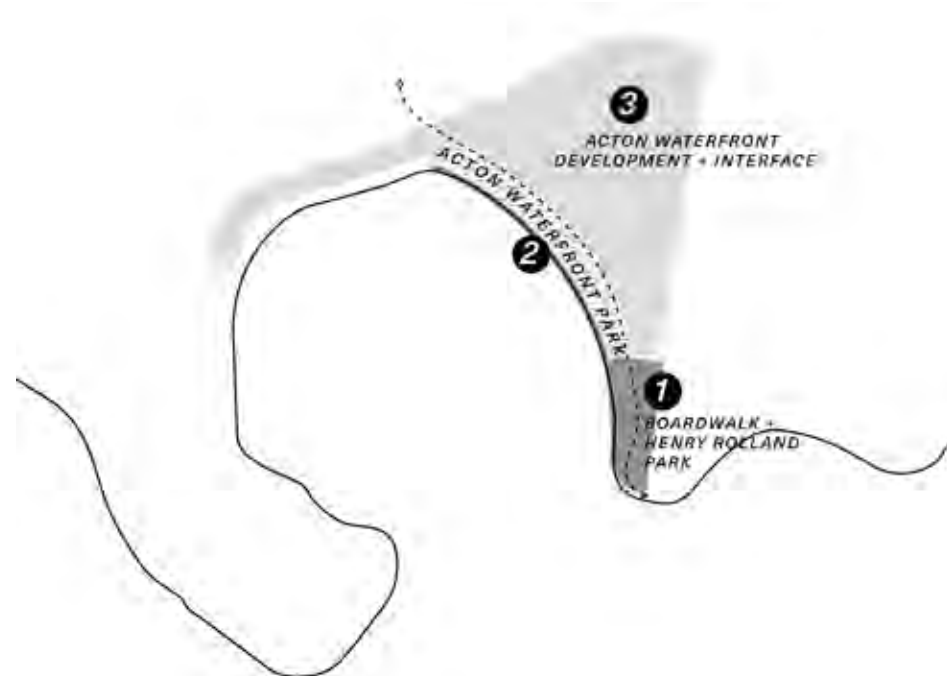
TOPOGRAPHY

The future development which will be behind Acton waterfront park will be raised 2.75m above existing boardwalk. To be considered: Level change and DDA compliancy across the park.



ISLAND EFFECT

Acton Waterfront Park founds itself surrounded by major roads, Parkes way and Commonwealth Avenue and Lake Burley Griffin. Its connection to the city and context is limited. To be considered: Adequate connection for all cyclists, pedestrians and vehicles.



STAGING

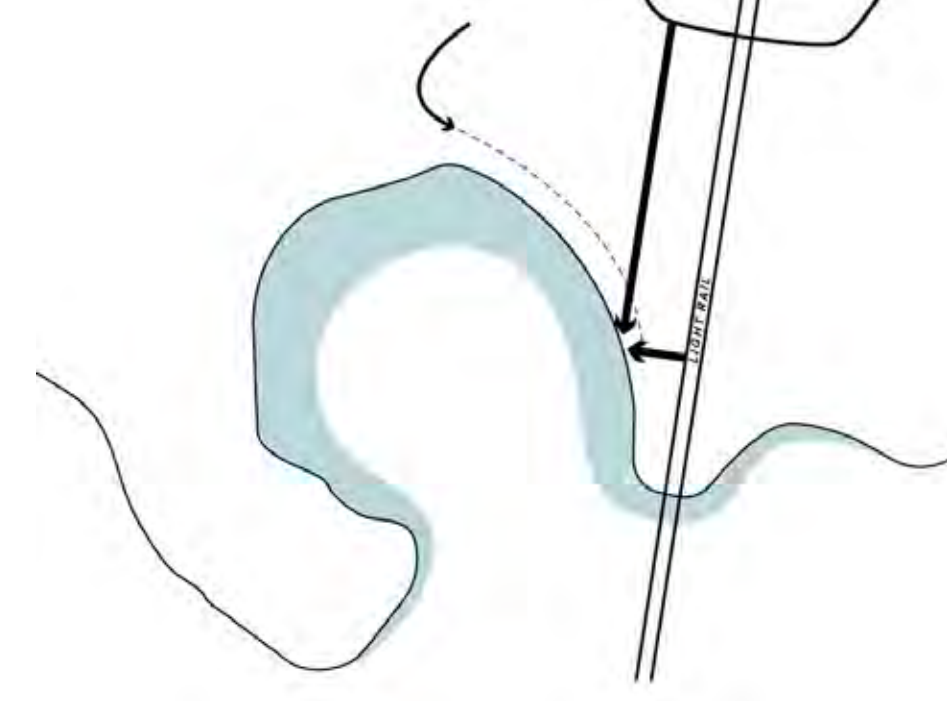
The staging of this site is key factor of its success. Henry Rolland Park, Boardwalk and Beach have been completed. Next will be Acton Waterfront Park then the future development. To be considered: Temporary connections and construction staging
ACTON WATERFRONT PARK- SKETCH PLAN OPTION D _ DESIGN REPORT REV01



WET FILL

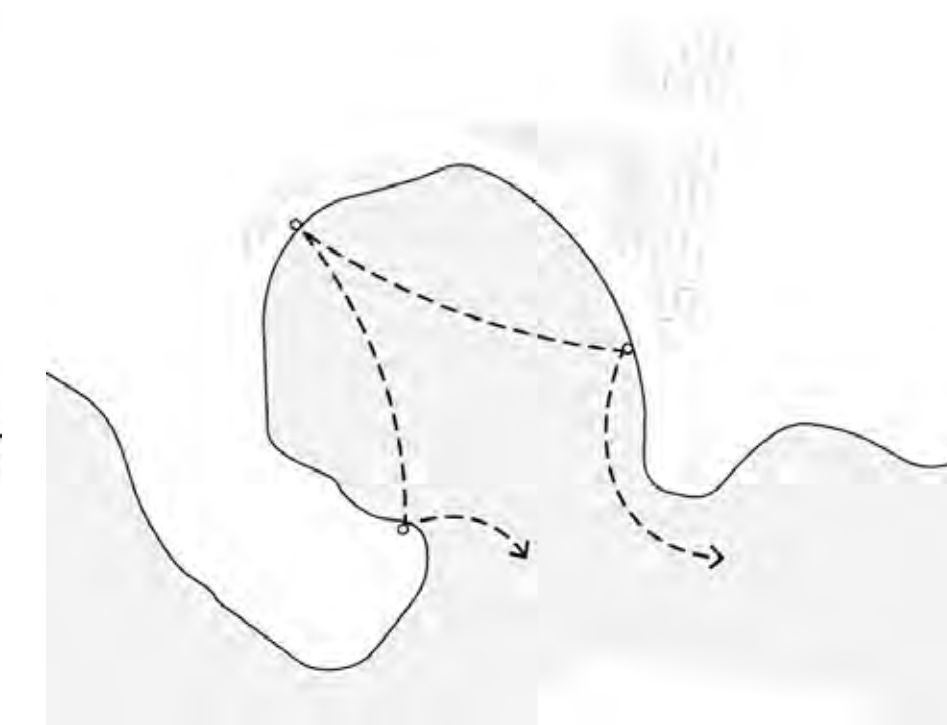
Land was reclaimed at West Basin on Lake Burley Griffin. This was filled with gravel also known as Wet Fill. to be considered : Soil sedimentation period for future planting and level change requirements for future development

OPPORTUNITIES



CONNECTIONS FROM CITY

Opportunity to reinforce the Griffin Principles with a strong connection of the city grid down to the waterfront with a main direct connection. Key connection from the new light rail stop on Commonwealth Avenue.



FERRY ACCESS

Opportunity to reinstate ferry connection to Acton Waterfront and National Museum of Australia



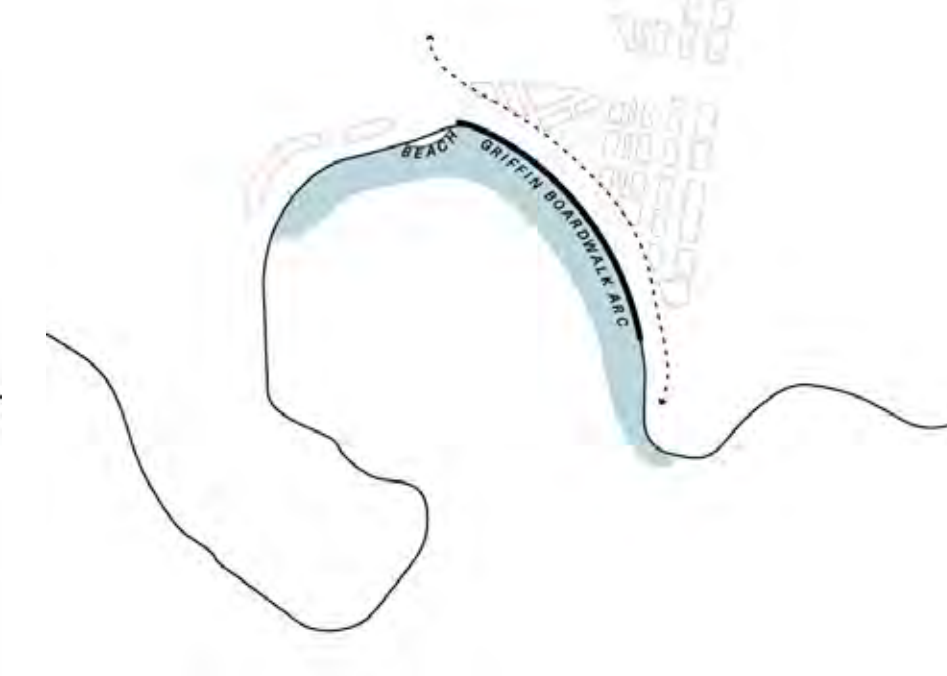
EVENT SPACE

Opportunity to create destinational event spaces with the future development and new connection to the waterfront



WATERFRONT FORESHORE LINK

Opportunity to continue the pedestrian and cycle routes along the waterfront.



INTERACTION WITH WATER

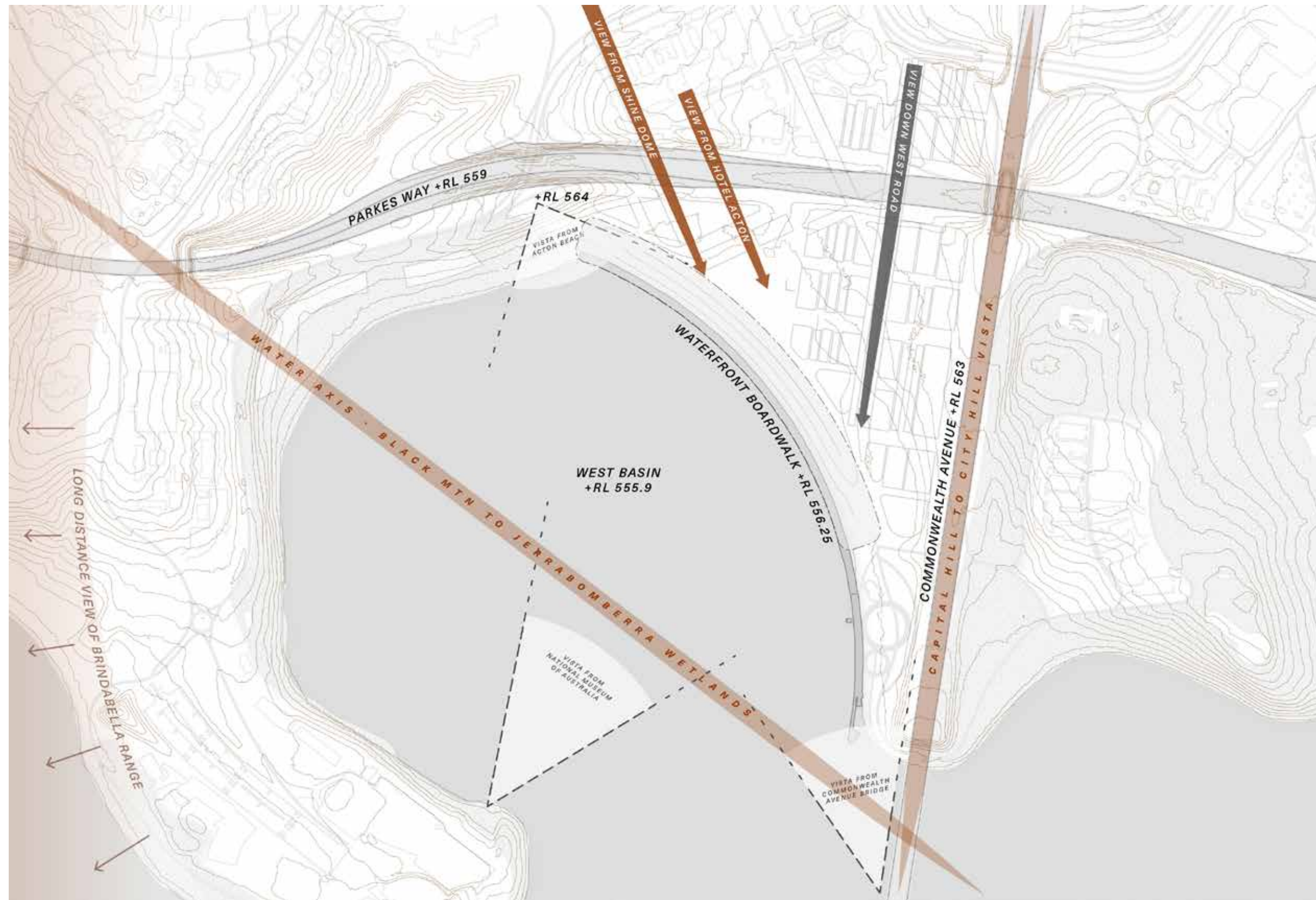
Opportunity to emphasise the relation to water and celebrate events, water activities. Create access and temporary parking spots on the waterfront



URBAN ACTIVITY ALONG THE WATERFRONT

Opportunity to create an activate destinational park. Allowing visitors and local urban community to interact with the waterfront

KEY VIEWS



LEGEND

- 10m interval contours
- Burley Griffin Legacy
- Heritage views



KEY CONNECTIONS



LEGEND

- Vehicular connections
- Cycling connections
- Pedestrian connections
- Footbridge

Acton Waterfront has a range of existing networks for pedestrians, cyclists and vehicles. Ensuring these connections are maintained or enhanced with future development.



PRINCIPLES, KEY MOVES AND STRATEGIES

DESIGN PRINCIPLES 37

STRATEGIES 40

STRATEGIES - WATER 42

STRATEGIES - COUNTRY 44

STRATEGIES - HABITAT 48

DESIGN PRINCIPLES

Key Moves are created with the future developments in mind to ensure a continuous connection.

OPTION E

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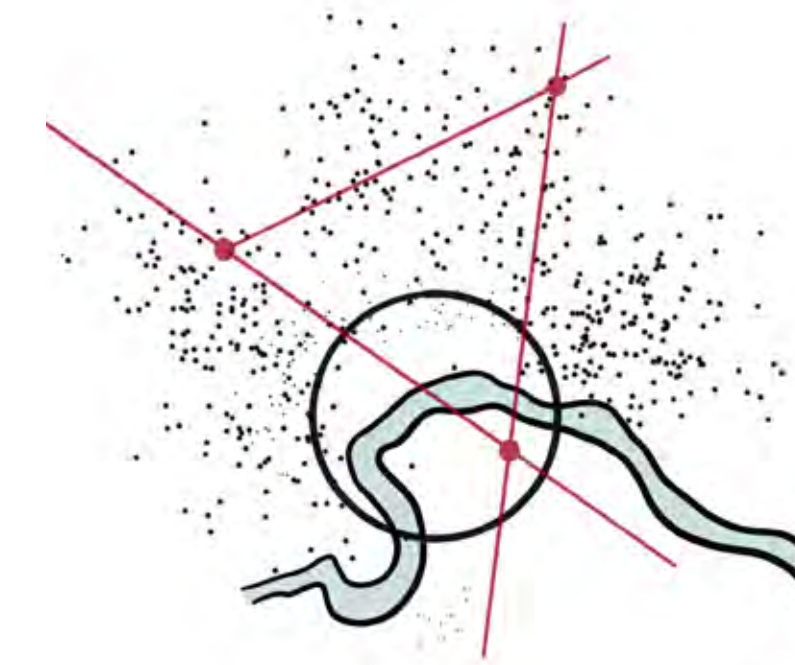
A DESTINATIONAL WATERFRONT

Canberra's urban waterfront

Connecting into a wider waterfront network

Destination for Canberrans and tourists

Connecting the city to the waterfront



A LANDSCAPE OF STORIES

Country is ancient and in itself a living entity. Aboriginal people in the Canberra region have found refuge in Country since the ice age and have accumulated an intimate knowledge of Country over thousands of generations.

Despite colonisation and urban development, these stories are still present in the landscape and community and design offers another opportunity for them to resurface, be uncovered and appreciated by the wider community.



AN URBAN COMMUNITY

Establishing a new urban community on the waterfront

Establishing social, economic and cultural vibrancy

Catering to a variety of end users



A COMPLETE WATER STORY

Establishing best practice blue green systems through WSUD

Encouraging biodiversity through endemic species

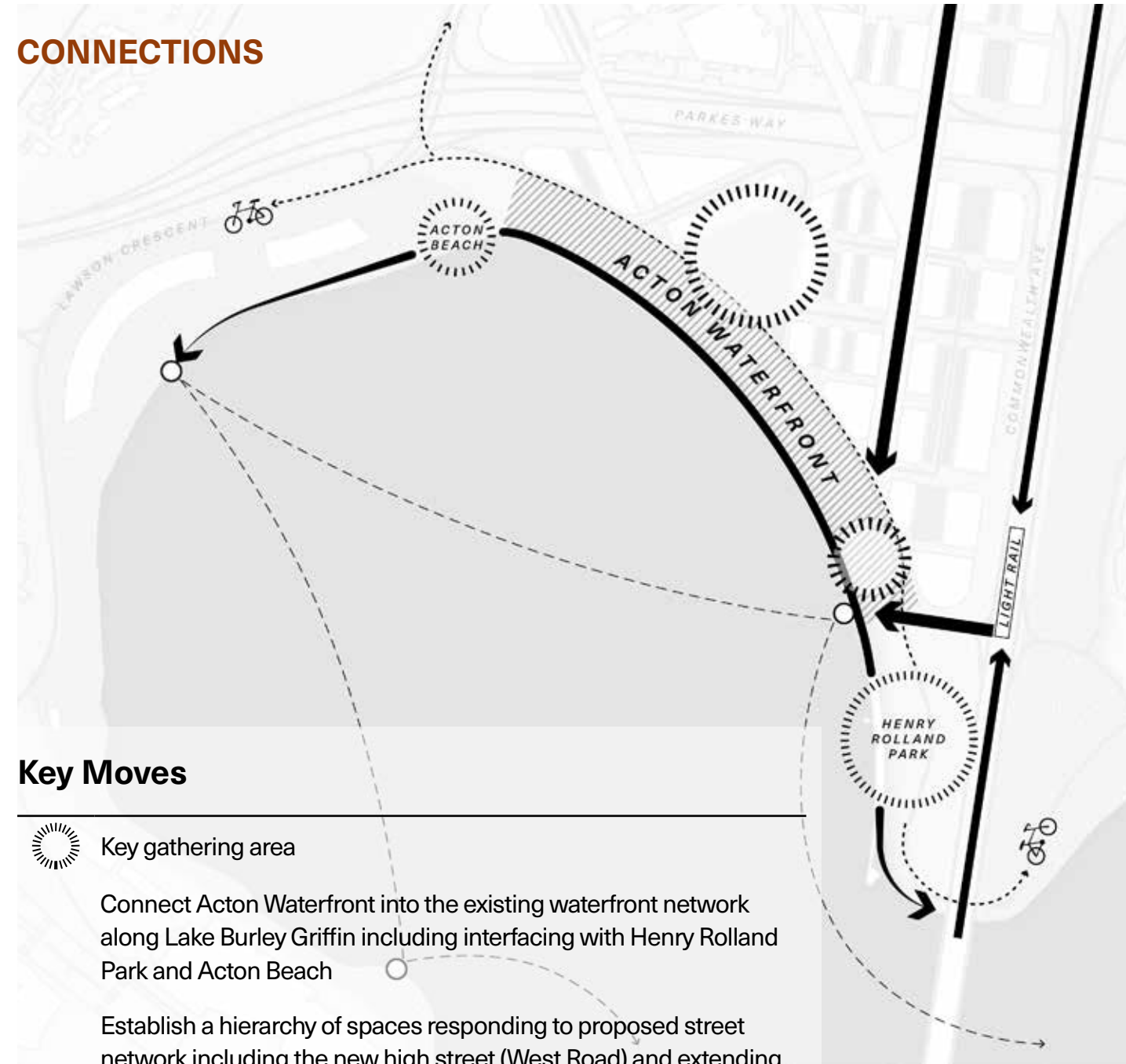
Create environmental efficiency through material and planting species selection

Connection to Country through educational overlays

Connecting people to water

KEY MOVES

CONNECTIONS

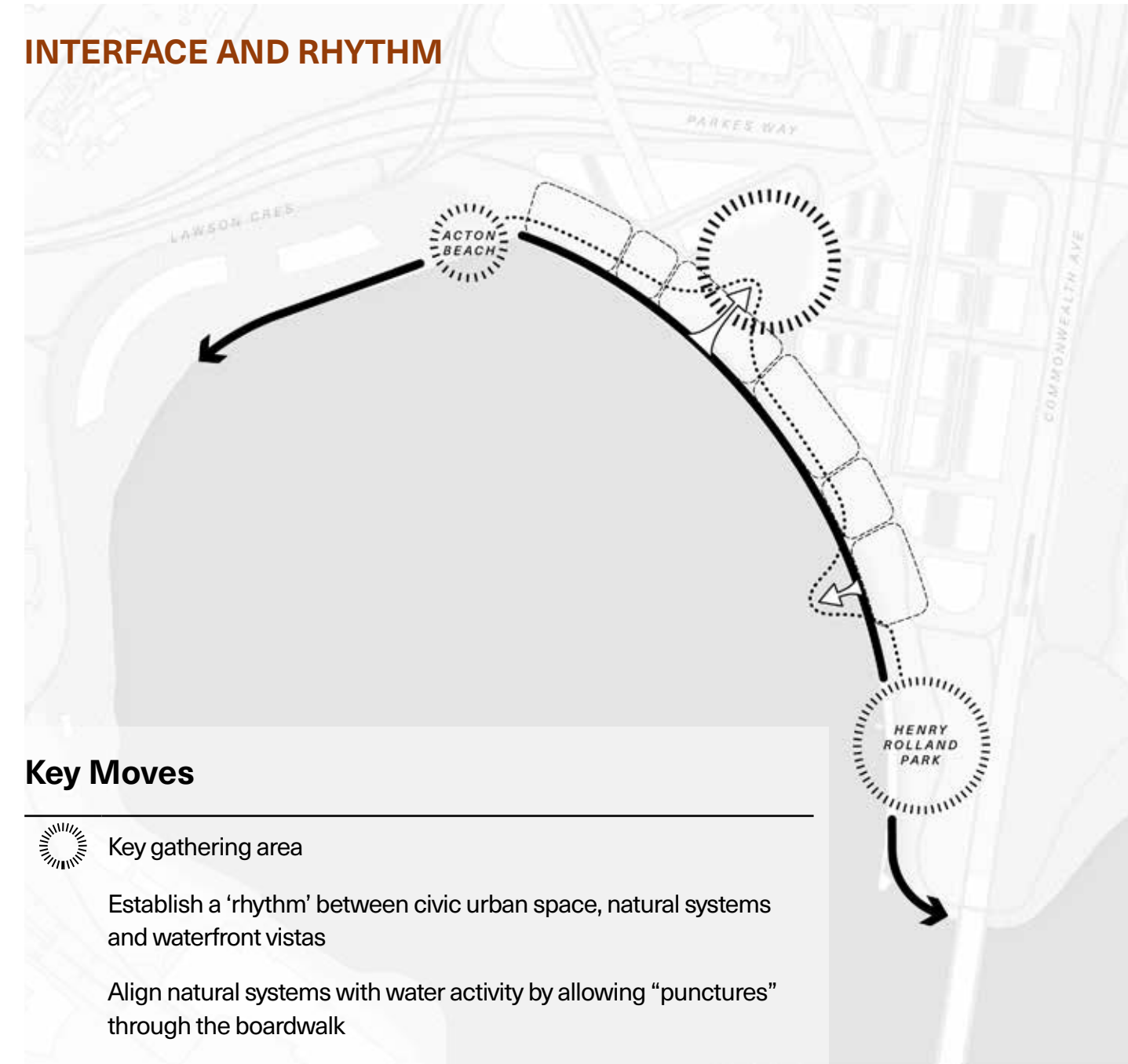


Key Moves


-  Key gathering area
- Connect Acton Waterfront into the existing waterfront network along Lake Burley Griffin including interfacing with Henry Rolland Park and Acton Beach
- Establish a hierarchy of spaces responding to proposed street network including the new high street (West Road) and extending Lawson Crescent
- Connect and integrate new light rail infrastructure with a flexible space to create a sense of arrival
- Extend dedicated and recreational cycle links along Acton Waterfront, Marcus Clarke Street, West Road and Lawson Crescent
- Create infrastructure hub through proposing ferry pier adjacent to new light rail platform

Key Moves are created with the future developments in mind to ensure a continuous connection.

INTERFACE AND RHYTHM

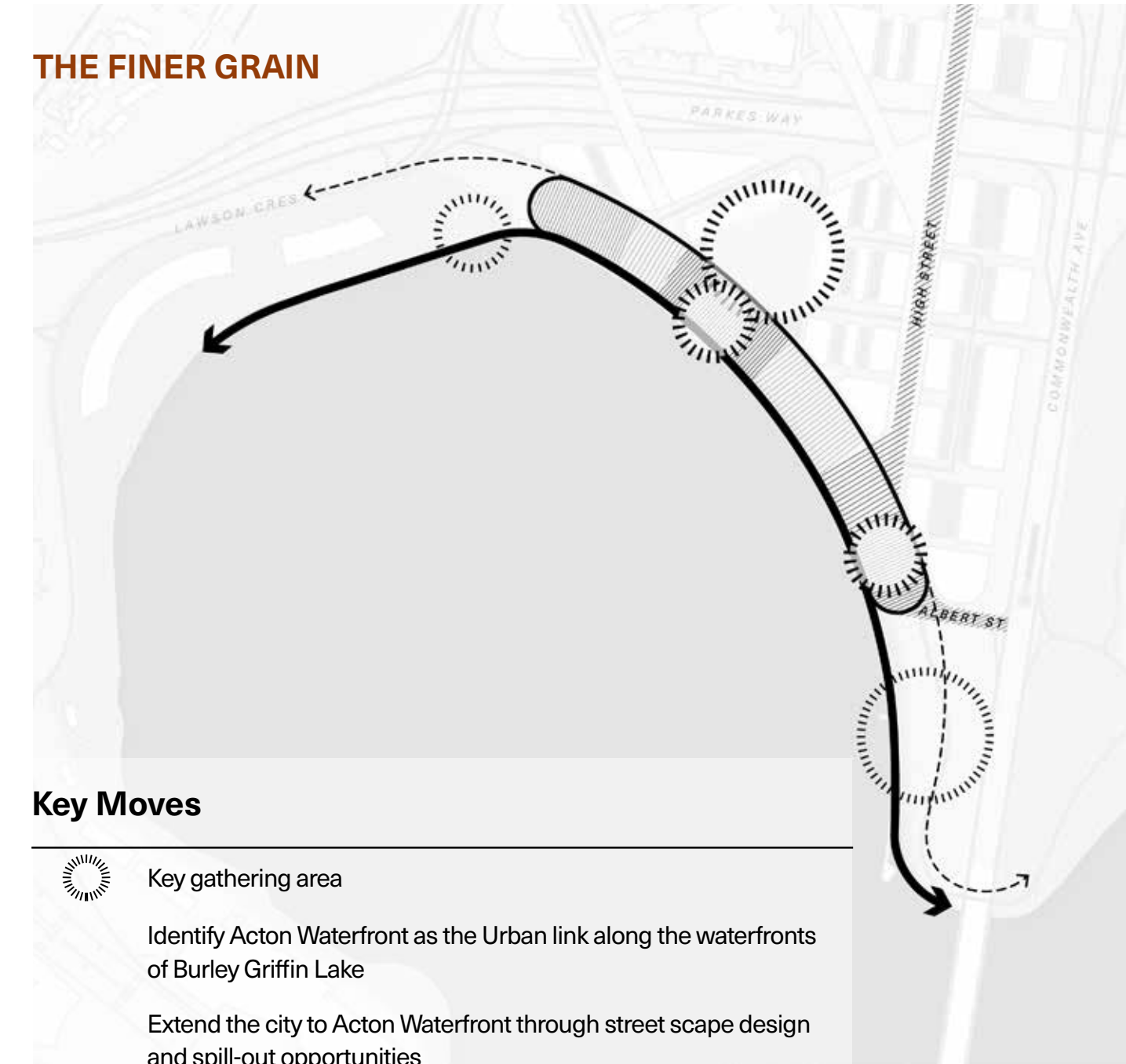


Key Moves


-  Key gathering area
- Establish a 'rhythm' between civic urban space, natural systems and waterfront vistas
- Align natural systems with water activity by allowing "punctures" through the boardwalk
- Embed Design for Country narratives (Molonglo River) into punctures through the re-introduction of natural systems such as endemic water species, water activities and biodiversity
- Extend Design for Country narratives into civic spaces through interpretative design, play, way-finding and education
- Consider programs and level interface with Henry Rolland Park and Acton Beach

KEY MOVES

THE FINER GRAIN



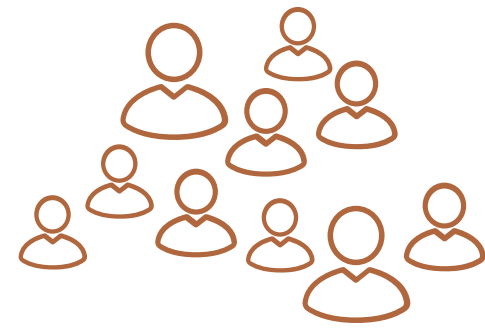
Key Moves

-  Key gathering area
- Identify Acton Waterfront as the Urban link along the waterfronts of Burley Griffin Lake
- Extend the city to Acton Waterfront through street scape design and spill-out opportunities
- Create destination amenities for locals and visitors to Acton urban waterfront
- Create comfortable spaces to inhabit throughout all seasons
- Using Design for Country narratives to influence materials and planting palette
- Enhance local community through localised parks, small play opportunities, nature play and education

Key Moves are created with the future developments in mind to ensure a continuous connection.

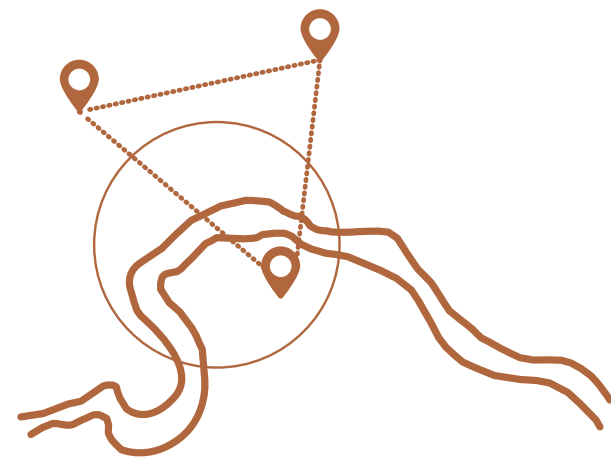
OPTION E

STRATEGIES



COMMUNITY

Connecting communities together. Sense of ownership and belonging. Establishing and strengthening partnerships with existing and future neighbouring communities.



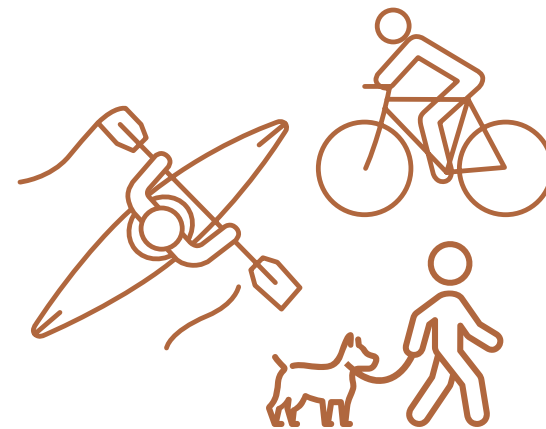
CONNECTION

City to water connection. Destinalional hub on Lake Burley Griffin. Encourage active modes of transport: cycling, walking, public transport.



WATER

Celebrating the relationship and connection to Lake Burley Griffin. Acknowledgment and celebration of the buried Molonglo River at Acton Waterfront Park. Education and protection of flora and fauna through water sensitive urban design principles. Acknowledgment of First Nations relationship with water.

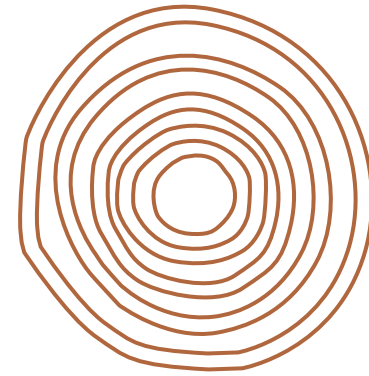


HEALTH AND RECREATION

Continuous connection of shared lake cycling route. Accessible and inclusive amenities. Promoting active lifestyle, water activities, cycling and walking. Immersive water play, adventure Play Space. Passive areas for gathering, reflection and contemplation.

Key Moves are created with the future developments in mind to ensure a continuous connection.

OPTION E



COUNTRY

Welcome and acknowledgment to Ngunnawal country. Storytelling and truth-telling. Celebration of country through materiality, planting, art palette.



HABITAT

Celebration of country and local wildlife through selection of endemic and native planting. Biodiversity. Revitalised ecosystems. Connection to nature.

STRATEGIES - COMMUNITY

HEALTH AND RECREATION

A VIBRANT PARK

Landscape Design endeavours to deliver a vibrant site for all user / community groups with interwoven spaces of plaza, urban park, amphitheatre, playground, lawn and boulevard. The eclectic mix captures and reflects the energy and complexity of its urban context and adjacent future development, creating a magnetic cultural and recreational destination for residents, commuters, tourists and visitors.

LONG TERM ON-SITE PROGRAMS

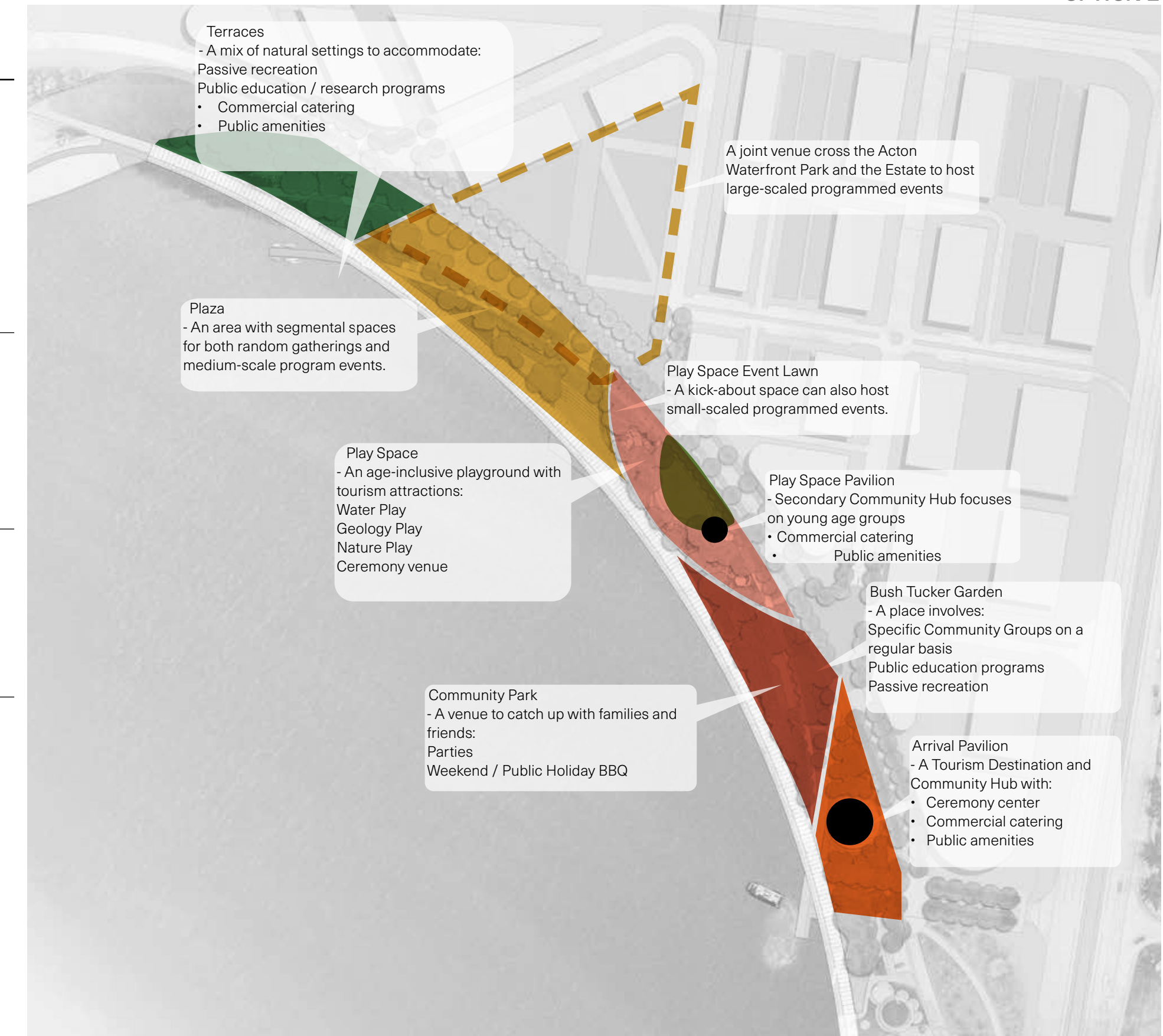
To cultivate a long term bond between the community, several areas are designated for special user groups to carry out long term research, public education program and maintenance including the 'Bush Tucker' Garden and Terraces with various natural settings.

FORM THE 'COMMUNITY HEART' WITH THE ESTATE

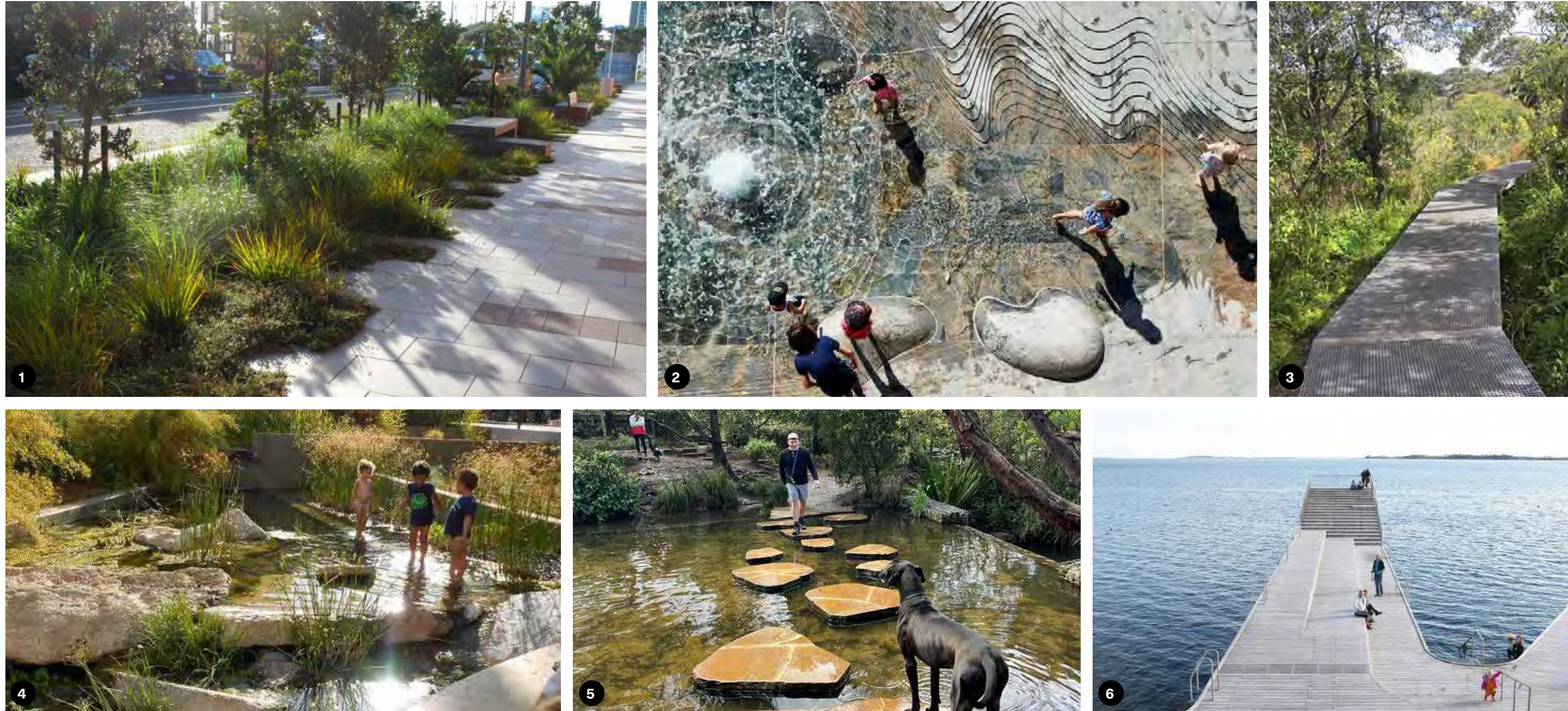
To introduce large-scaled events into the West Basin, Acton Waterfront Park 'Plaza' area is lined up with the triangular open space of the adjacent Estate. This move also fused the form of a 'Community Park' with resources sharing cross both sites.

Key Moves are created with the future developments in mind to ensure a continuous connection.

OPTION E



STRATEGIES - WATER



1. WSUD along Barrine Drive with water flow to be captured into tree mass planting or pits
2. Water play area - wet splash zone and water trail
3. Trail above vegetation and water crossings to minimise impact at the terraces
4. Water pool and cascades between terraces
5. Water trails and varied experiences
6. Relationship with water- access for boats, water sports and ferry

STRATEGIES - WATER

WATER

CONNECTION TO AND FROM THE LAKE

Taking advantage of the connection of Acton waterfront Park with Lake Burley Griffin. The proposed design includes lake structures to gain access to and from the Lake. Key access points for Ferry connection, small boats, kayaks, swimmers and other water sports

PASSIVE IRRIGATION AND WSUD

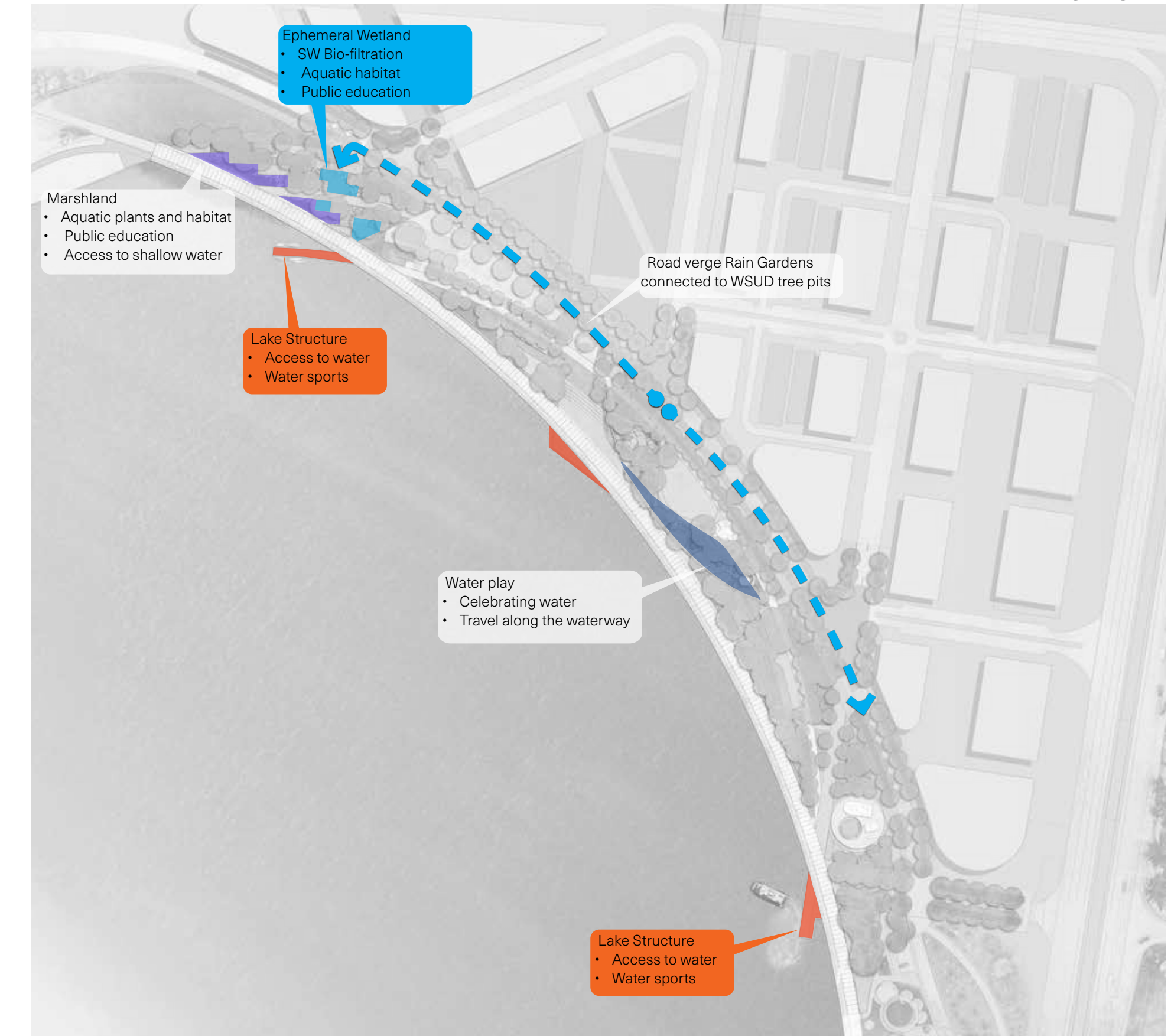
All street runoff will be collected and used for passive irrigation to the street trees along Barrine Drive. Furthermore the terrace will act as additional filtration with ephemeral bio-filtration wetlands. With site-specific vegetation, the system will also accommodate a micro aquatic ecosystem contributes to the local biodiversity and thus be part of WSUD showcase in the public realm.

INTERACTION WITH WATER

Using and celebrating water within the play space. Acknowledgment of the dammed Molonglo River with water play. The play elements allow water to be moved around through a series of pumps, gates, and along Molonglo river trench.

Key Moves are created with the future developments in mind to ensure a continuous connection.

OPTION E



STRATEGIES - COUNTRY



STRATEGIES - COUNTRY

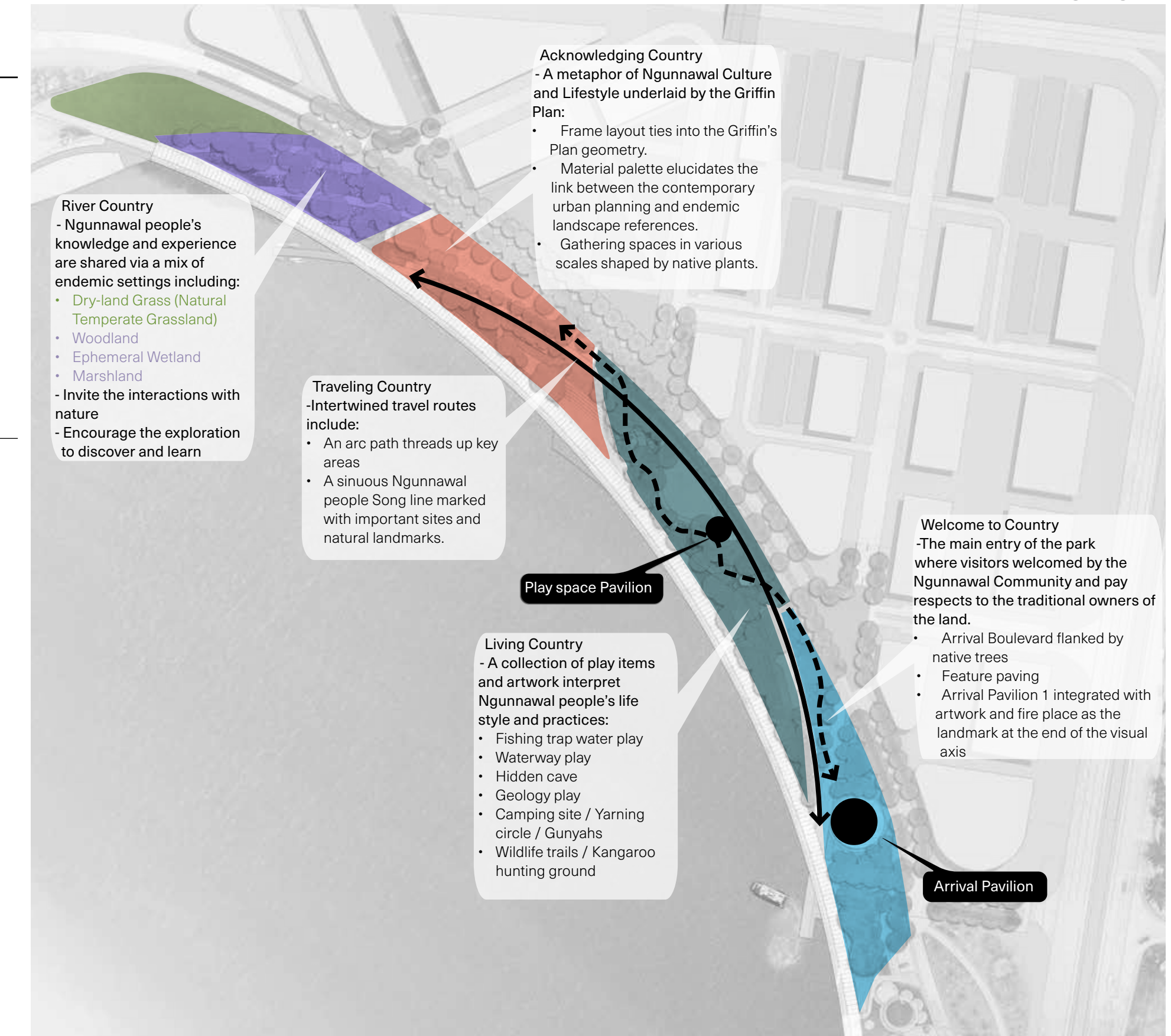
COUNTRY

THE CULTURAL SIGNIFICANCE

At the centre of West Basin waterfront, the park is with high cultural significance and visited by a wide range of groups. Inspired by the Story-telling and Truth-telling reports from the Community Engagement program, Landscape Design works with Ngunnawal Culture with various medias and forms to pass on the welcome from the Ngunnawal Country and the acknowledgment to the traditional landowner and custodians to the whole society. The interpretation includes artworks casting instant impressions to passersby, play items for kids to learn through playing and rich material / plant palettes encouraging the public to discover and appreciate.

Key Moves are created with the future developments in mind to ensure a continuous connection.

OPTION E



STRATEGIES - CONNECTION

CONNECTION

CONNECTION TO THE CONTEXT

Acton Waterfront Park is one of the main waterfront destinations within the short distance to the CBD. It is served by the public bus routes and will be further facilitated by the Light Rail by 2026. There are existing bike lanes and paths connecting the park to its surroundings.

Encouraging active transport with:

- Pedestrian links from the Light Rail stop on Commonwealth Road
- Shared bike lanes along the site edge joins to the West Basin Bike Loop
- The waterfront boardwalk joins to the West Basin Walking Trail

INTERFACE WITH THE ESTATE

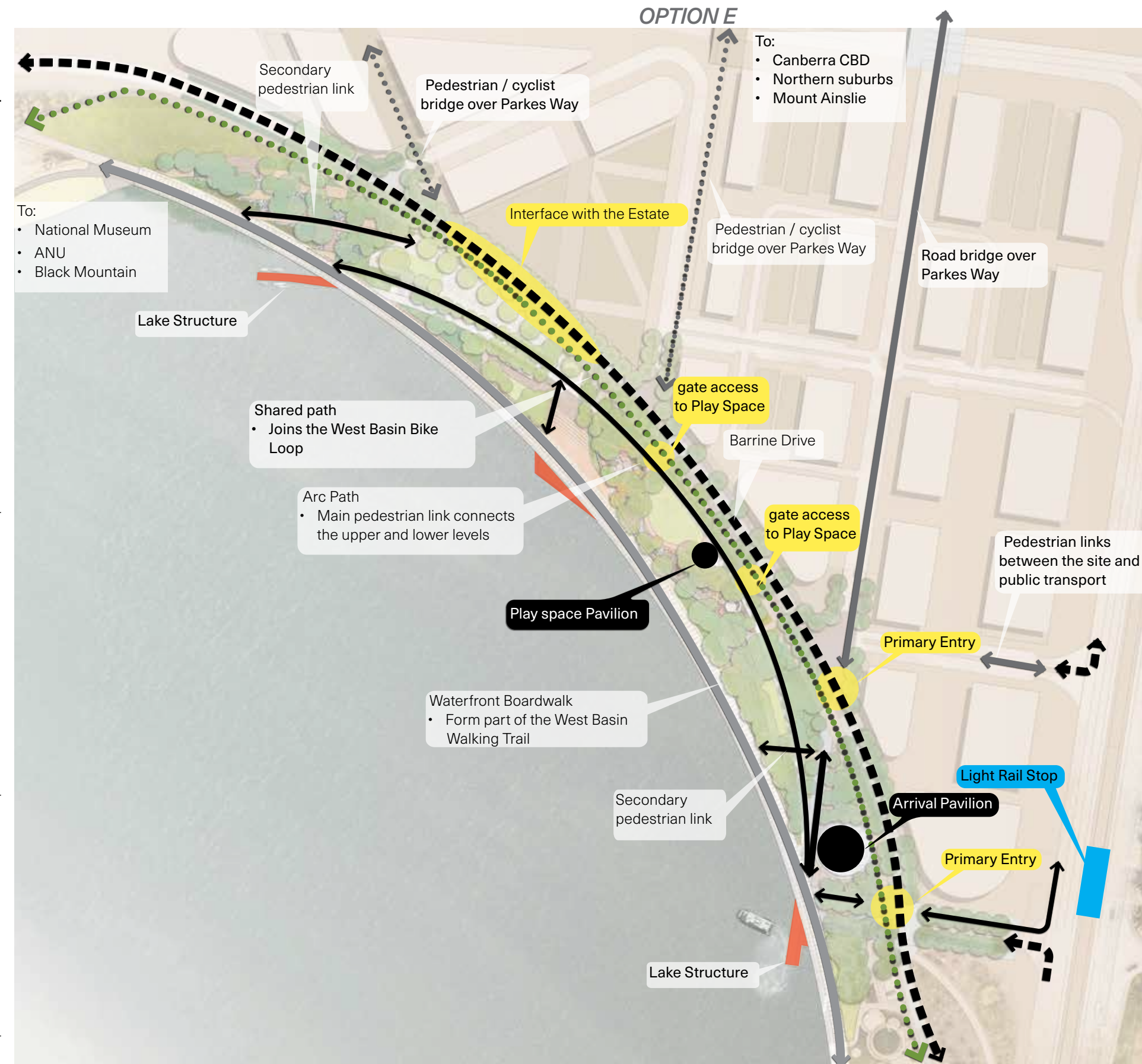
Acton Park has Barrine Drive as its North-East boundary shared with the Estate site. Visitors arriving from the City will access the park mainly via the Estate.

- Ensuring connection of main axis from the city to the waterfront
- Acton Park also has one special interface section shared with the Estate for large-scaled program events.

PEDESTRIAN LINKS WITHIN THE SITE

- Arc path as the main DDA compliant path links the upper and lower levels and is anchored by lake structures on both ends
- One DDA compliant boulevard through Arrival area as part of the main axis lining up with the road bridge, Park Main Entry, Arrival Pavilion and the lake structure
- Other secondary paths links upper and lower levels

Key Moves are created with the future developments in mind to ensure a continuous connection.



STRATEGIES - HEALTH AND RECREATION

HEALTH AND RECREATION

RECREATIONAL ACTIVITIES

By realigning the existing bike lanes and introducing the arc path to connect the site upper and lower levels, Landscape Design consolidates the recreational activities currently hosted at the site. A one-kilometre long water sports lake edge from the Beach to the Henry Rolland Park will be fully established with new lake structures introduced to the Acton Waterfront Park.

Other key facilities are also provided to encourage the public recreational activities including the two pavilions both with public amenities, commercial spaces and weather-protected gathering areas.

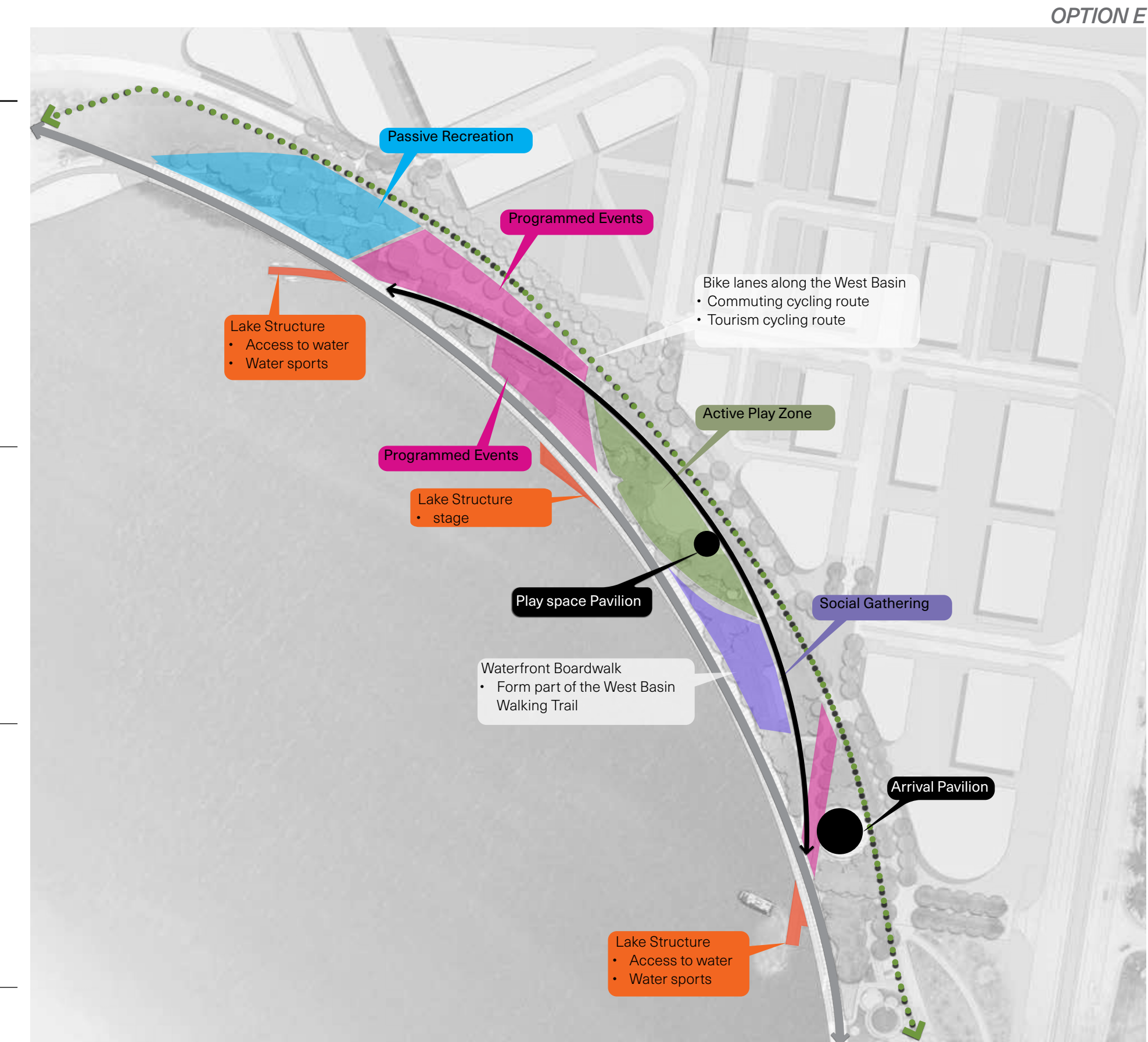
ACTIVE COMMUNITY DYNAMIC

The Community Park and Plaza areas are planned to support the interactive dynamics among the community with flexible spaces allow programmed events and holiday / weekend gathering take place sharing the same timeframe. In recognition of the value of quite spaces for the mental health in urban lives, quiet retreat spots are also provided for contemplation and connection to the nature at the Terraces with native vegetations and micro wildlife habitats.

PLAY EXPERIENCE AND LEARN

The Play Space is nestled on the top of the site overlooking the whole West Basin. Landscape Design intended to deliver an attraction draws all age groups especially Children away from isolated and digital lives. Acton Park will provide big range of play items and topics to produce a whimsical and immersive experience that encourages visitors' imaginations to run wild.

Key Moves are created with the future developments in mind to ensure a continuous connection.



STRATEGIES - HABITAT

DRYLAND GRASSES

A mix of native grasses, forbs, lilies and daisies



WETLAND

Native plant mix for shallow marshland / ephemeral water body



URBAN MASS PLANTING

A native plant species mix with low groundcover and high tree canopy



PLAYFUL WOODLAND

A selection of native species with ornamental and fun characters



URBAN MASS PLANTING

A combination of native species with multiple canopy layers. . A place to connect with the nature with scattered seatings.



BUSH TUCKER

A mix of native grasses, forbs, lilies and daisies



STRATEGIES - HABITAT

HABITAT

REBUILD THE CONNECTION

Proposing an endemic / native plant schedule, Landscape Design is committed to rebuild the foundation of the ecosystem which has been altered by the Urbanization and wiped out by the land reclamation project. Ngunnawal People have been using plants for various purposes including food, medicine, tools and weapons, fires and ceremonies. Reintroducing native species back to this highly urbanized site forms part of the Celebration of Ngunnawal Culture and the Knowledge sharing with the society..

SUPPORTING HABITAT

Despite the limited site size which is not enough to accommodate habitats for medium / large local faunas, with reintroduced native vegetation, it still can contribute to the broader ecosystem as a Supporting Habitat for highly mobile species.

MICRO HABITAT

A series of micro habitats mainly for amphibians and reptiles can be established based on the marshlands and ephemeral WSUD wetlands at both north and south ends of the site. Other planted areas are designed to provide seasonal food sources to wide range of species.

Key Moves are created with the future developments in mind to ensure a continuous connection.

OPTION E



LANDSCAPE CONCEPT

OPTION E

LANDSCAPE CONCEPT PLAN 53

CONCEPT FRAMEWORK 54

NGUNNAWAL COUNTRY 56

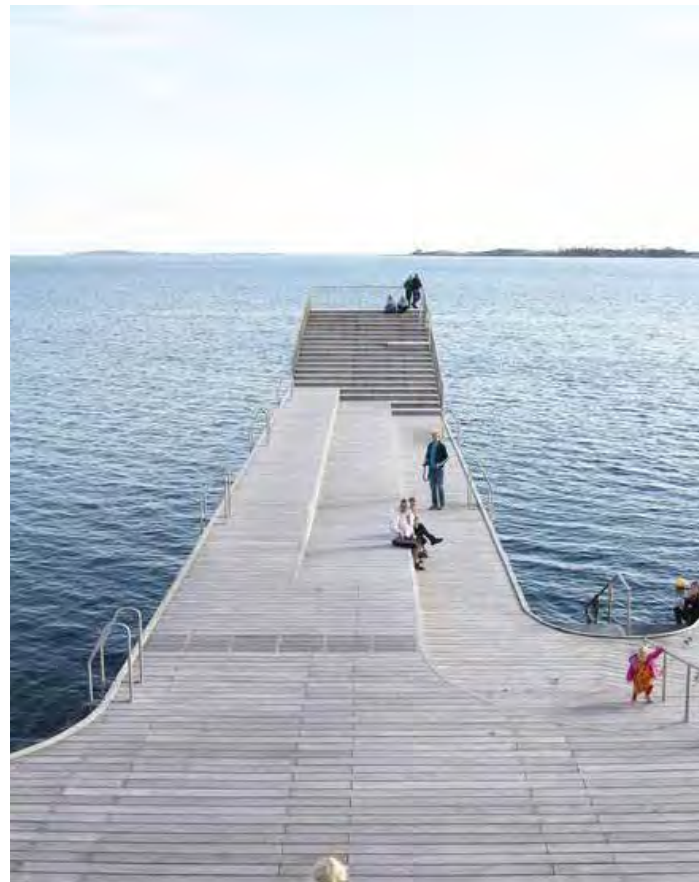
FIRST NATION NARRATIVE 57

TYPICAL SECTION BOARDWALK TO FUTURE DEVELOPMENT 58

LEVELS AND ACCESS 59

CIRCULATION AND ACCESS 61

MEASURES OF SUCCESS 62



LANDSCAPE CONCEPT PLAN

Acton Waterfront Park is a destination along Lake Burley Griffin and a connection of the city to the water. Catering for a range of activities, the park includes areas for play, gatherings, reflection, connection with water and nature as well as continuing connections for cyclists and pedestrians. The design of the park also responds directly to the future development and existing context

LEGEND

--- OPTION D for NCA Works

--- OPTION E Future works

OPTION D FOR NCA WORKS

- 1 Arrival
- 2 Community Park
- 3 Play Space
- 4 Plaza
- 5 Lower Plaza

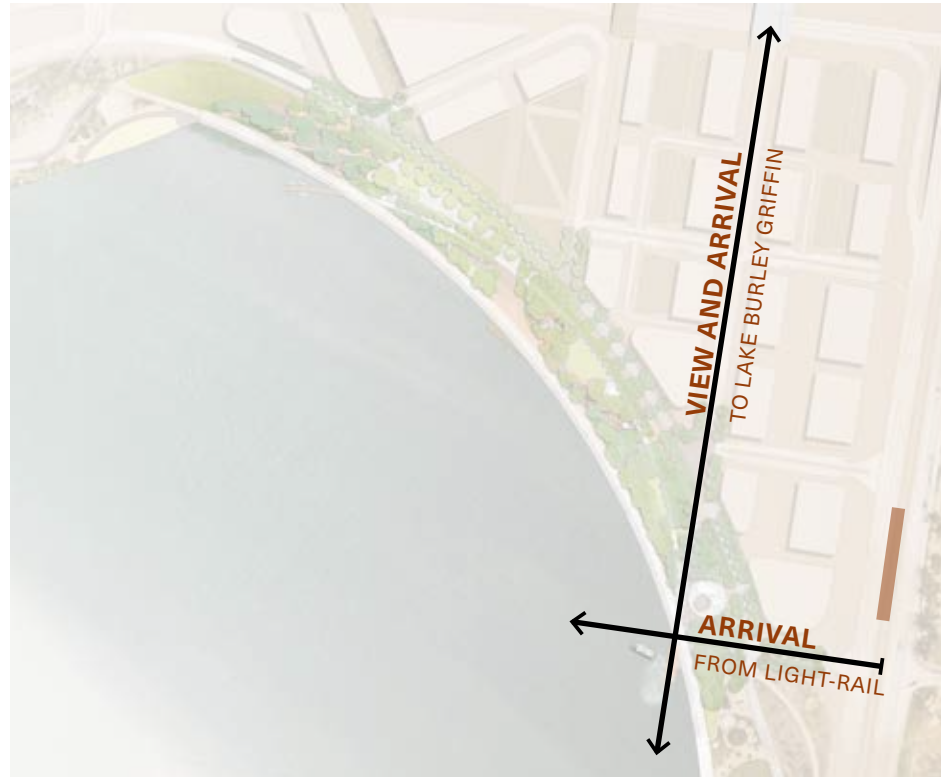
OPTION E FUTURE WORKS

- 6 Terraces
- 7 Barrine Drive
- 8 Albert street
- 9 Lake Structures



CONCEPT FRAMEWORK

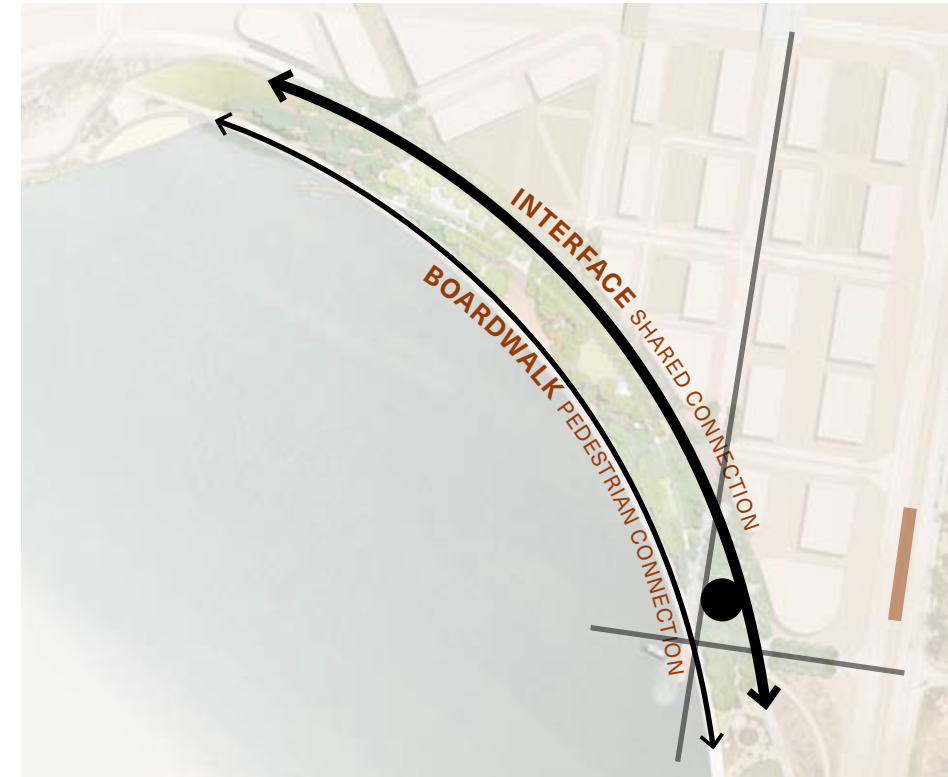
01



ARRIVAL TO ACTON WATERFRONT

Key connections from the city through main st and direct arrival from new light rail stop. Both arrivals connecting at the waterfront boardwalk and to Lake Burley griffin

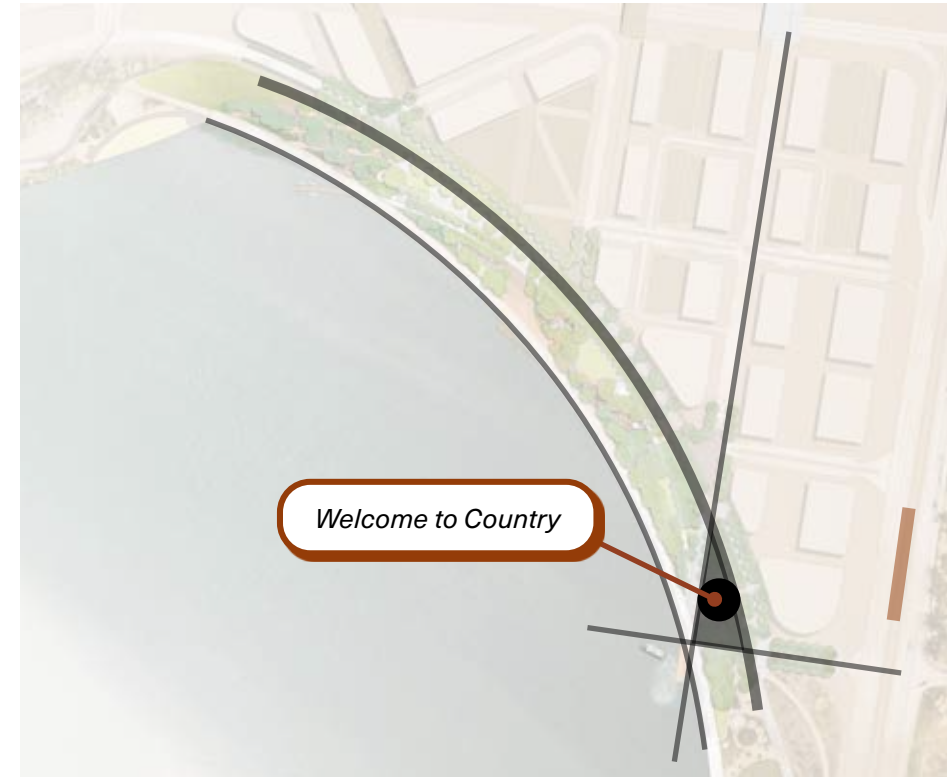
02



CONNECTION TO ITS CONTEXT

Continuing Barrine drive as a key interface between future development and Acton Waterfront Park. Reflecting the geometry of the existing Boardwalk.

03



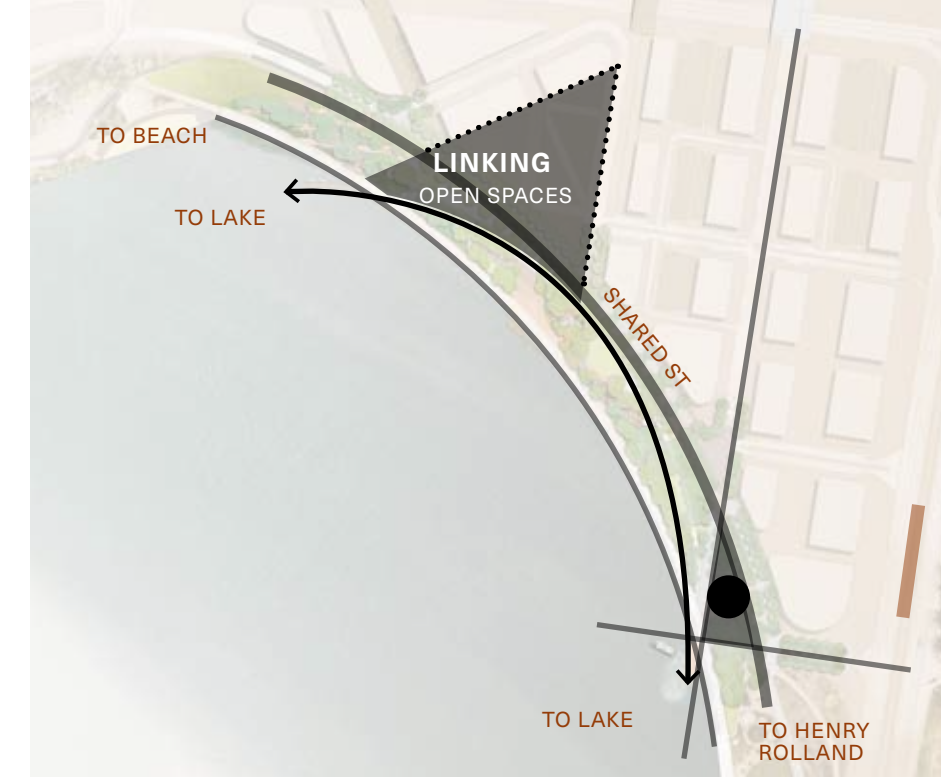
WELCOME TO COUNTRY

Both arrivals connecting along the waterfront create a key node and landmark to the site. A welcome to country, a welcome to Acton waterfront Park.

CONCEPT FRAMEWORK

OPTION E

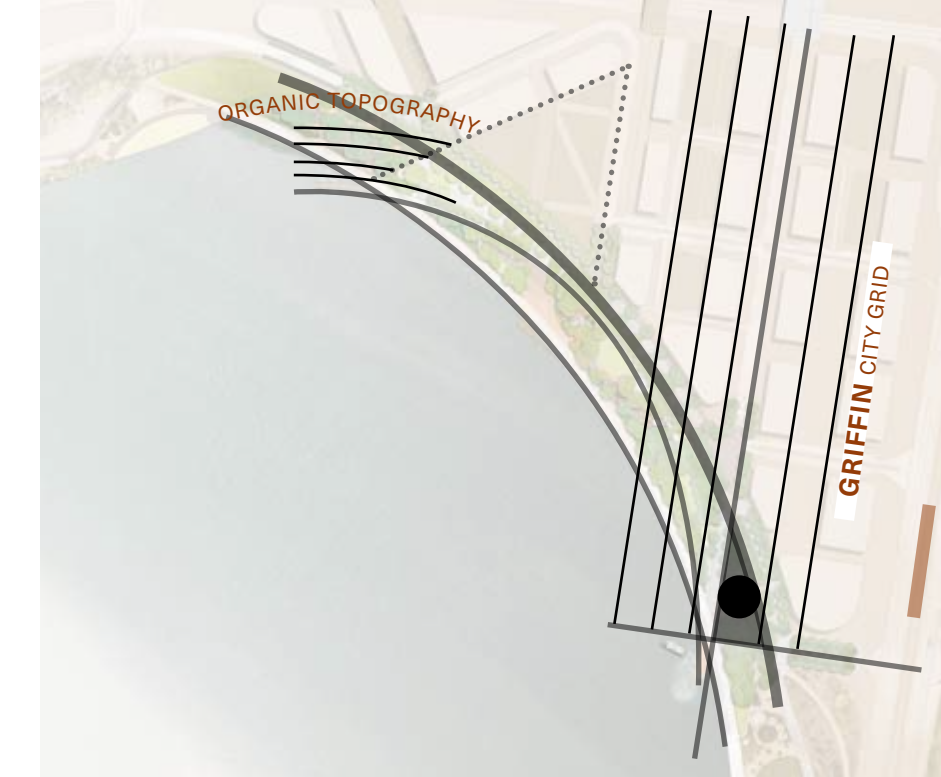
04



LINKING OPEN SPACES

Proposed large open space in the future development is connected into the park and to the waterfront to create a hub and larger open space for events. An Arched path is proposed to connect open spaces

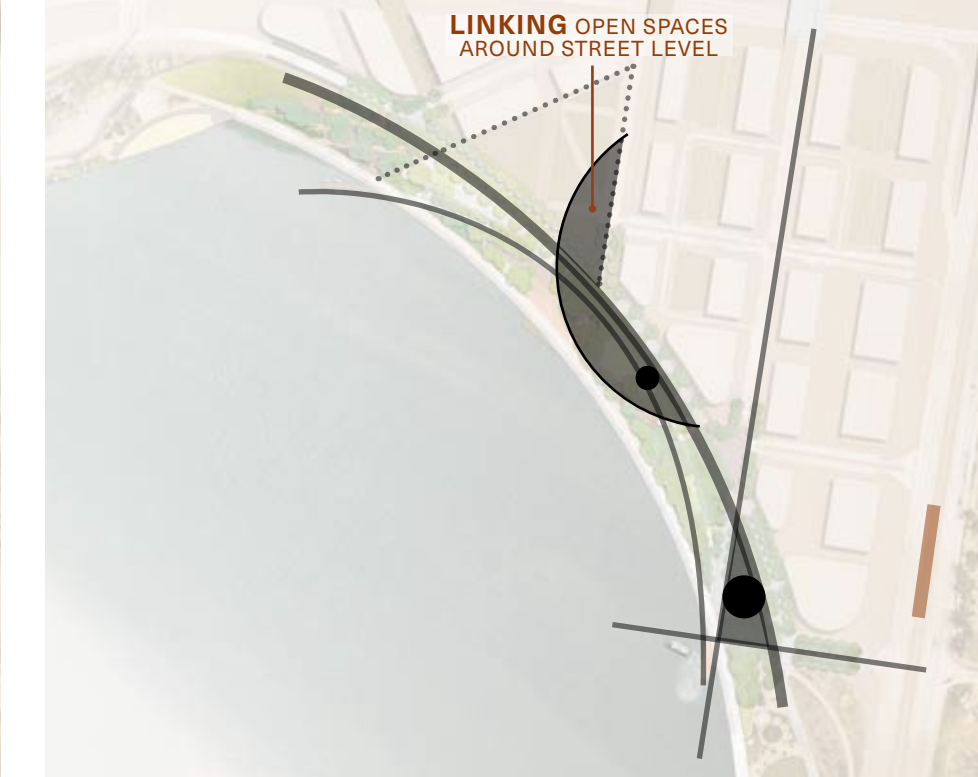
05



ACKNOWLEDGMENT OF COUNTRY

A response to the existing topography and Griffin plan for Canberra. The geometry of the park overlaps both

06

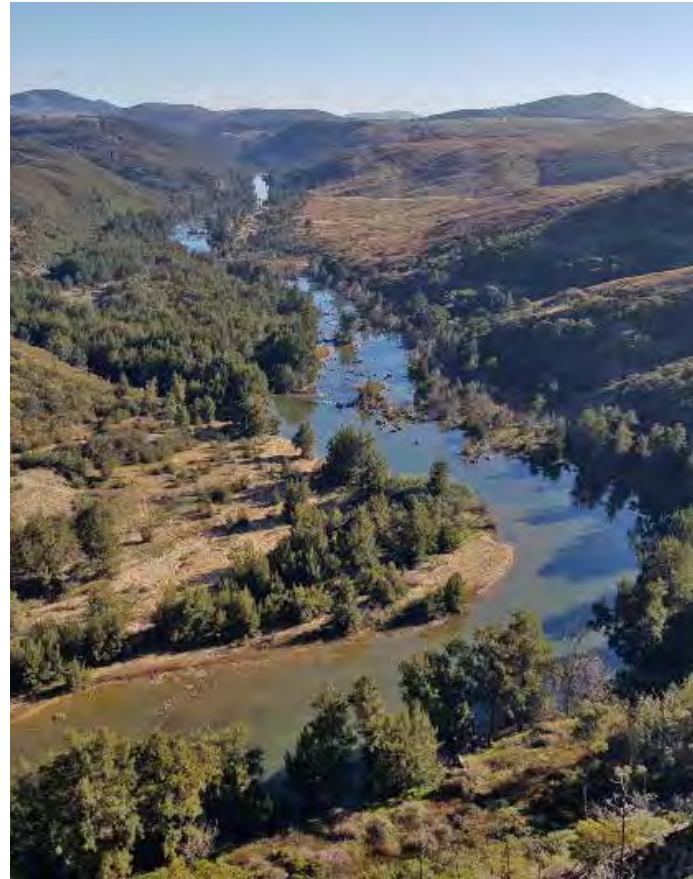


LINKING WATERFRONT TO URBAN ACTON

Ensuring a strong connection in levels with the future development. Creating an area above the boardwalk level and a strong connection at the street scape level.

NGUNNAWAL COUNTRY

Molonglo river



granite boulders



Limestone outcrops and caves



endemic planting



shelter



local fauna



mount Ainslie



black mountain

FIRST NATION NARRATIVE

Working with the Ngunnwal community and Yerrabingin Key design narrative were identified and working into the design of the park.

LEGEND

- - - OPTION D for NCA Works

- - - OPTION E Future works



ARTWORK PRECEDENTS



ARTWORK OPPORTUNITIES

From Public Art Plan April 2023 By FORM. Reference only. To be detailed further with nominal Community and Artists.

LEGEND

--- OPTION D for NCA Works

OPTION D FOR NCA WORKS

Iconic Opportunity - Stand-alone Statement or Marker

- A** Make a striking statement that significantly adds to the identity of the site.
 - Artwork is nationally and potentially internationally recognisable and functions as a symbol of place.

Play Discovery

- B** A small to medium scale work that provides opportunity for interaction, enjoyment and learning through play. To be located within the Playspace / Community areas of the park.

Trail Discovery

- C** A curated selection of interrelated, stand-alone or integrated artworks of small to medium scale, strategically placed throughout the park's landscapes to create one cohesive collection of artworks to be discovered.

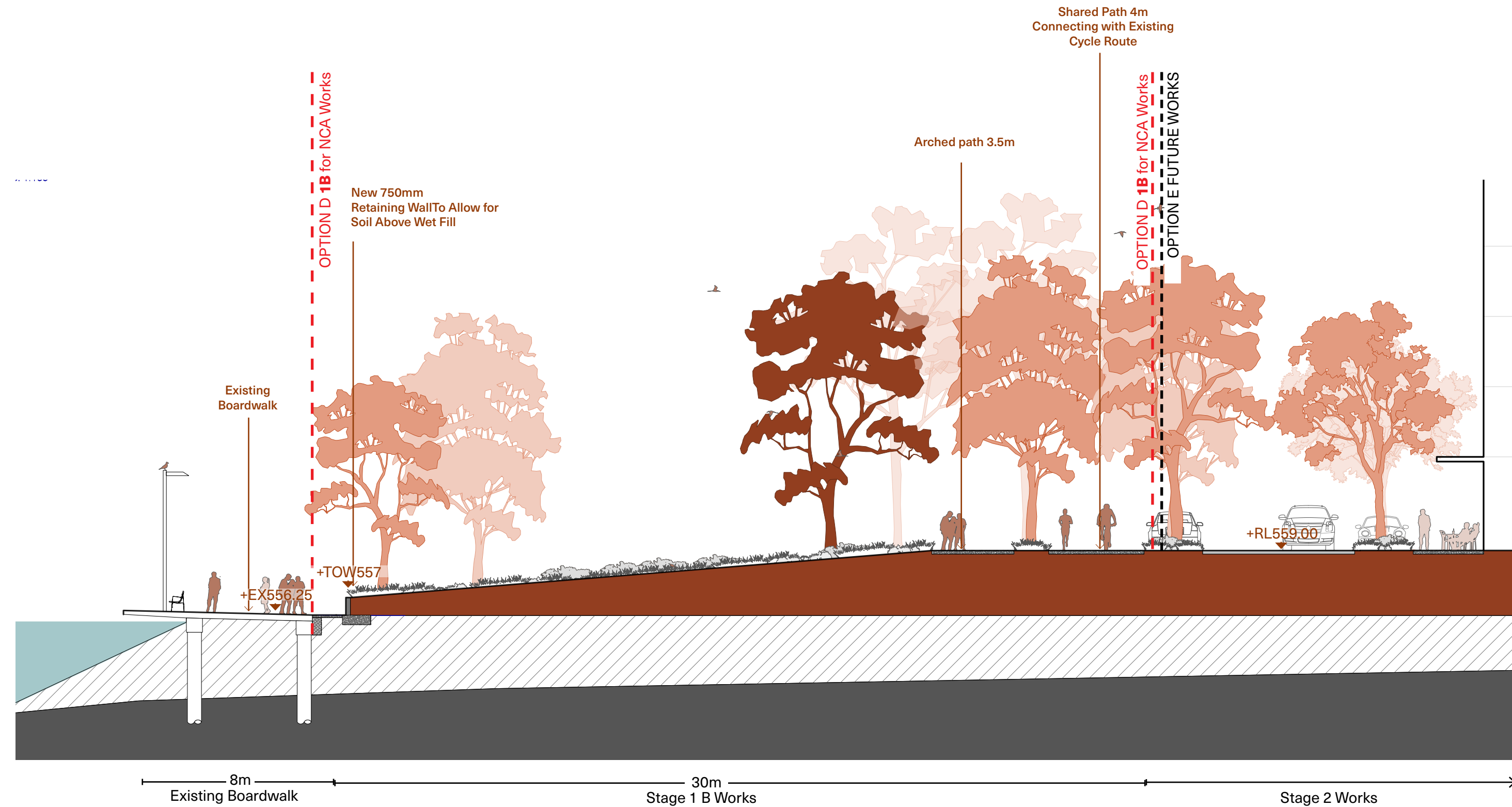
Groundplane Treatment Integrated

- D** 'A Landscape of Stories', graphics and motifs can be integrated onto groundplane surfaces across the site, such as the Cross Site Pathway that acts as a main conduit for travel between each of the six landscape areas. Outcomes may be sandblasted, engraved or cast into the pavement. Artistic outcomes should celebrate the traveling culture of the Ngunnawal people, while encouraging movement and exploration of the park.



TYPICAL SECTION BOARDWALK TO FUTURE DEVELOPMENT

PLAY SPACE STAGE 1A



LEVELS AND ACCESS

Acton Waterfront Park levels are working with to connect existing and future projects and ensure accessibility whilst maximising usability of the site.

Ensuring connections to:

Future development - RL 559

Existing boardwalk - EX 556.25

Albert st - EX 557

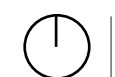
Henry Rolland Park- EX 557

LEGEND

- - - OPTION D for NCA Works
- - - OPTION E Future works
- General Falls
- +EX Existing levels
- +RL Relative levels



OPTION E



CIRCULATION AND ACCESS

Equitable access across the site maximises participation and social inclusion of the community within the public realm. Where possible level and ramps are provided to access all key areas of Acton waterfront



LEGEND

- - - OPTION D for NCA Works
- - - OPTION E Future works
- ↔ DDA compliant Pedestrian circulation and access
- ↔ Stair access
- ↔ Shared path- cyclist and pedestrians
- T Accessible toilets
- Pavilion - Arrival
- Pavilion - Play space

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MEASURES OF SUCCESS

KEY THEMES

Key themes that emerged from consultation with equal priority through the consultation were delivering a park that:



SUPPORT A WIDE RANGE OF ACTIVITIES



EASY TO GET TO AND IS CONNECTED TO ITS SURROUNDS



HAS WATER FEATURED AND CELEBRATED

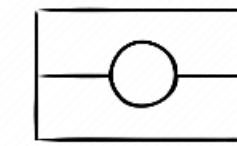
COMMENTS

RESPONSE

MEASURES OF SUCCESS: A PARK THAT HONOURS NGUNNAWAL CULTURE / CULTURE, COMMUNITY AND TRADITIONAL CUSTODIANS	
Recognise and acknowledge Ngunnawal culture and heritage	We will collaborate with Traditional Custodians to create integrated artwork, native landscaping, and educational play spaces throughout the estate and the park.
MEASURES OF SUCCESS: A PARK THAT HONOURS NGUNNAWAL CULTURE / CULTURE, COMMUNITY AND TRADITIONAL CUSTODIANS	
Genuine inclusion and accessibility across all	The precinct has been subject to DDA reviews to ensure high-quality accessibility across the whole site. We will sustain this approach throughout the project.
Potential for pedestrian and cyclist conflict and a desire to see the separation of cycling and e-scooters from pedestrian areas.	In response to this feedback, we have widened the proposed shared path in the park from 3.5m to 4m along the adjacent road, enhancing the principal shared path in this area. The detailed design phase for the estate will include further work on active travel networks, way-finding and signage.
Ensure good pedestrian access from Civic and surrounding areas.	Planned. Connectivity is a founding design principle for the Acton Waterfront. Connections to the park and the future estate development have been tested, and provision is made for active transport, pedestrian and cyclist loops
Concerns about the safety of crossings on the road between the park and the estate.	Multiple traffic control methods will be adopted to ensure pedestrian safety in this area, such as traffic-calming pinch-points and varied paving to slow down vehicle speed around pedestrian crossings and shared zones.
Ensure ample provision of affordable longer stay car parking to support access for those who do not have convenient public transport	As the park is delivered parking will be reviewed as part of other major infrastructure projects in the area. Parking will be included within the future Estate Development site.

MEASURES OF SUCCESS

OPTION E



HONOURS NGUNAWAL CULTURE



IS ACCESSIBLE AND INCLUSIVE



IS SAFE AND HAS A VERY HIGH LEVEL OF AMENITIES

COMMENTS

RESPONSE

MEASURES OF SUCCESS: GREEN AND SUSTAINABLE / SUSTAINABILITY, CLIMATE COOLING AND NET ZERO	
Reduce the amount of hard surfaces and hard stand areas by including more trees and planting for shade, cooling and supporting wildlife.	Planned. The current park design comprises: <ul style="list-style-type: none"> • 87% permeable surfaces, including Temperate Native Grassland, Mass Planting, Lawn and Deco granite for a pop-up event venue. • 31% Canopy, including Tree Canopy, Building and Shade Structure Canopies. This feedback has also been noted for the next phase of estate planning.
Ensuring safety of the park at night, balanced with the impact of lighting on wildlife.	Planned. All major paths are to be illuminated with standard lighting. Spaces throughout the park will create an urban woodland and potential small animal habitat where minimum lighting occurs.
MEASURES OF SUCCESS: A PARK THAT SUPPORTS A WIDE RANGE OF ACTIVITIES	
The extent and diversity of activities offered within the park and the potential for over-activation.	The Acton Waterfront precinct aspires to provide more event and recreation opportunities for the precinct. The ratio of designated function areas, flexible event space and passive recreational areas will ensure the overall site can readily accommodate multiple activities and user groups simultaneously.
Introduce facilities to provide weather protection in summer and winter.	Temporary shade cover will be provided until significant canopy coverage is achieved. There are two major permanent shade structures planned for the park: <ul style="list-style-type: none"> • Arrival Pavilion 1: enclosed / under-roof dining spaces and weather-proof roof seating spaces. • Play Space pavilion 2: A semi-enclosed changing room and weather-proof roof seating spaces. This feedback has also been noted for the next phase of estate planning.

OPTION D

FOR NCA WORKS APPROVAL

OPTION D FOR NCA WORKS APPROVAL	66
CIRCULATION AND ACCESS	67
TYPICAL SECTION ACTON WATERFRONT PARK TO EXISTING CARPARK	68
TYPICAL SECTION	68
LEVELS AND ACCESS	69
FURNITURE PALETTE	70
MATERIAL PALETTE	71
ARRIVAL	73
COMMUNITY PARK	85
PLAY SPACE	95
PLAY SPACE - WATER PLAY ZONE	107
PLAY SPACE - ADVENTURE PLAY ZONE	111
PLAZA	119

OPTION D FOR NCA WORKS APPROVAL

Landscape Design endeavours to deliver a vibrant site for all user / community groups with interwoven spaces of plaza, urban park, amphitheatre, playground, lawn and boulevard. Option D design is ensuring connection with existing carpark, allowing for vehicular connections for emergencies and event setup.

LEGEND

- OPTION D 1A for NCA Works
- OPTION D 1b for NCA Works
- 1** Arrival
- 2** Community Park
- 3** Play Space
- 4** Plaza
- 5** Lower Plaza
- 6** Temporary Embankment Grassland
- 7** Temporary Gathering Space
- Pavilion - Arrival
- Pavilion - Play space



CIRCULATION AND ACCESS

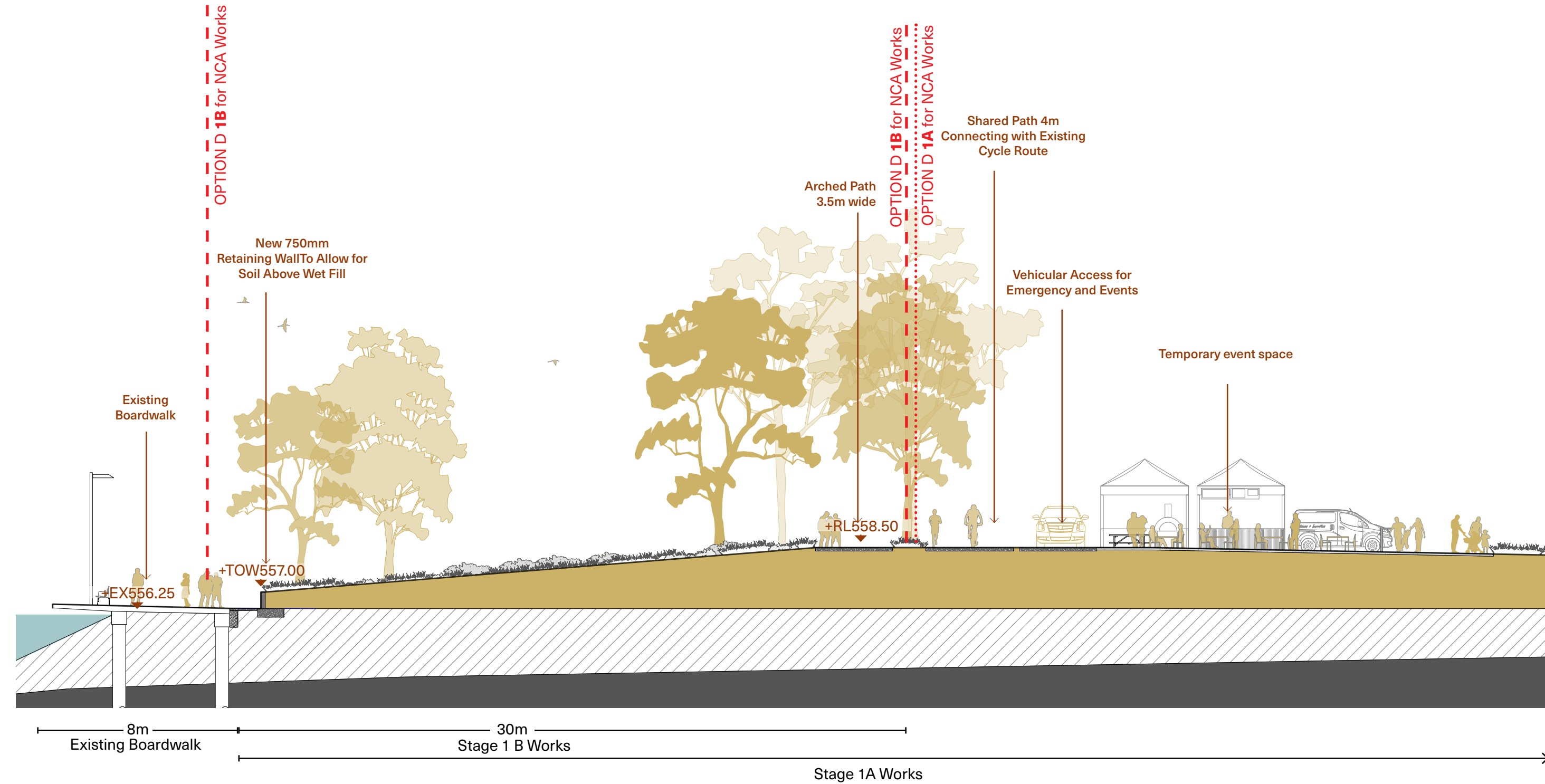
LEGEND

- OPTION D 1A for NCA Works
- OPTION D 1b for NCA Works
- DDA compliant Pedestrian circulation and access
- Stair access
- Shared path- cyclist and pedestrians
- Existing access
- Accessible toilets
- Pavilion - Arrival
- Pavilion - Play space



TYPICAL SECTION ACTON WATERFRONT PARK TO EXISTING CARPARK

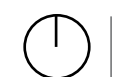
COMMUNITY PARK STAGE 1A



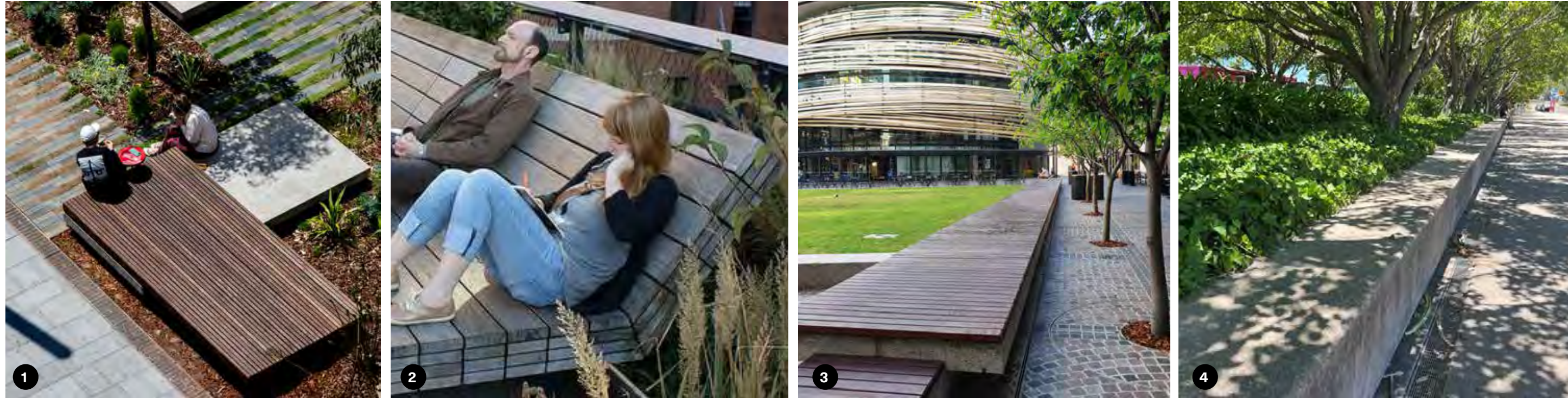
LEVELS AND ACCESS

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works
- General Falls
- +EX Existing levels
- +RL Relative levels

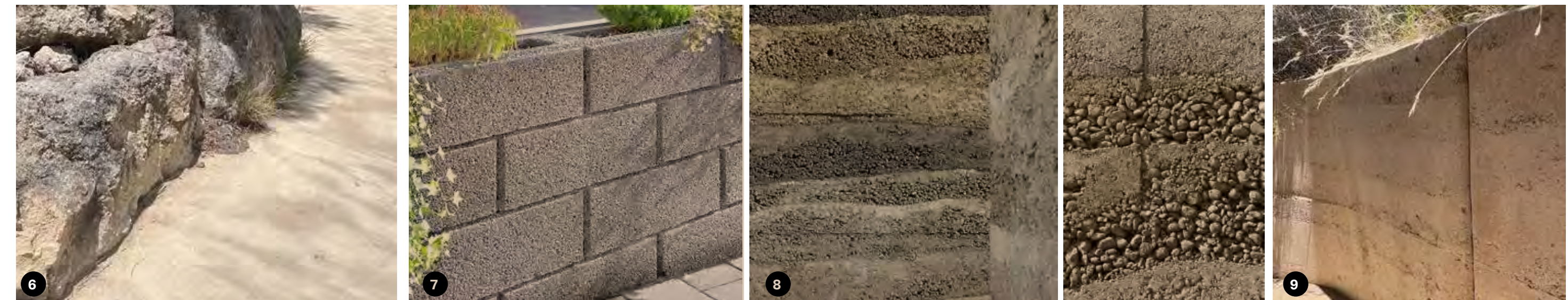


FURNITURE PALETTE



- 1. Arrival Plaza Setting Platforms
- 2. Lounge Bench Plaza
- 3. Boardwalk Bench
- 4. Seating Wall
- 5. Bin Enclosure - General waste and recycling
- 6. Picnic Setting varied size
- 7. Drinking Fountain + Dog Bowl
- 8. BBQ electric and DDA compliant
- 9. Bike Repair Station
- 10. Bike Hoop
- 11. Bollard

MATERIAL PALETTE



- 1. Asphalt Fire Truck Access - Heavy Vehicle Grade
- 2. Insitu Concrete - Pedestrian Grade
- 3. Insitu Concrete - Vehicle Grade
- 4. Concrete Unit Paver - Light Vehicle Grade
- 5. Timber Deck
- 6. Compacted Deco Granite
- 7. Playspace Retaining Wall Stage 1A
- 8. Playspace retaining Wall Stage 1B
- 9. Retaining wall



Montage by Mark Gerada
ACTON WATERFRONT PARK- SKETCH PLAN OPTION D _ DESIGN REPORT REV01



ARRIVAL

ARRIVAL AVENUE

6m wide arrival avenue from West road to the Pier. plus 3m with seating, Avenue tree planting to continue Griffin plan for Canberra.

ALBERT ST

Pedestrian connection to waterfront and vehicular connection to Henry Rolland Park and existing carpark

PAVILLION

Welcome pavilion - Accessible toilets, change rooms and Cafe
Molonglo River proximity- Narration on the river and its significance

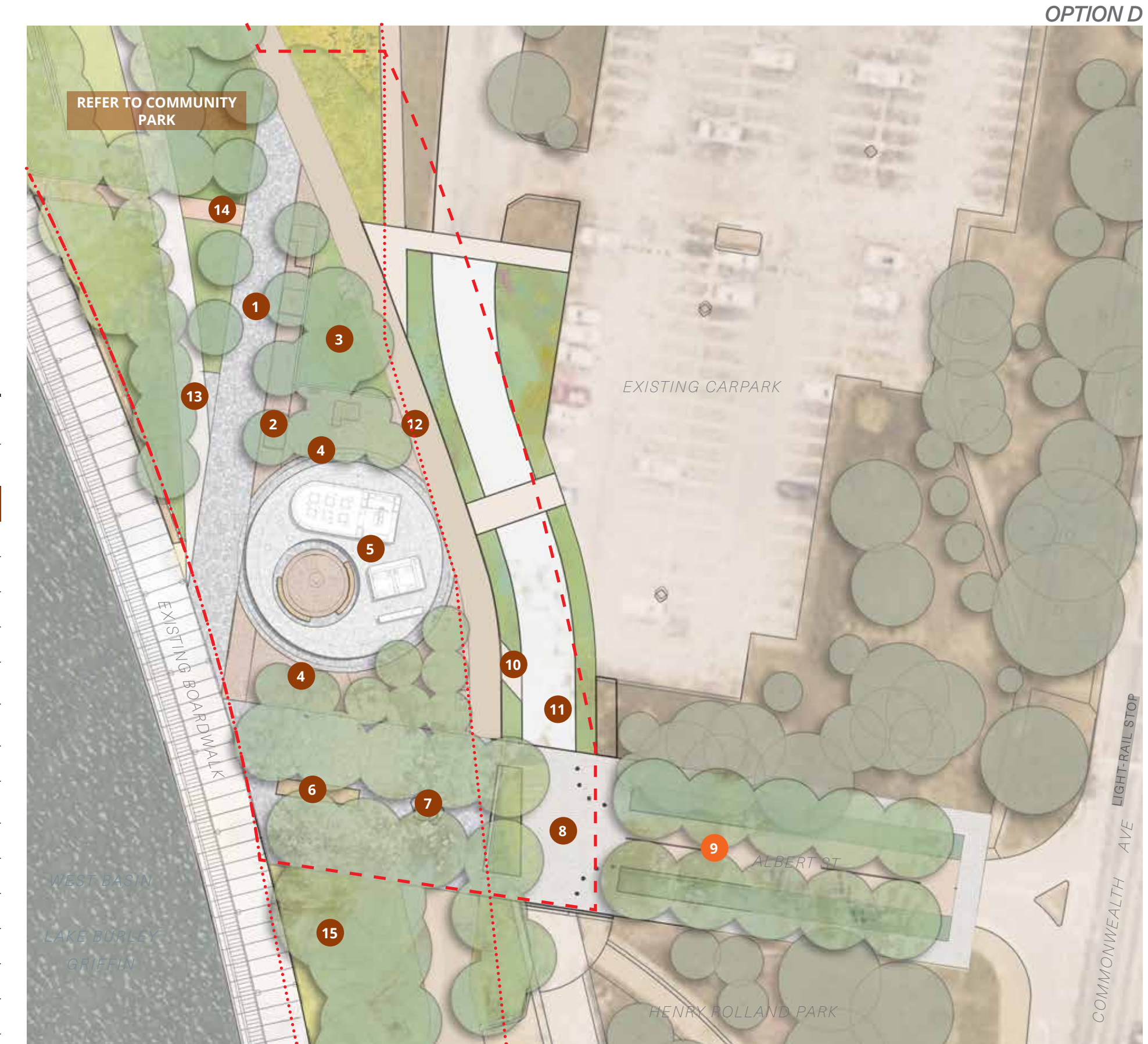
LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Main Axis - 6m wide feature paving avenue. Tree lined
- 2 Main Axis 3m edge on deco granite with seating platforms
- 3 Raised planted area with low wall
- 4 Forecourt - decogranite seating area with tree grid
- 5 Arrival Pavilion - cafe, facilities, ceremonial space - refer to architecture
- 6 Albert Street arrival to Lake burley griffin- Avenue of trees with seating
- 7 Art element - Welcome to Country
- 8 Barrine Drive Junction- Exsiting Albert st to Henry Rolland Park and Existing carpark
- 9 **Albert Street - Future works - designed to connect with Arrival**
- 10 Barrine Drive connection to existing carpark
- 11 Pedestrian connection from existing carpark to Albert st
- 12 Shared path 4m wide- cyclist connection to cyle loop
- 13 Arched path 3.5m wide- connection to Community Park
- 14 Access path from Main Axis to arched path
- 15 New planting and pedestrian connection from Henry rolland to Arrival



TYPICAL SECTION

ARRIVAL



LEVELS AND ACCESS

ARRIVAL

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works
- \rightarrow General Falls
- +EX Existing levels
- +RL Relative levels



PLANTING PALETTE

ARRIVAL

The arrival at Acton Waterfront Park the overlap and relationship of two cultural layers of the site. Ngunnawal Country and Griffin plan for Canberra. Two axis merging into one by the waterfront.

Avenue planting is allowed for on both axis to celebrate the importance of both cultural layers.

Arrival from the city is a direct response to Griffin plan for Canberra and therefore a deciduous specy is used

Arrival from Commonwealth avenue is celebrated with native avenue planting



TREE PLANTING

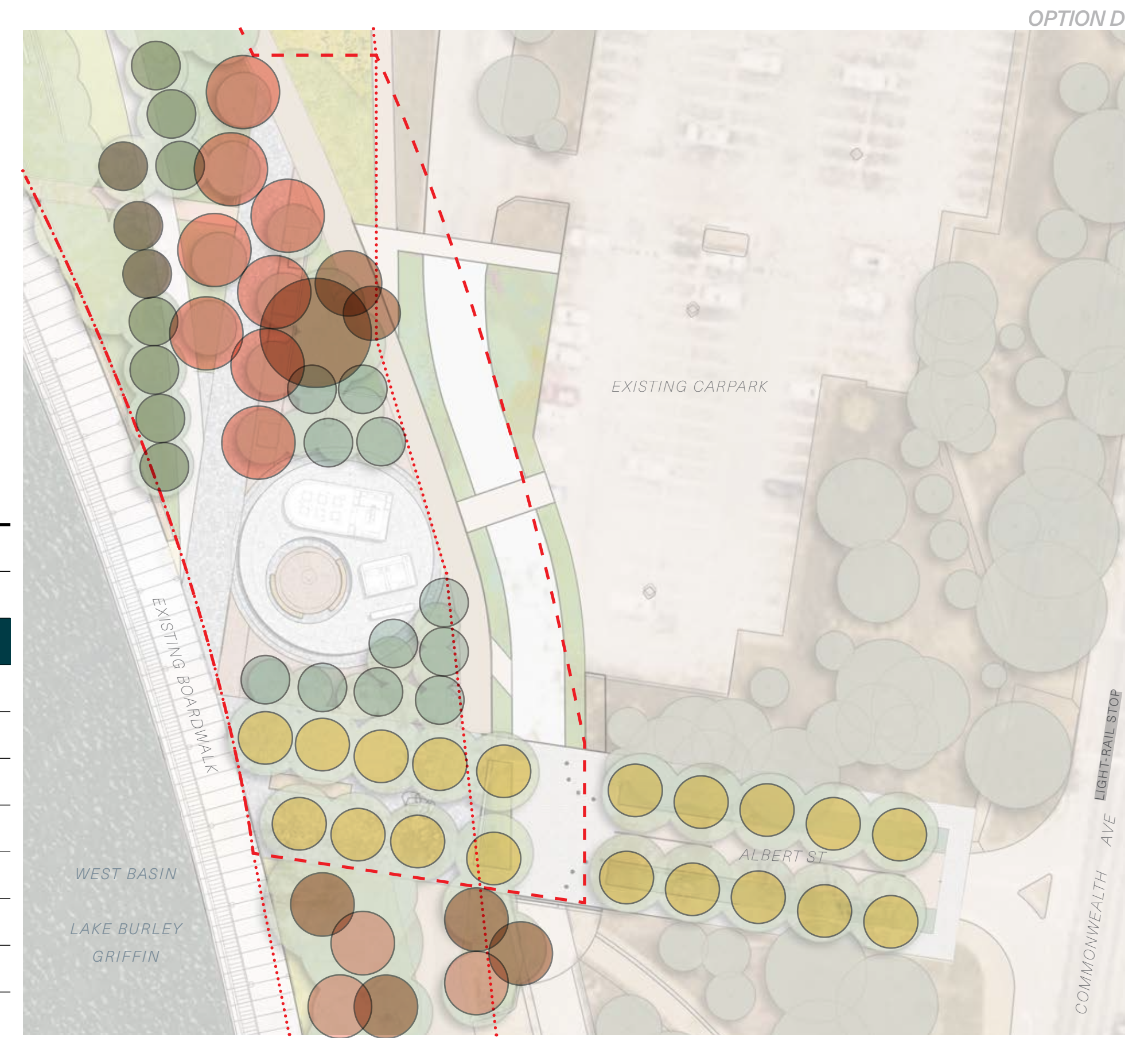
ARRIVAL

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works

TREES

- *Eucalyptus amplifolia*
- *Eucalyptus mannifera*
- *Eucalyptus mannifera* 'Little Spotty'
- *Eucalyptus michaeliana*
- *Eucalyptus rubida subsp Rubida*
- *Eucalyptus sideroxylon* 'Rosea'
- *Eucalyptus sideroxylon*
- *Quercus rubra*



PLANTING PALETTE

ARRIVAL



MASS PLANTING

ARRIVAL

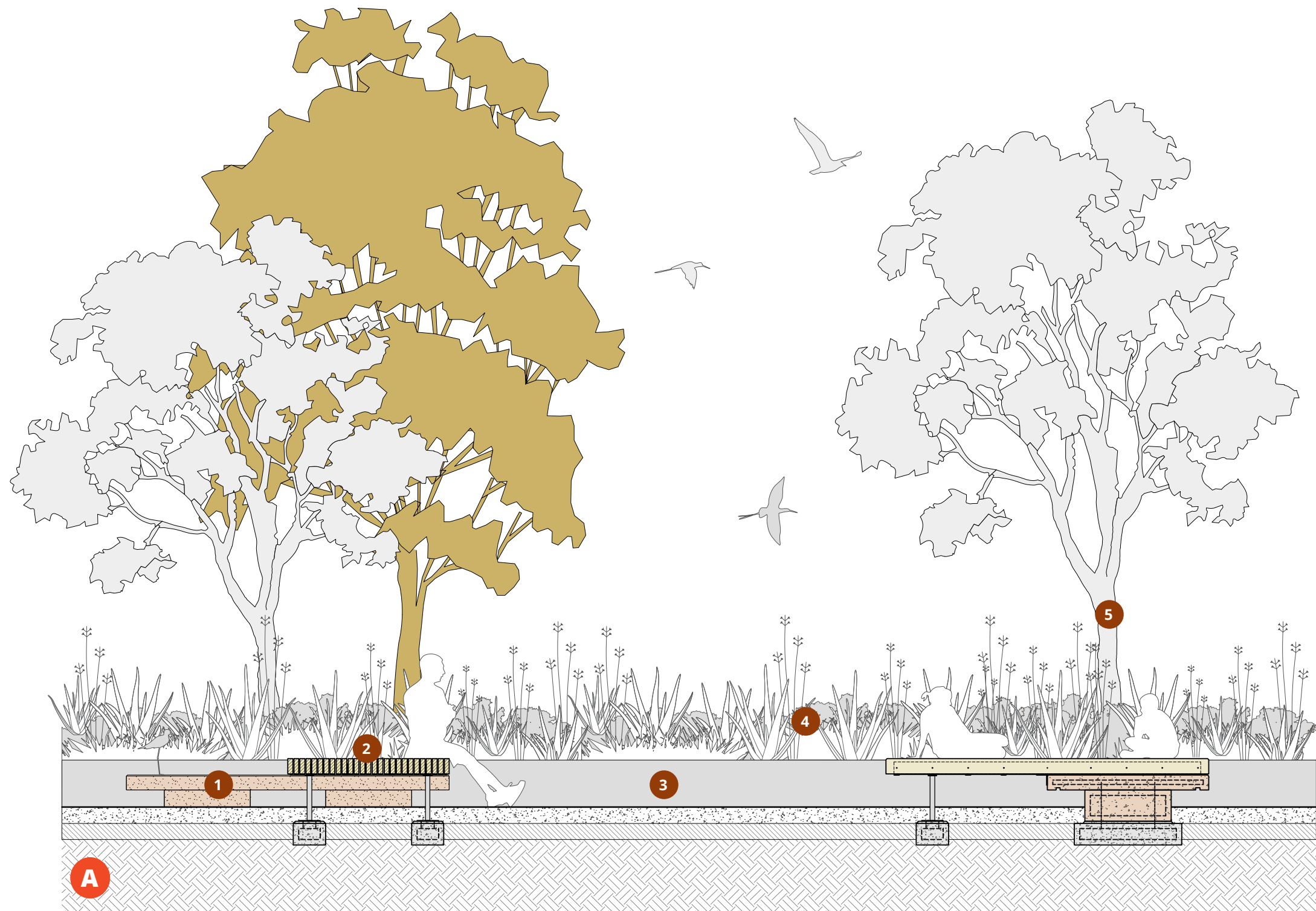
LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works

MIX 02

- Callistemon 'Little John'*
- Calocephalus citreus*
- Correa 'Canberra Bells'*
- Correa reflexa var. reflexa*
- Einadia tomentosa*
- Grevillea juniperina 'Gold Cluster'*
- Grevillea juniperina 'New Blood'*
- Lomandra 'Frosty Tops'*
- Lomandra longifolia 'Tanika'*
- Pycnosorus globosus*





- 1. Feature seating platform - part 1 stone
- 2. Feature seating platform - part 2 hardwood timber
- 3. Low 500H wall retaining mass planting
- 4. Mass planting area along main Axis
- 5. Avenue trees regular spacing in deco granite



MATERIAL AND FURNITURE PALETTE

ARRIVAL

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works
- 1 Arrival plaza seating platforms
- 2 Bike repair station
- 3 Albert Street Seating Platform
- 4 Art Element Welcome to Country
- 5 Drinking Fountain
- 6 Bins Enclosure - General Waste and Recycling
- 7 Bike hoops
- A Feature Paving type 1
- B Feature Paving type 2
- C Pedestrian grade concrete paving
- D Vehicular grade concrete paving
- E Stabilised decomposed granite
- F Asphalt Road

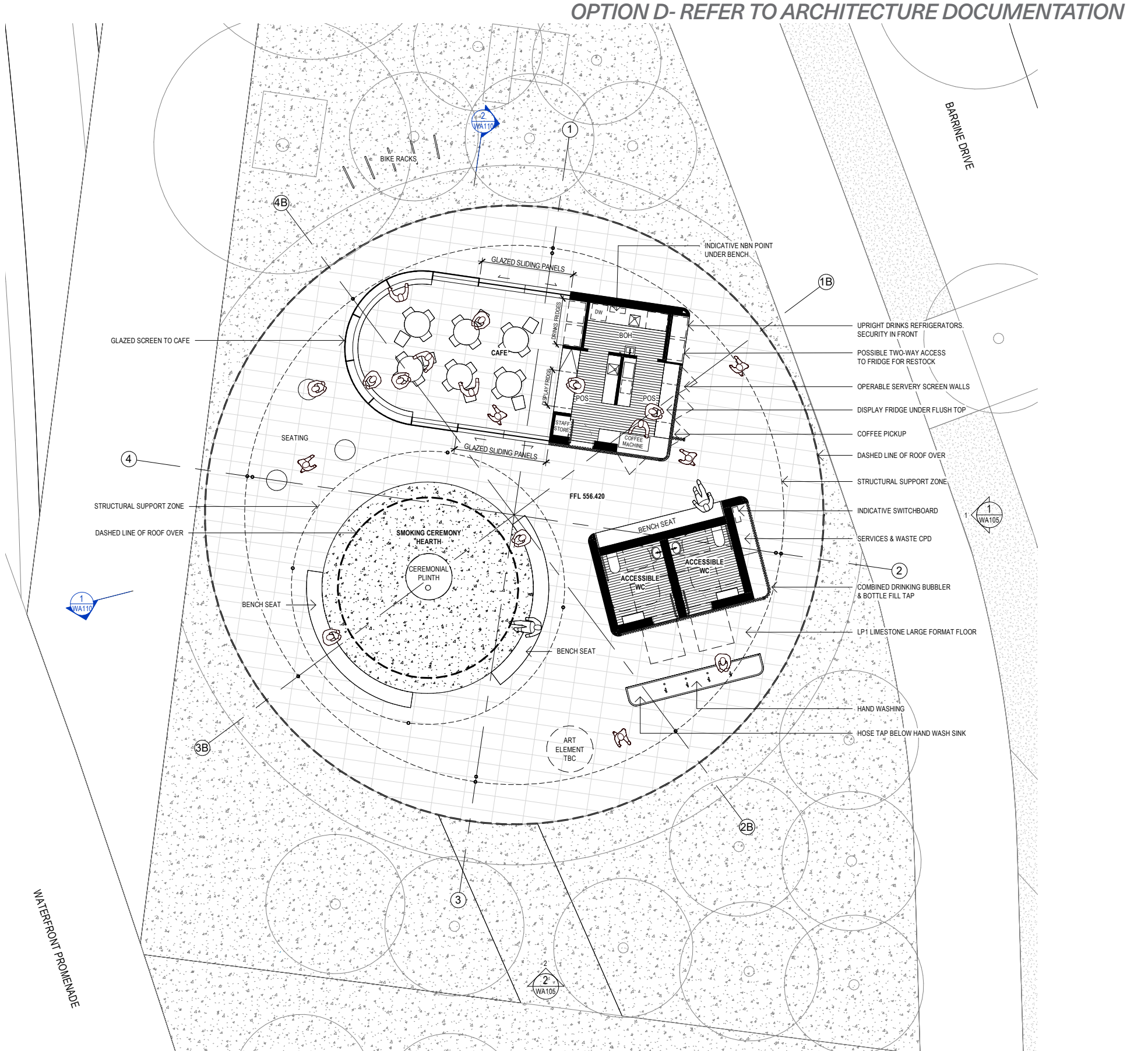




OPTION D- REFER TO ARCHITECTURE DOCUMENTATION

ARRIVAL PAVILION

ARRIVAL



OPTION D- REFER TO ARCHITECTURE DOCUMENTATION

COMMUNITY PARK

TERRACED GATHERING AREAS

BBQs, Shelter, Picnic tables and seating, Drinking Fountain,

TURF AREA

open turf areas for kick about picnics

GARDEN BEDS

Imported raised soil above existing wet fill
Native planting, bush tucker, shade trees, feature planting Bush Tucker garden surrounding BBQs for ease of use and access when gathering for food events

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

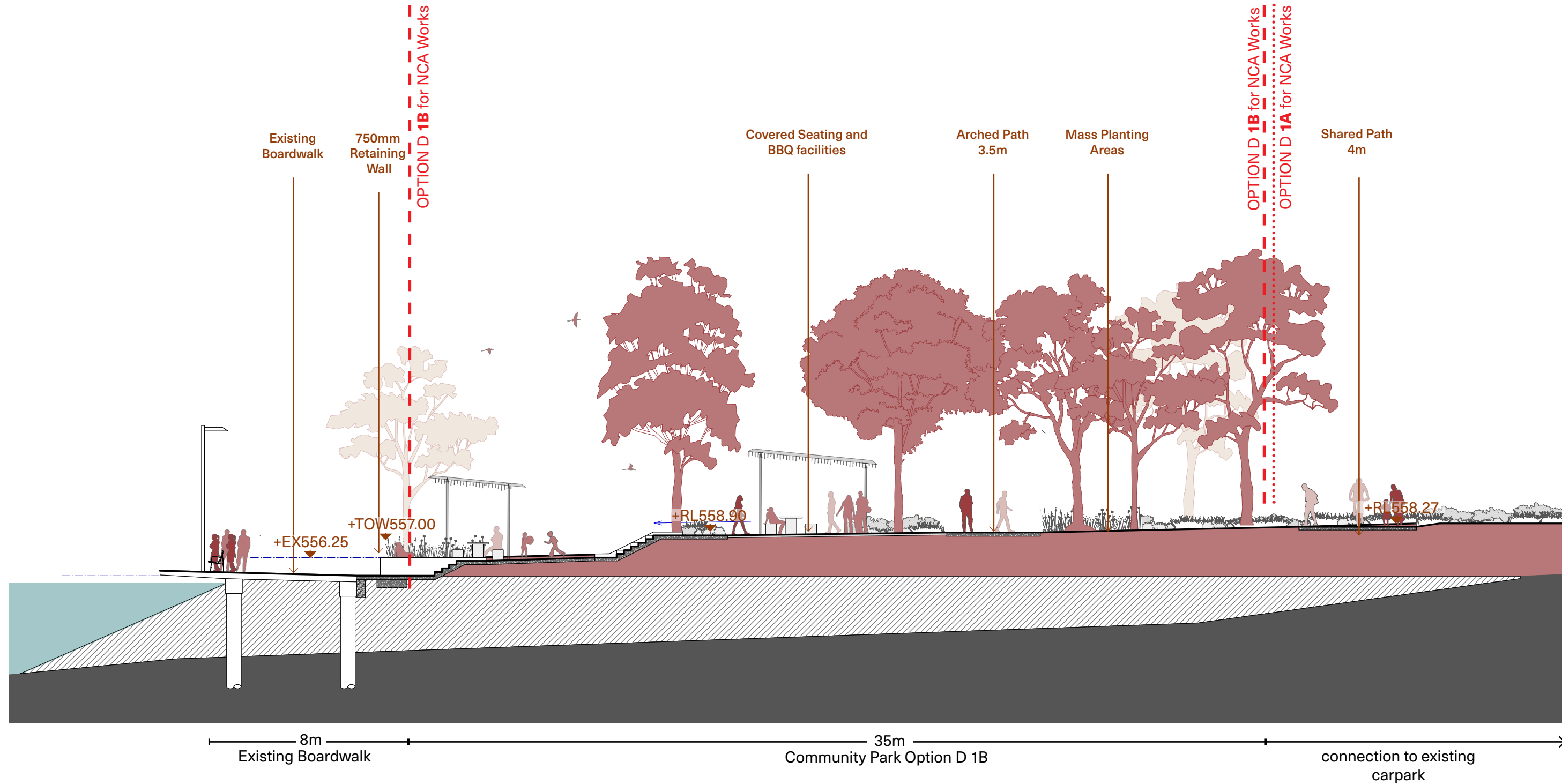
OPTION D FOR NCA WORKS

- 1 Arched path 3.5m wide- connection to Play Space
- 2 Raised planted area with 750mm H wall along Boardwalk
- 3 Open turf area
- 4 Seating and lounging edge with tree planting
- 5 Shelter with picnic setting
- 6 Electrical DDA compliant bbq
- 7 Stair access with handrail
- 8 access path to shared way
- 9 750mm retaining wall
- 10 Stabilised compacted granite
- 11 Access stairs to play space
- 12 Play Space retaining wall
- 13 Sloped mass planting
- 14 Shared path 4m wide- cyclist connection to cycle loop
- 15 Mass planting and tree grouping



TYPICAL SECTION

COMMUNITY PARK

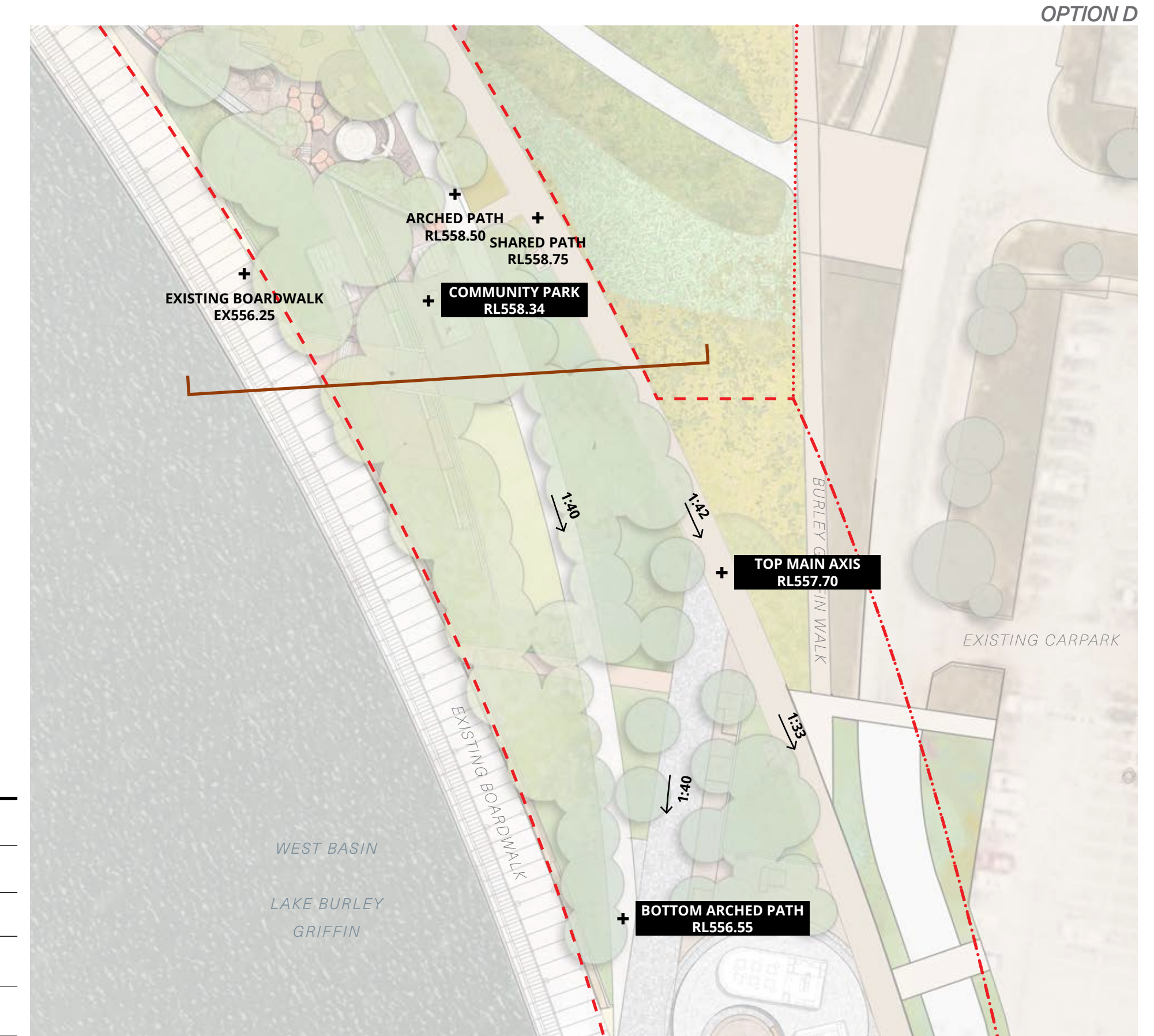


LEVELS AND ACCESS

COMMUNITY PARK

LEGEND

- OPTION D 1A for NCA Works
- OPTION D 1b for NCA Works
- \rightarrow General Falls
- +EX Existing levels
- +RL Relative levels



PLANTING PALETTE

COMMUNITY PARK



TREE PLANTING

COMMUNITY PARK

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works

TREES

- *Eucalyptus amplifolia*
- *Eucalyptus mannifera* 'Little Spotty'
- *Eucalyptus michaeliana*
- *Eucalyptus polyanthemus* ssp. *polyanthemus*
- *Eucalyptus rubida* subsp. *rubida*
- *Eucalyptus sideroxylon*
- *Quercus rubra*



PLANTING PALETTE

COMMUNITY PARK



MASS PLANTING

COMMUNITY PARK

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

MIX 03

- Callistemon 'White Anzac'*
- Correa reflexa var. reflexa*
- Grevillea juniperina 'Gold Cluster'*
- Micromyrtus ciliata*
- Myoporum parvifolium 'Fine Leaf Form'*

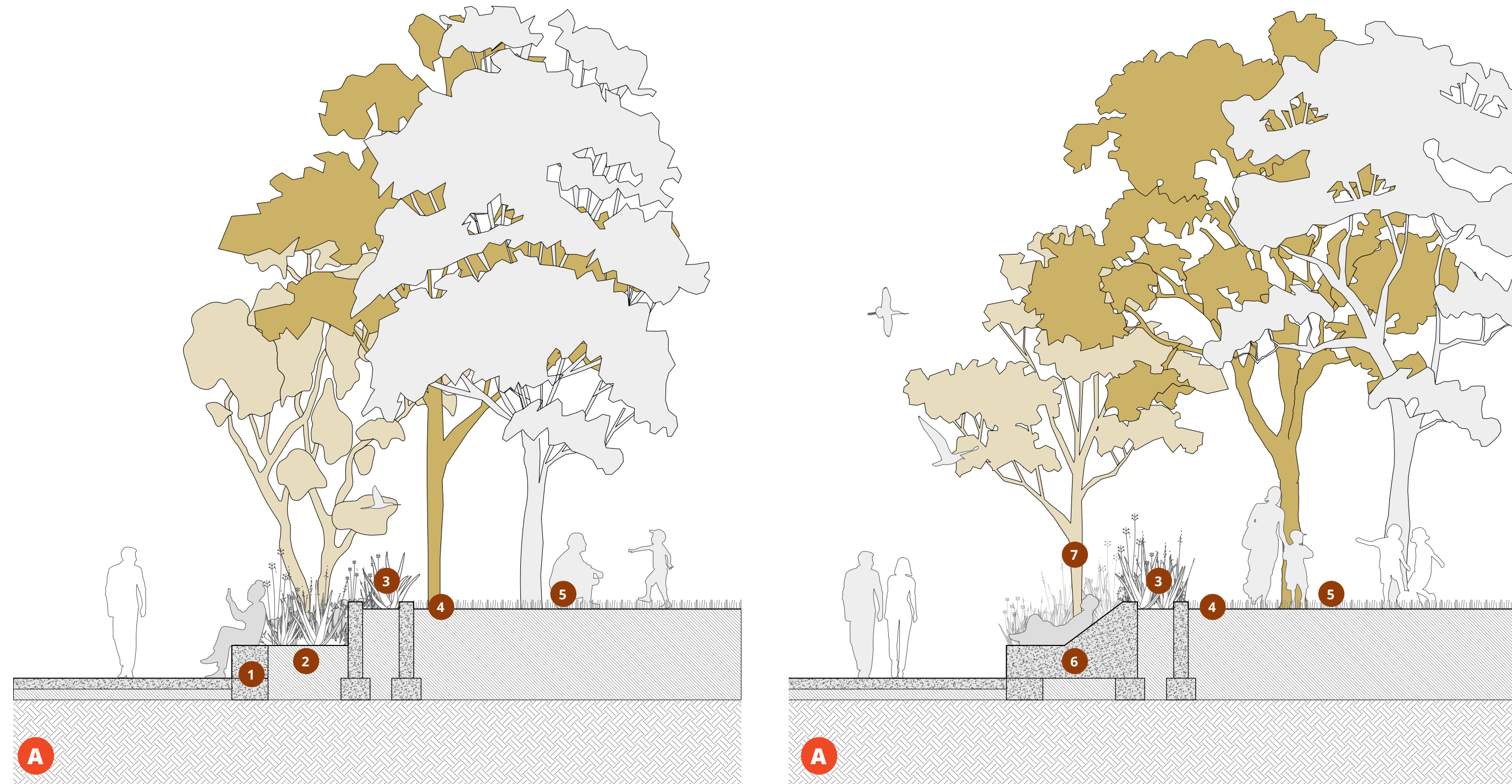
MIX 04

- Billardiera scandens*
- Einadia hastata*
- Einadia nutans*
- Einadia tomentosa*
- Eremophila debilis*
- Mentha diemenica*
- Prostanthera ovalifolia 'Compacta'*
- Rhagodia spinescens*



FEATURE SEATING EDGE

COMMUNITY PARK



- 1. Seating edge low wall 450mm H. Insitu concrete wall
- 2. Mass planting garden bed at seating height
- 3. Retaining mass planting area

- 4. Concrete edge to mass planting garden bed. 150mm above adjoining pavement
- 5. Level area for gathering

- 6. Lounging feature seat
- 7. Mass planting continue around lounge seating

MATERIAL AND FURNITURE PALETTE

COMMUNITY PARK

LEGEND

- OPTION D 1A for NCA Works
- OPTION D 1b for NCA Works
- 1** Arrival plaza seating platforms
- 2** Bbq
- 3** Lounge Bench Community Park
- 4** Drinking Fountain
- 5** Bins- General Waste and Recycling
- 6** Bike hoops
- 7** Bike repair station
- 8** Boardwalk Bench
- V** Feature Paving type 2
- B** Pedestrian grade concrete paving
- C** Vehicular grade concrete paving
- D** Stabilised decomposed granite
- E** Asphalt Road





Montage by Mark Gerada
 ACTON WATERFRONT PARK- SKETCH PLAN OPTION D _ DESIGN REPORT REV01

PLAY SPACE

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Play space Pavilion- Kiosk, facilities, change area
- 2 Arched path 3.5m wide- connection to Play Space
- 3 Shared path 4m wide- cyclist connection to cycle loop
- 4 Open turf area with sloped edge
- 5 Water play zone
- 6 Play Tower zone
- 7 Balance play zone
- 8 Stair access from boardwalk to play space above tunnel
- 9 Adventure play zone
- 10 Access path accross play space
- 11 Access path to Adventure play zone
- 12 Play retaining wall
- 13 access path to existing amenities
- 14 Emergency and event vehicular access
- 15 Grassland planting
- 16 Temporary event area

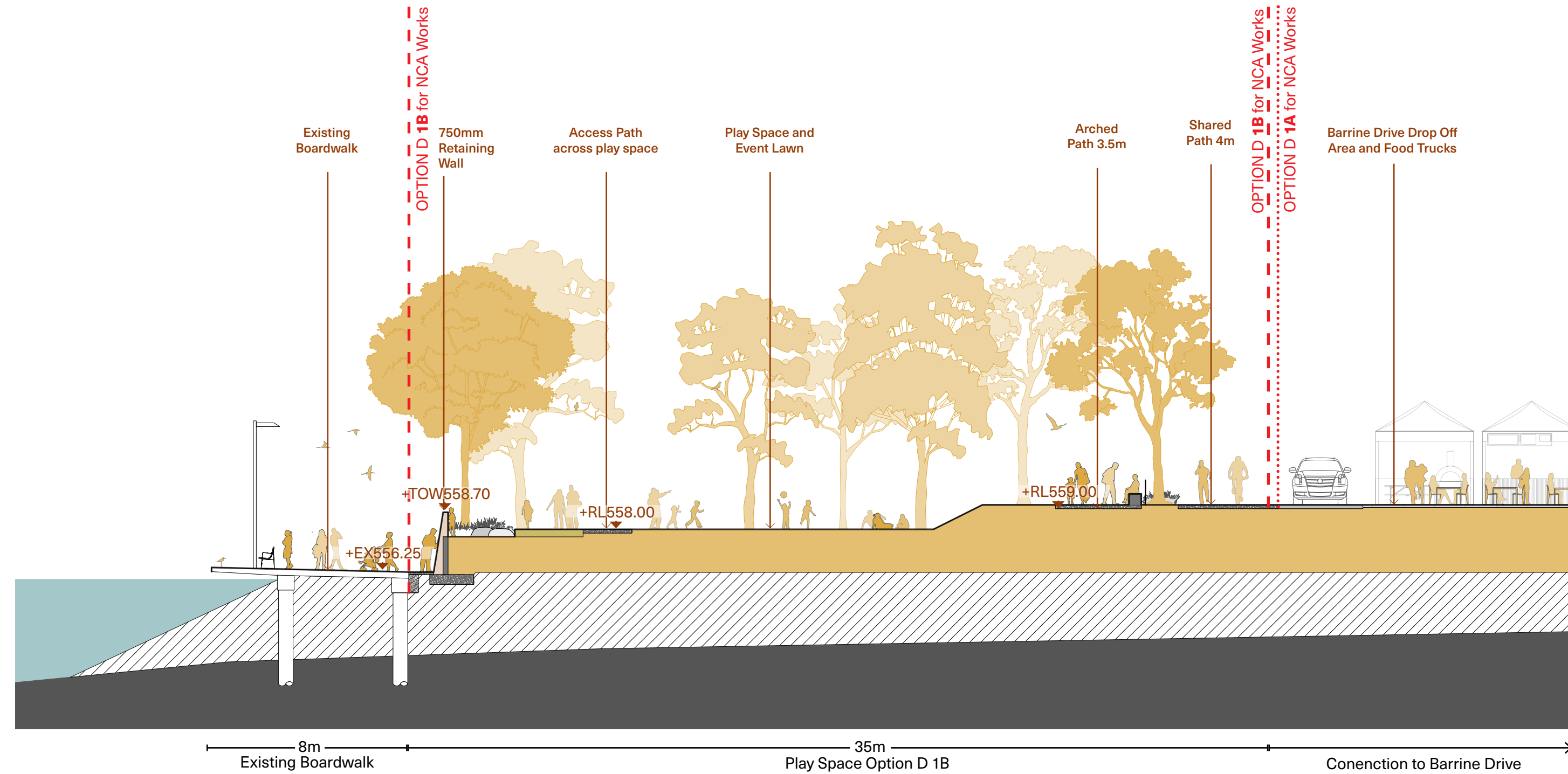
EXISTING

- A Existing planting to be protected and retained
- B Existing Burley Griffin walk to be retained
- C Existing Boardwalk retained and protected



TYPICAL SECTION

PLAY SPACE



LEVELS AND ACCESS

PLAY SPACE

LEGEND

- OPTION D 1A for NCA Works
- OPTION D 1b for NCA Works
- \rightarrow General Falls
- +EX Existing levels
- +RL Relative levels



PLANTING PALETTE

PLAY SPACE



TREE PLANTING











PLAY SPACE

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

TREES

-  *Acacia melanoxylon*
-  *Brachychiton populneus*
-  *Casuarina cunninghamiana ssp. cunninghamiana*
-  *Eucalyptus amplifolia*
-  *Eucalyptus michaeliana*
-  *Eucalyptus polyanthemos ssp polyanthemos*
-  *Eucalyptus rossii*
-  *Eucalyptus rubida subsp rubida*
-  *Eucalyptus sideroxylon 'Rosea'*
-  *Melaleuca linariifolia*



PLANTING PALETTE

PLAY SPACE



MASS PLANTING

PLAY SPACE

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

MIX 05

Banksia spinulosa 'Birthday Candles'

Callistemon 'Little John'

Correa decumbens

Correa reflexa var. *reflexa*

Myoporum parvifolium 'Fine Leaf'

Myoporum parvifolium purpurea

Westringia wynyabbie gem

MIX 06

Casuarina 'Emeral Lava'

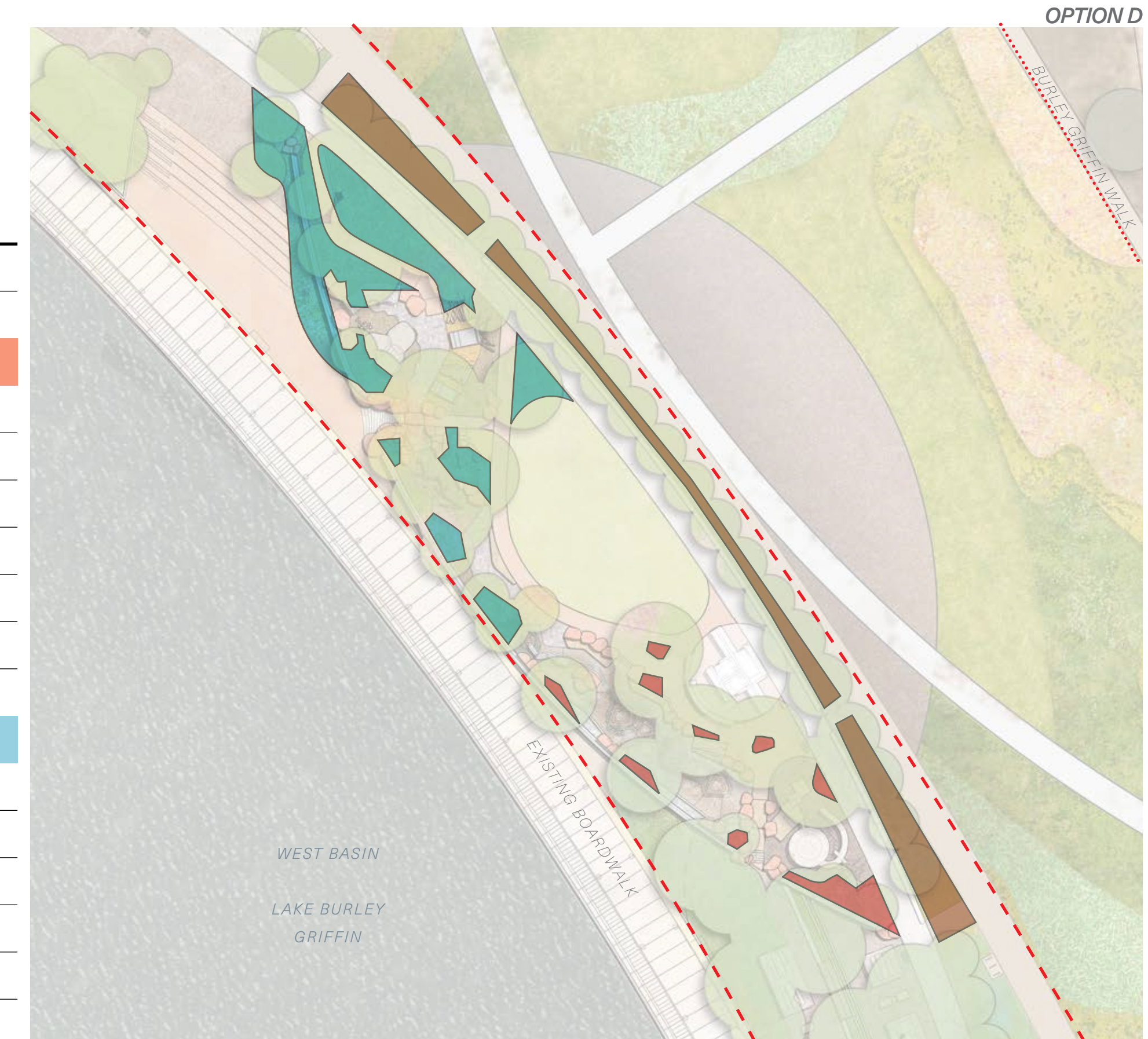
Lomandra 'Frosty Tops'

Myoporum parvifolium 'Fine Leaf Form'

Themeda triandra 'Mingo'

Westringia wynyabbie gem

Xanthorrhoea glauca



FENCING AND SEATING

PLAY SPACE



- 1. Arched path 3.5m Wide. Accessible connection across Acton waterfront Park
- 2. Seating edge to full length of play space 450mm H

- 3. 1.2m H Fence.
- 4. Mass planting in front and back of fence to minimise fence impact
- 5. Shared path 4m - cyclist and pedestrians

- 6. Gate access with childlock

MATERIAL AND FURNITURE PALETTE

PLAY SPACE

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1B for NCA Works
- 1 Lounge Bench Community Park
- 2 Drinking Fountain
- 3 Bins Enclosure - General Waste and Recycling
- 4 Bike hoops
- A Feature Paving type 1
- B Vehicular grade concrete paving
- C Stabilised decomposed granite
- D Asphalt Road

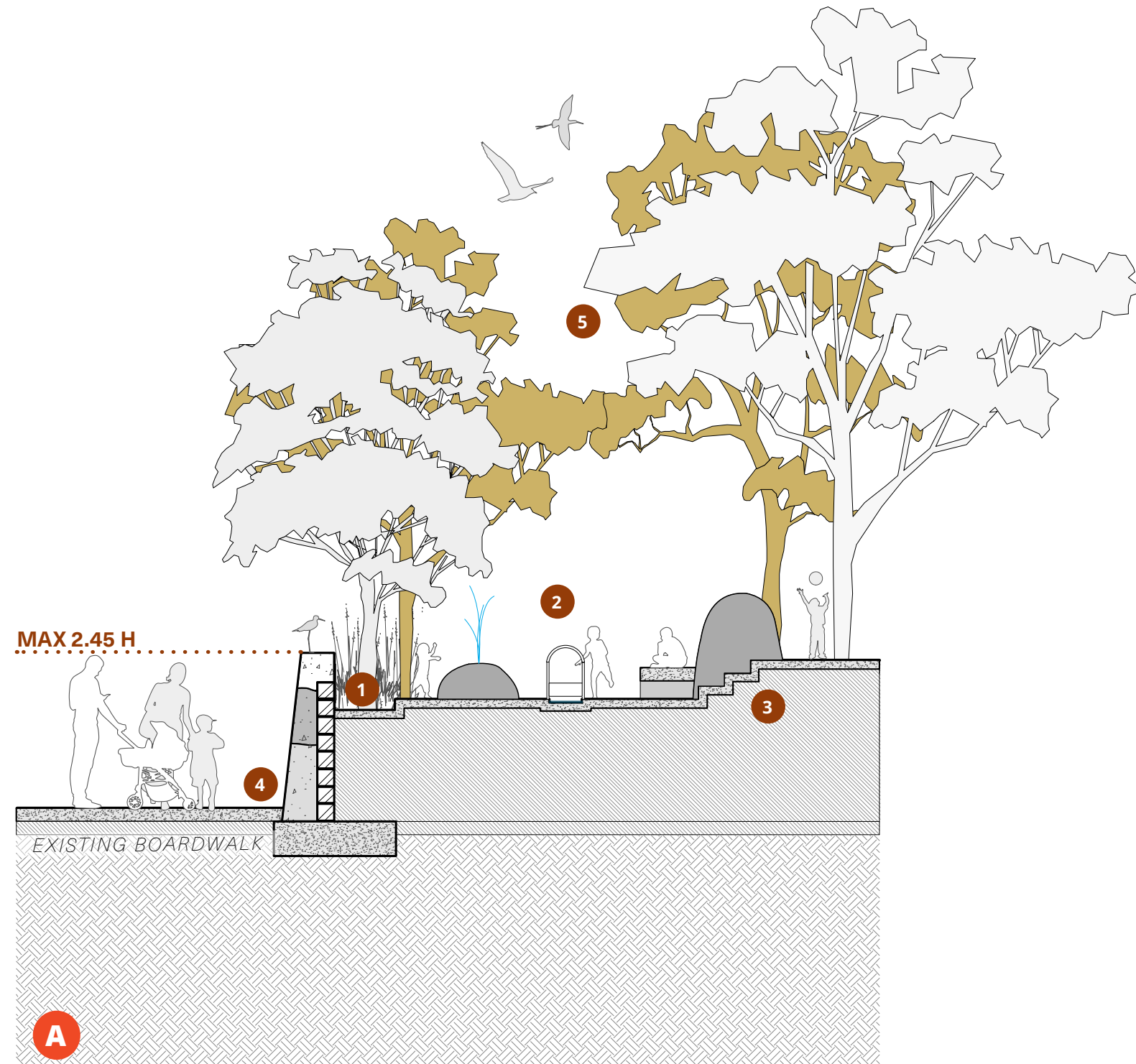




1. Play Space retaining wall as a balustrade for the play space. Allowing for 1m High above adjacent play levels
2. Typical water play layout. Monlonglo River outline and water play elements such as pumps, gates and jets

3. Water Play zone is a few steps lower than the walkway creating a contained play area, Ramp access can also be found
4. Play Space retaining wall. Insitu concrete with block work internal structure

5. Planting selection - consideration for maintenance and durability within a play space.



PLAY SPACE - WATER PLAY ZONE

WATER PLAY AREA

Interactive water play features winding its way throughout the playground. Acknowledgment of limestone caves and Country heritage which lies beneath the Lake Burley Griffin
Limestone cave, monlonglo river interpretation; incorporation of creek beds and grinding grooves with water play misting

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Seating area
- 2 Boulder varied
- 3 Ramp access
- 4 Stair access
- 5 Play space retaining wall
- 6 Play Space Pavilion
- 7 Accessible path linking play zones
- 8 Open turf kick about area
- 9 Wet splash zone
- 10 Water Journey zone
- 11 Play Tower
- 12 Arched Path 4m wide
- 13 Fence and gate access 1.2m tall





- 1. Crank Handle Pump
- 2. Small Bucket Wheel
- 3. Lock Gate
- 4. Sea-saw Pump
- 5. Ball Valve Plug
- 6. Water Switch
- 7. Forest Fountains

PLAY EQUIPMENT AND ELEMENTS

WATERPLAY ZONE

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Playspace bench
- 2 Crank Handle Pump with trays
- 3 Bucket wheel
- 4 Lock Gate
- 5 See Saw Pump
- 6 Ball Valve Plug
- 7 Water switch
- 8 Forest fountain sprinklers top of post
- 9 Sprinklers and Jets
- 10 Mister

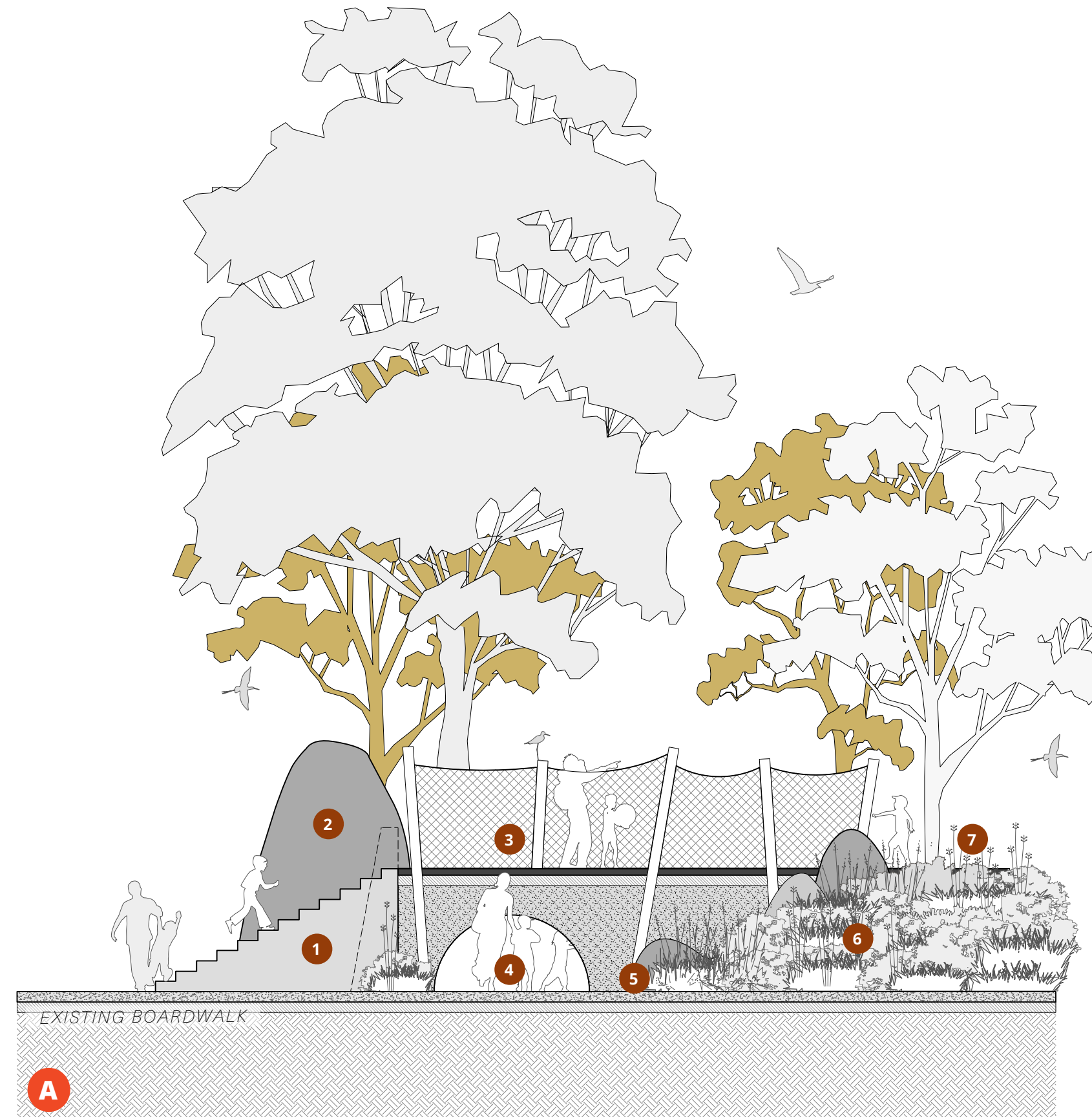




1. Access stairs from existing Boardwalk to Play space
2. Boulder gateway to play space
3. Bridge crossing to accessible path of play Space. Log post with net balustrade

4. Tunnel access under bridge connecting Adventure play zone and Water Play zone.
5. Balance Play Area
6. Sloped mass planting with small boulders and tree planting

7. Access to main play space path and link to open turf area



PLAY SPACE - ADVENTURE PLAY ZONE

ADVENTURE PLAY

Exploration and discovery play. Nature and wild play
 Acknowledging traditions of the Ngunnawal community.
Local fauna tracks in pathways as a way-finding tool
Use of gnyah forms for play camping

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Accessible path to bottom of adventure play
- 2 Shelter play
- 3 Seating under shelter
- 4 Tunnel
- 5 Stair access to play space from boardwalk
- 6 Net walkway bridge
- 7 Accessible path linking play zones
- 8 Open turf area
- 9 Arched path 3.5m
- 10 Fence and gate access 1.2m tall
- 11 Steps access up embankment
- 12 Amphitheater





- 1. Log climb on top of rubber soft fall to get to the top of the embankment
- 2. Embankment slide. two sizes small and medium

- 3. Cave shelter to be designed with Ngunnawal community
- 4. Balance play, rope balance and hammocks
- 5. Stepping logs varied heights

- 6. climbing ropes on top of rubber soft fall

PLAY EQUIPMENT AND ELEMENTS

ADVENTURE PLAY ZONE

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Log climb
- 2 Embankment Slide small
- 3 Embankment Slide medium
- 4 Rope climb
- 5 stepping logs
- 6 Balance play
- 7 Cave shelter play
- 8 Stepping logs





- 1. Access stairs from Existing Boardwalk to Play Space
- 2. 14 steps with handrail
- 3. Boulder gateway. Merging into play space retaining wall
- 4. Mass planting
- 5. Play space zones. Adventure play and Water play
- 6. Play space retaining wall 1m above play level to act as a balustrade
- 7. Amphitheatre bleachers and stairs to plaza
- 8. Boulder end to play space retaining wall
- 9. Varied levels within play space

PLAY SPACE RETAINING WALL

RETAINING WALL

Terracing the play space above existing boardwalk
Lookout areas of the wall to tell Molonglo story as people look out to the lake

OPTION D STAGE 1A

Temporary Play Space retaining wall
 Temporary block work wall with temporary balustrade to allow earthworks to fill required levels for future play space and for soil settlement to occur prior to play space construction

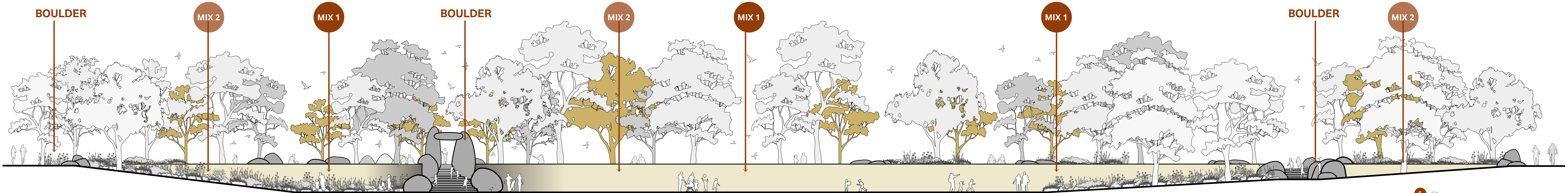
OPTION D STAGE 1B

Play Space retaining wall
 In situ concrete wall on top of temporary play space retaining wall. Stratified pour with mix pigment and aggregate size. Boulder gateway added with wall



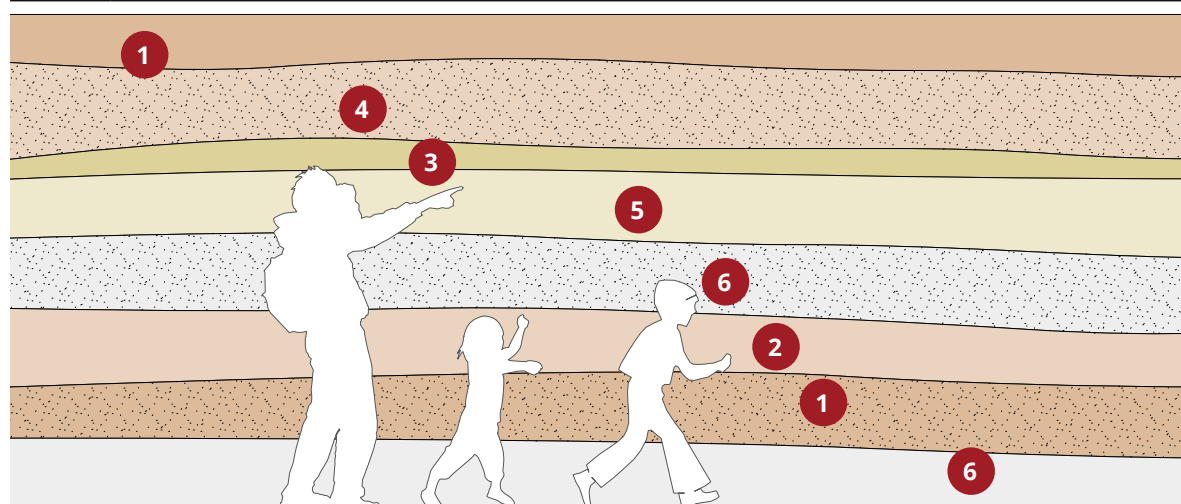
MATERIAL AND FINISHES

PLAY RETAINING WALL



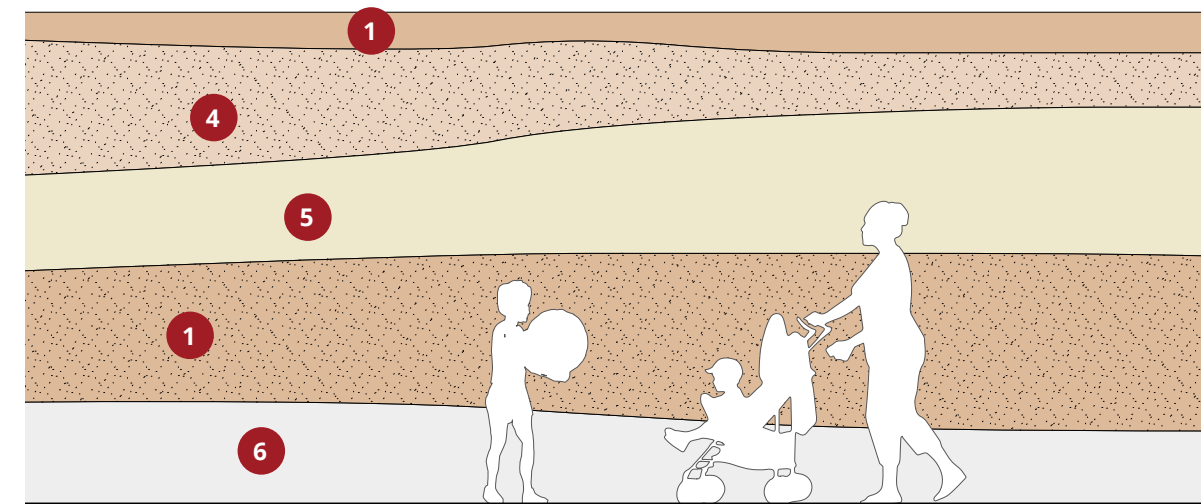
MIX 1

- 1 CSS Clay (or similar approved) aggregate size varies
- 2 CSS Paperbark (or similar approved) aggregate size varies
- 3 CSS Kalgoorie (or similar approved) aggregate size varies
- 4 CSS Bilby (or similar approved) aggregate size varies
- 5 CSS Cirtus Cream (or similar approved) aggregate size varies
- 6 CSS Apollo (or similar approved) aggregate size varies



MIX 2

- 1 CSS Clay (or similar approved) aggregate size varies
- 2 CSS Bilby (or similar approved) aggregate size varies
- 3 CSS Cirtus Cream (or similar approved) aggregate size varies
- 4 CSS Apollo (or similar approved) aggregate size varies

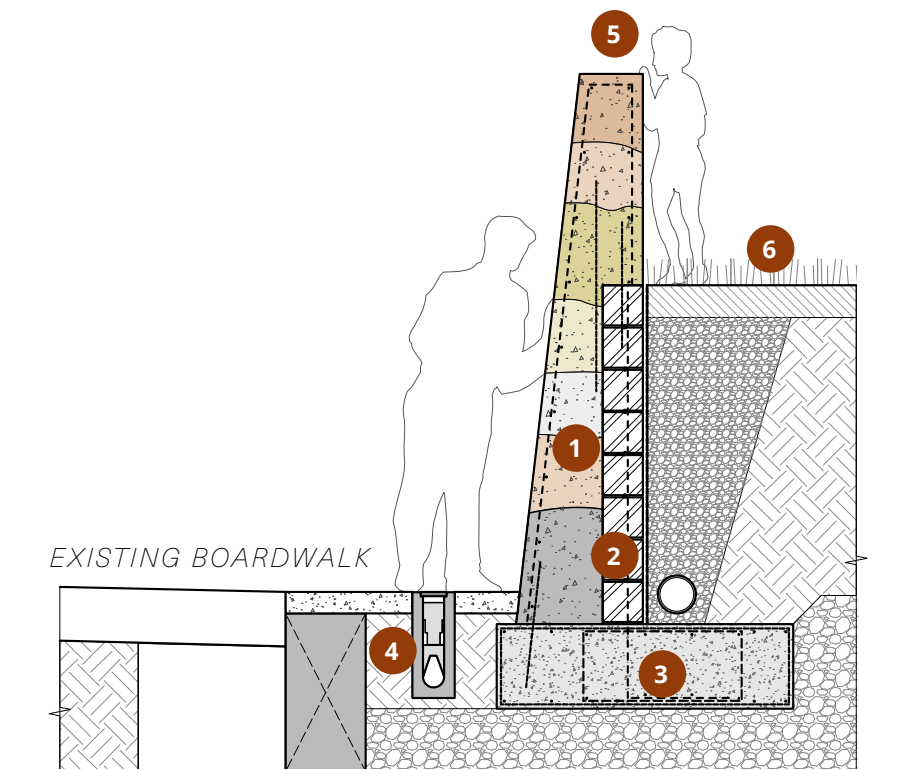
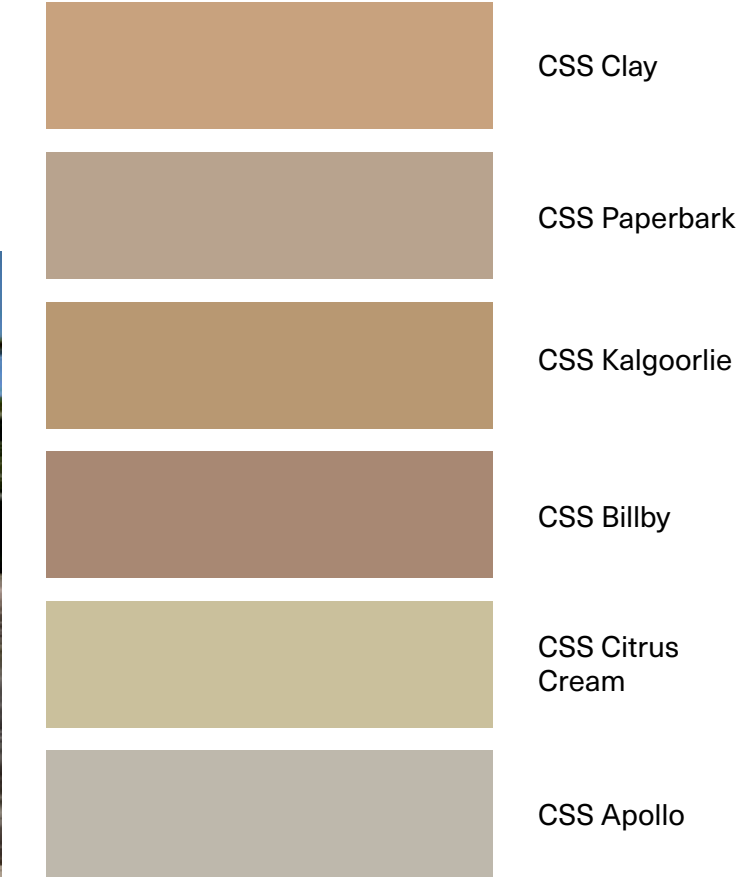


BOULDERS

Type: Non climbable tall boulders
 Wee Jasper Basalt
 Size: Varied
 Refer to documentation



CONCRETE PIGMENT



1. In situ concrete stratified pour with mix aggregate and pigment
2. Block work concrete wall structure
3. Retaining wall footing to be internal to minimise impact on existing boardwalk
4. Services and drainage accommodated in front on retaining wall
5. Thick top of wall with slight fall to avoid water pulling
6. Play space levels 1m below



Montage by Mark Gerada
 ACTON WATERFRONT PARK- SKETCH PLAN OPTION D _ DESIGN REPORT REV01

PLAZA

PLAZA

Connection between future development and Acton Waterfront Park. Large shaded plaza to host events and larger groups
 Views out to see The extent of Ngunnawal Country

AMPHITHEATRE

Seating steps to create an amphitheater. Observation over the Lake but also for events on the boardwalk. Access stairs along amphitheater for direct egress
 Texture on the riser of the steps showing

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

OPTION D FOR NCA WORKS

- 1 Raised turf area with seating edge
- 2 Seating terraced edge
- 3 Arched path 3.5m wide- connection to Play Space
- 4 Deco granite area
- 5 Stair access to plaza
- 6 Amphitheatre bleachers and stair access
- 7 Sloped turf area
- 8 Shelter with seating
- 9 Mass planting with 750mm retaining wall
- 10 Feature seating edge
- 11 Stair access to plaza
- 12 Raised Deck with feature tree
- 13 Grassland planting
- 14 Vehicular access for emergency and events

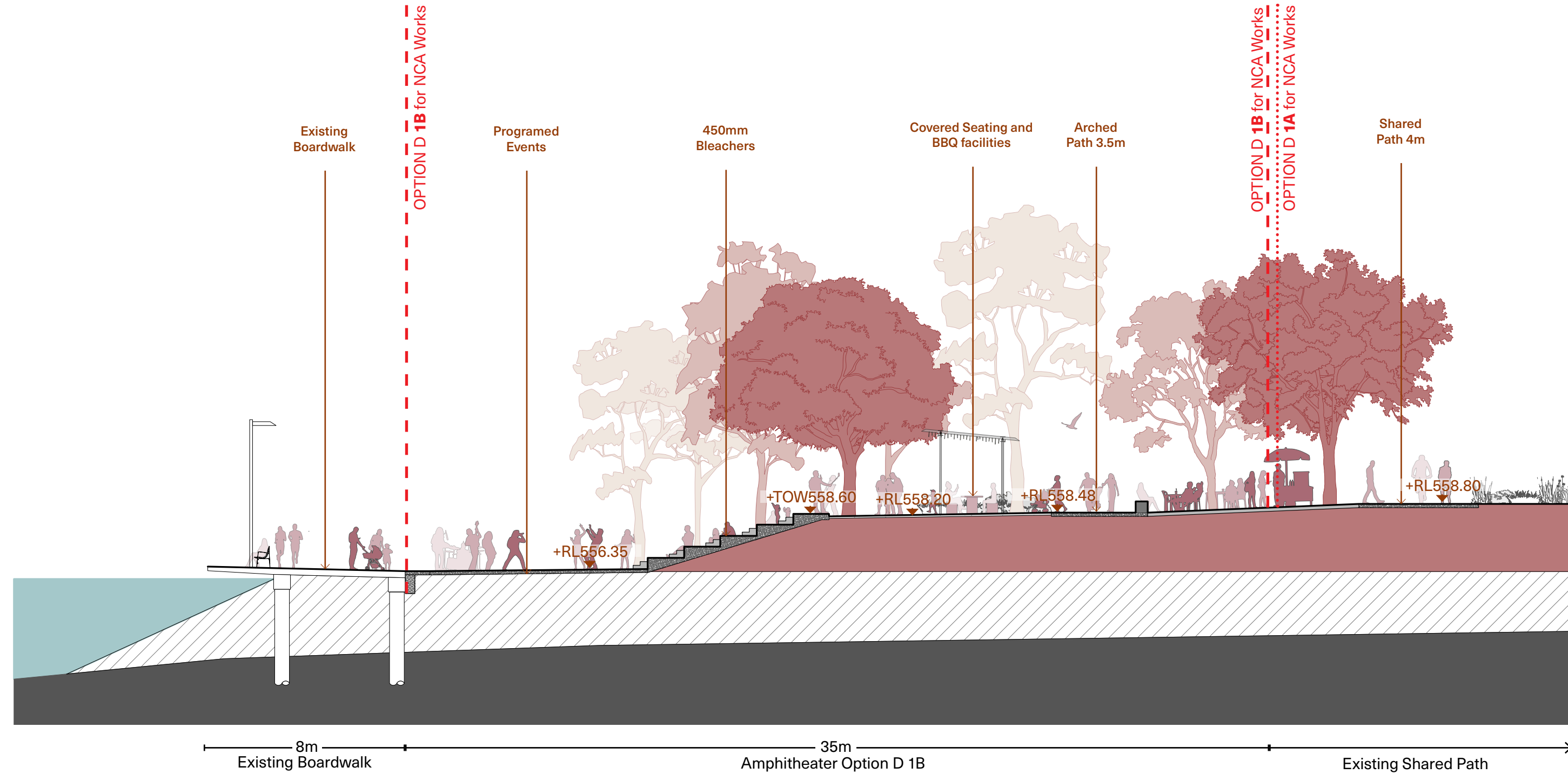
EXISTING

- A Existing Boardwalk retained and protected



TYPICAL SECTION

PLAZA



LEVELS AND ACCESS

PLAZA

LEGEND

- OPTION D 1A for NCA Works
- OPTION D 1b for NCA Works
- \rightarrow General Falls
- +EX Existing levels
- +RL Relative levels



PLANTING PALETTE

PLAZA



TREE PLANTING

PLAZA

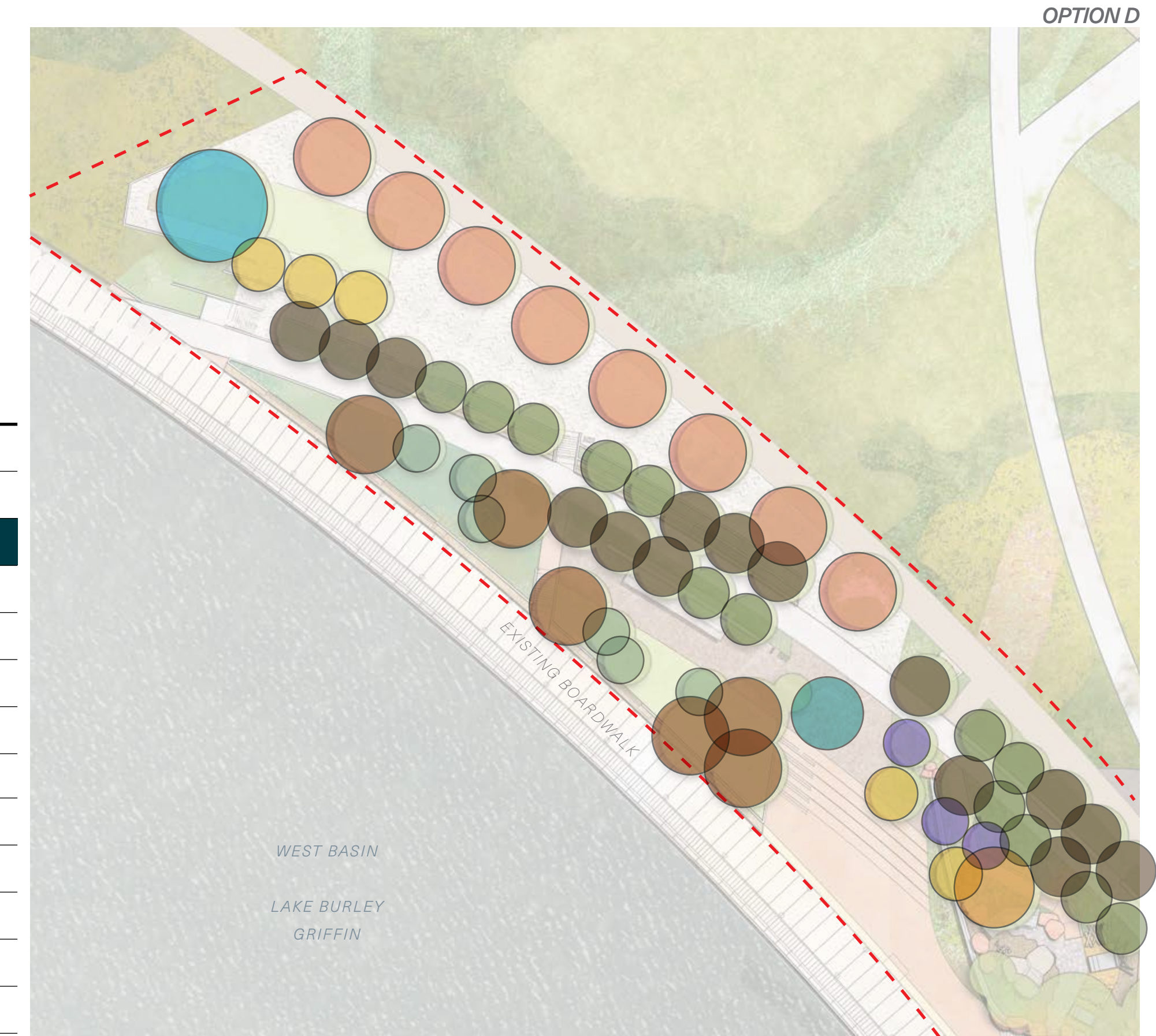
LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

TREES

- *Brachychiton populneus*
- *Casuarina cunninghamiana ssp. cunninghamiana*
- *Eucalyptus amplifolia*
- *Eucalyptus mannifera 'Little Spotty'*
- *Eucalyptus michaeliana*
- *Eucalyptus sideroxylon*
- *Liquidambar styraciflua*
- *Melaleuca linariifolia*
- *Nyssa sylvatic*
- *Quercus acutissima*



PLANTING PALETTE

PLAZA



MASS PLANTING

PLAZA

LEGEND

..... OPTION D 1A for NCA Works

- - - OPTION D 1b for NCA Works

MIX 07

Dianiella caerulea

Lomandra 'Frosty Tops'

Myoporum parvifolium 'Fine Leaf Form'

Westringia 'Aussie Box'

MIX 08

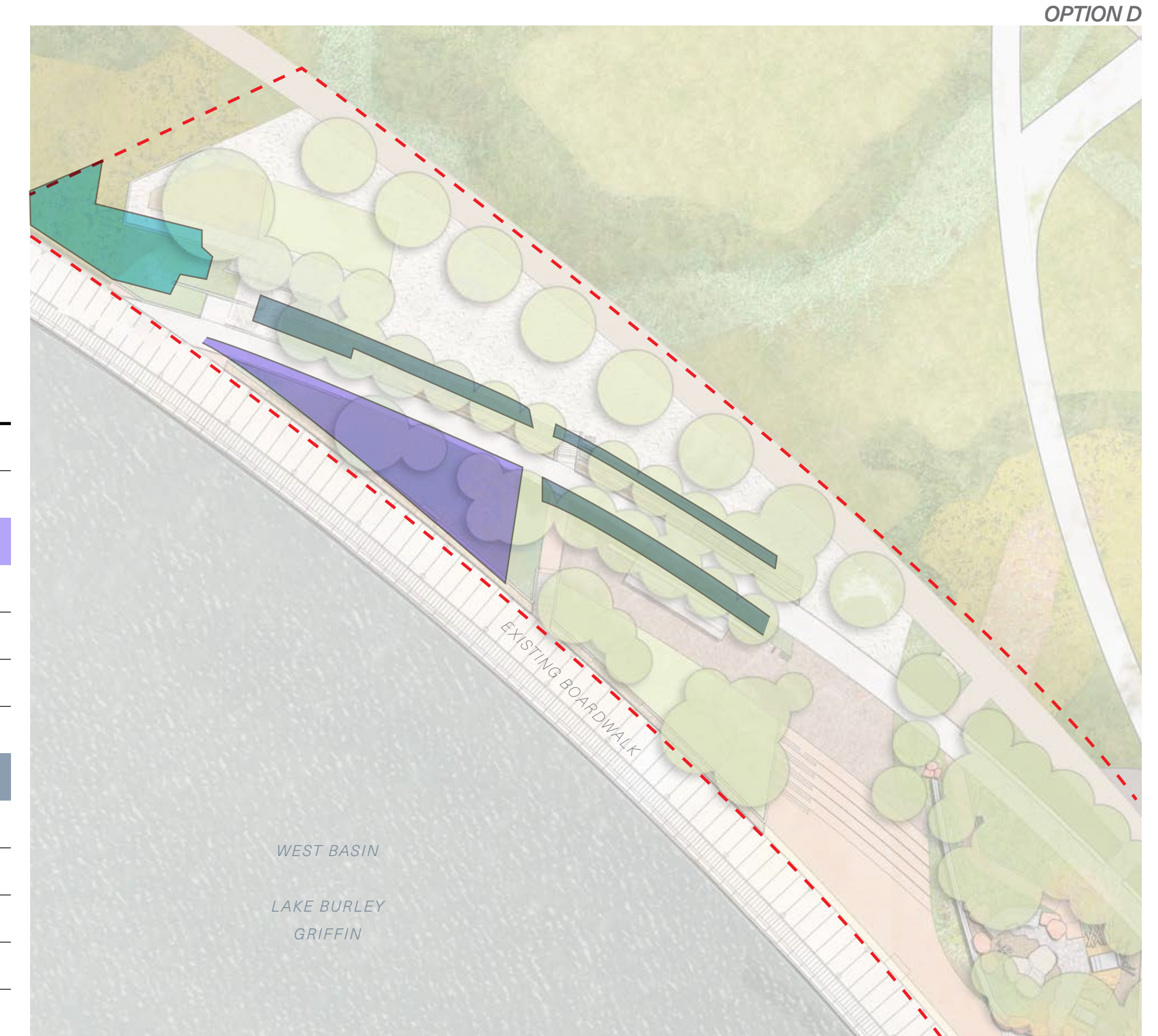
Correa alba var. alba

Correa decumbens

Myoporum parvifolium 'Fine Leaf Form'

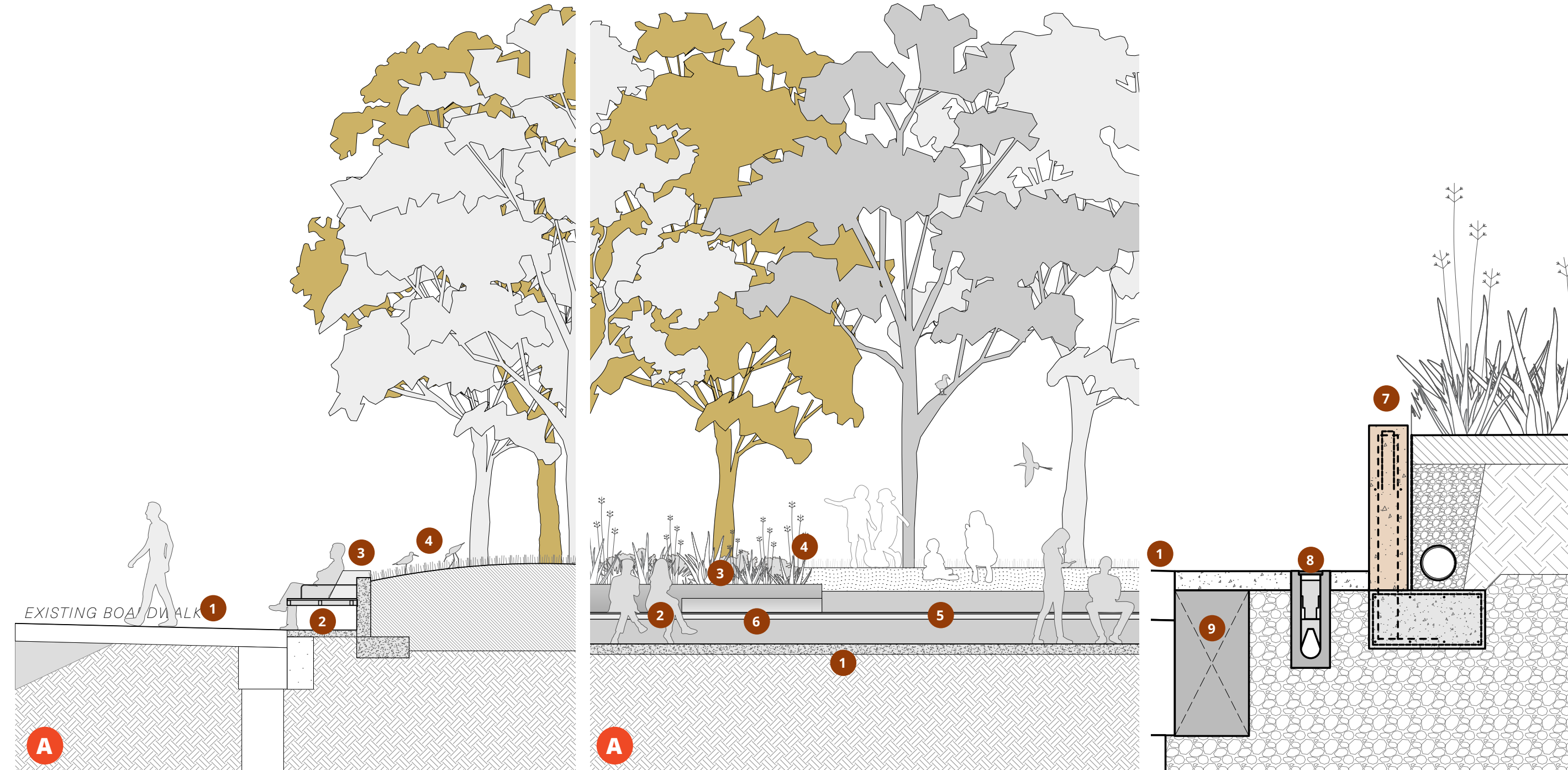
Viola hederacea

Westringia 'Aussie Box'



FEATURE SEATING EDGE

PLAZA



- 1. Existing Boardwalk to be retained and protected.
- 2. Feature seat with armrest/table. angles back overlooking Lake Burley Griffin
- 3. Back of seat to fold on top of existing 750mm H insitu concrete

- 4. retaining wall
- 4. Mass planting or turf sloped to allow for level change and soil depth requirement for new trees
- 5. Seat without back

- 6. Armrest / table
- 7. 750mm H retaining wall along Existing Boardwalk
- 8. Drainage strip
- 9. Services connections

MATERIAL AND FURNITURE PALETTE

PLAZA

LEGEND

- OPTION D 1A for NCA Works
- - - OPTION D 1B for NCA Works
- 1 Lounge Bench Plaza
- 2 Drinking Fountain
- 3 Bins Enclosure - General Waste and Recycling
- 4 Bike hoops
- 5 Bike Repair Station
- 6 Boardwalk benches
- 7 Lounge bench plaza
- A Feature Paving type 1
- B Asphalt Road
- C Vehicular grade concrete paving
- D Stabalised decomposed granite

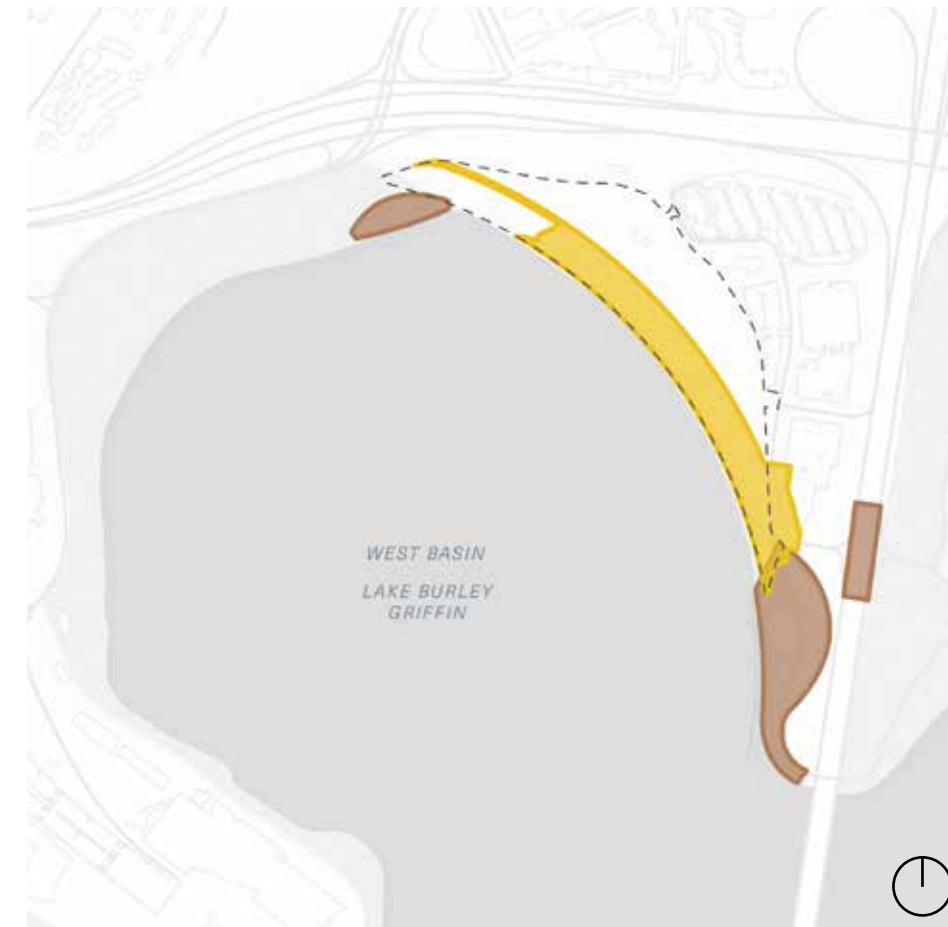
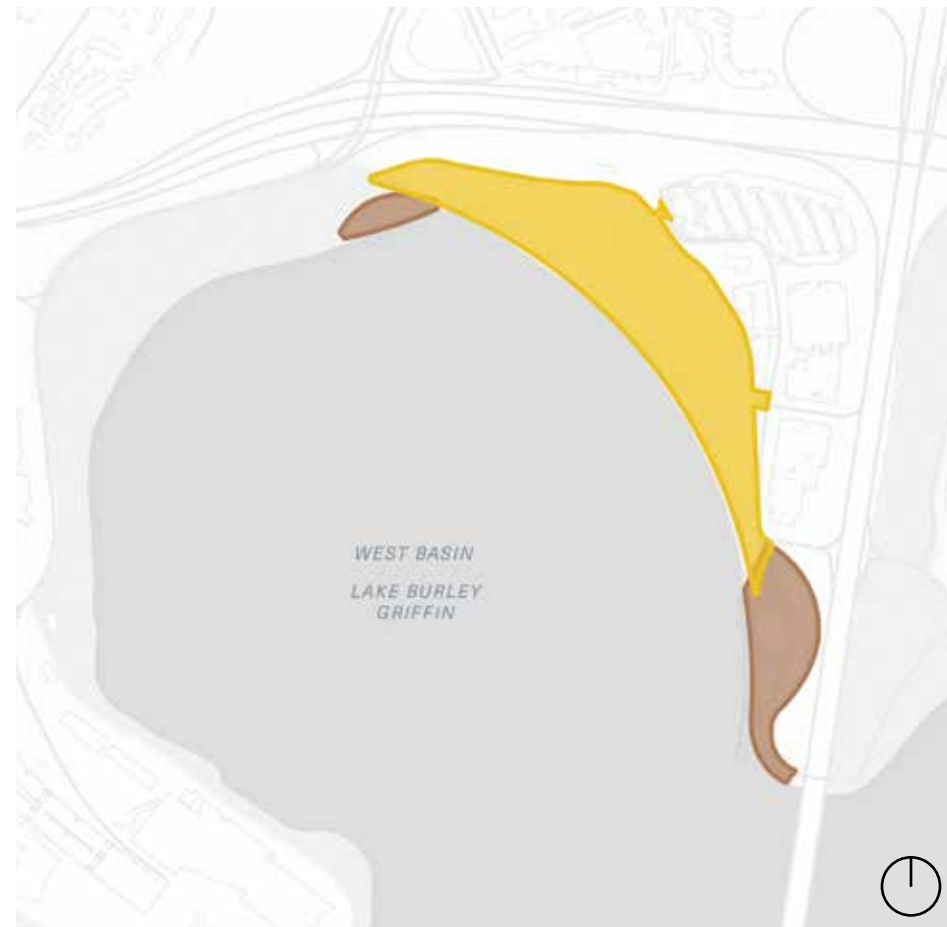


STAGING

OPTION D

STAGING OPTION D	130
STAGE 1A- TEMPORARY WORKS	131
PLANTING PALETTE	132
STAGE 1A- PLANTING	133
GRASSLAND SPECIES	134
GRASSLAND SPECIES	135
GRASSLAND SPECIES	136
TYPICAL SECTION	138
TYPICAL SECTION ACTON WATERFRONT PARK TO EXISTING CARPARK	138
LEVELS AND ACCESS	139

STAGING OPTION D



STAGE 1A

OPTION D- NCA APPROVAL

- Stage 1a
- Recent Completed Development

STAGE 1B

OPTION D- NCA APPROVAL

- Stage 1b
- Recent Completed Development

STAGE 1A- TEMPORARY WORKS

Stage 1A is created to allow for soil sediment period to occur. New soil is placed on top of existing wet fill and will require 12-24 months for sediments to settle. To lower any risks to the future park design only elements with footings that will directly be placed on the wetfill are incorporated within stage 1A.

LEGEND

- OPTION D 1A for NCA Works
- 1** Open sloped turf
- 2** Temporary retaining wall and balustrade for Play Space
- 3** Low retaining wall 750mm by existing boardwalk
- 4** Vehicular access emergency and events only
- 5** Pedestrian access to existing amenities
- 6** Vehicular access point to existing carpark with removable bollard
- 7** Pedestrian connection
- 8** Grassland planting
- 9** 3.5m arched path pedestrian connection
- 10** Decogranite event area
- 11** pedestrian connections to existing bridge

OPTION D STAGE 1A



PLANTING PALETTE

MIX A

All grassland species TCCS listed for regeneration purposes.
 All local species.
 1x tall 1m high grass mixed with 2x lower grasses.
 At least 1x species retains colour during winter months.
 Interesting seed heads and forms.
 Each mix features different grass mixes which complement each other.



MIX B



MIX C

Grasses complemented by seasonal forbs which make up 50% of mix including everlasting daisies, lillies, bugles and bluebells



MIX D

All grass species TCCS listed for regeneration purposes and are local.
 Grasses make up 50% of mix with 1x grass 0.8m tall and 2x lower in height.
 Grasses complemented by seasonal forbs which make up 50% of mix including everlasting daisies, lillies, bugles and bluebells



STAGE 1A- PLANTING

Grassland planting pattern has been inspired by the maps of the Molonglo River and surrounding topography. As this planting is a temporary activation until the future development is introduced. It is important to acknowledge the Country from the beginning of this project. Native species have also been selected.

LEGEND

- OPTION D 1A for NCA Works
- Mix A
- Mix B
- Mix C
- Mix D
- Turf



GRASSLAND SPECIES

MIX A

Themeda trianda
Kangaroo grass

Size: 0.4 x 0.4m
Flowers December/January. Green foliage turns reddish in autumn. Attractive seed heads. Can look messy and browns under frosts. Local species. TCCS



Sorghum leiocladium
Native sorghum

Size: 0.4 x 0.4m
Greenblue foliage with ornamental brown seed heads. Local species. TCCS



Poa sieberiana 'Aranda'
Blue snow tussock

Size: 0.3 x 0.3m
Fine lead blue form. Holds its colour during summer and winter. Local species. TCCS



MIX B

Cenchrus purpurasce
Swamp foxtail

Size: 1 x 1m
Large tuft grass Ornamental seed heads. Holds its colour during summer and winter. Local species. TCCS



Cymbopogon refractus
Barbed wire grass

Size: 0.3 x 0.3m
Seed heads resemble barb wire. Goes brown with frosts. Local species. TCCS



Rytidosperma pallidum
Red anther wallaby grass

Size: 0.3 x 0.3m
Holds colour in frosts. Green leaf with orange and white seed head. Local species. TCCS



GRASSLAND SPECIES

MIX C

Imperata cylindrica
Blady grass

Size: 1 x 0.3m
Ornamental white flower heads in spring /summer. TCCS



Microlaena stipoides
Weeping rice grass

Size: 0.7 x 0.7m
Tuft perennial. Year long green lawn like appearance. Local species. TCCS



Austrostipa scabra
Rough spear grass

Size: 0.3 x 0.3m
Stays green in frost. Local species. TCCS



Convolvulus erubescens
Australian bindweed

Size: up to 0.5m high



Wahlenbergia communis
Kangaroo grass

Size: 0.3 x 0.3m
Dormant over winter. Hardy. Remove spent foliage. Can be overtaken by weeds - use in mass planting. Use as an annual. Local species, TCCS



Ajuga australis
Australian bugle

Size: 0.3 x 0.5m



Thysanotus tuberosus
Common fringe lily

Size: up to 0.8m high
Flowers December/January. Green foliage turns reddish in autumn. Attractive seed heads. Can look messy and browns under frosts. Local species. TCCS



GRASSLAND SPECIES

MIX D

Austrostipa densiflora
Feather spear grass

Size: 0.25 x 0.25m
Ornamental seed head - feather stalks resemble bamboo. Seed head to 1 metre.
Local species.
TCCS



Poa labillardieri 'Erindale'
Blue tussock grass

Size: 0.8 x 0.4m
Holds its colour over summer and winter. Good at weed suppression.
Local species
TCCS



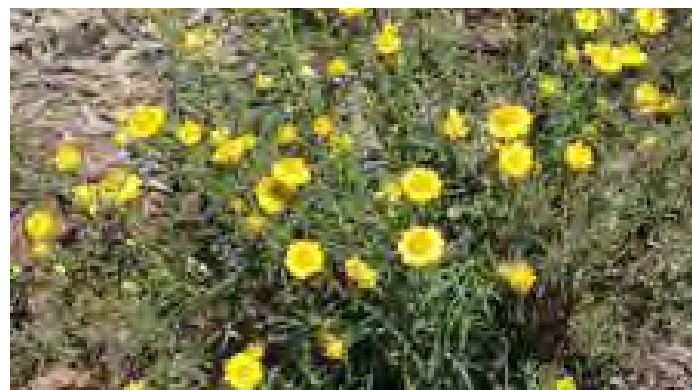
Dichelachne micrantha
Short hair plume grass

Size: 0.2 x 0.2m
Ornamental purple plume flowers in spring/summer.
Local species
TCCS



Bracteantha viscosa
Sticky everlasting daisy

Size: 0.8 x 0.8m
Suitable for revegetation and ornamental purposes. Cut back in spring.
TCCS



Bulbine bulbosa
Bulbine lily

Size: 0.3 x 0.3m
Edible tuber. Pollinator plant



Chrysocephalum 'Silver and Gold'
Yellow buttons

Size: 0.2 x 0.4m
Sun, well drained soils, low water use
Eden Gardens.
TCCS



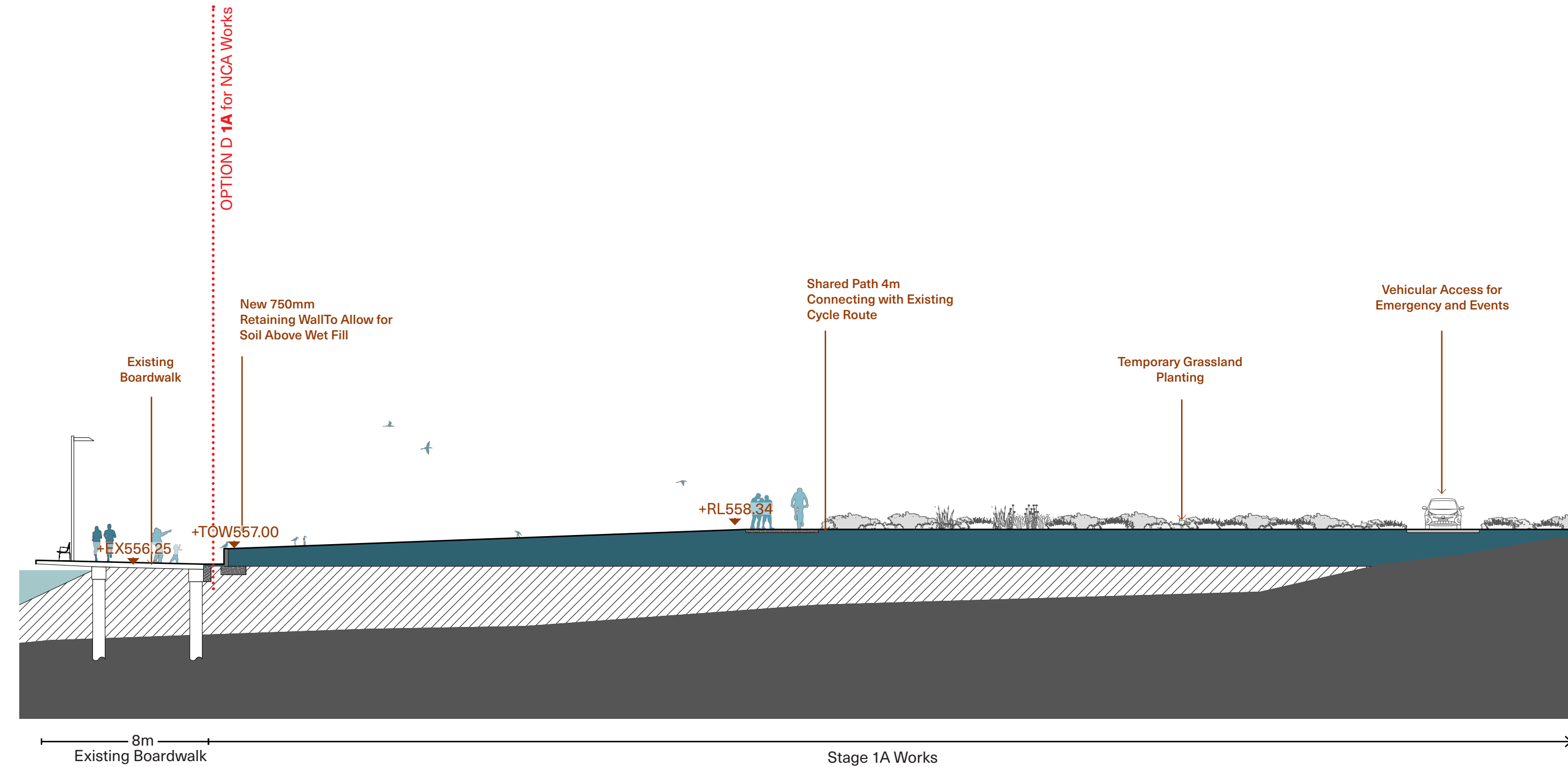
Dillwynia



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TYPICAL SECTION ACTON WATERFRONT PARK TO EXISTING CARPARK

STAGE 1A



LEVELS AND ACCESS

STAGE 1A

LEGEND

- OPTION D 1A for NCA Works
- \rightarrow General Falls
- +EX Existing levels
- +RL Relative levels

