

MEADOWBANK PARK - FINAL CONCEPT DESIGN REPORT

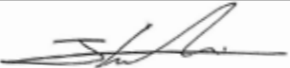

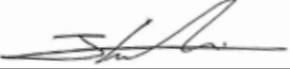
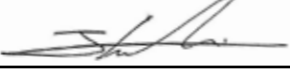
NOVEMBER 2017

# RYDE OUTDOOR YOUTH SPACE

## QUALITY INFORMATION

PROJECT NAME Ryde Outdoor Youth & Family Recreation Space  
 PROJECT NO. 16092  
 PREPARED BY Simon Bogalo  
 REVIEWED BY Jason Geralis

## REVISION HISTORY

REVISION	REVISION DATE	DETAILS	AUTHORISED	
			NAME / POSITION	SIGNATURE
01	16.08.17	DRAFT CONCEPT ISSUE	JASON GERALIS/ DESIGN MANAGER	
02	06.11.17	DRAFT CONCEPT ISSUE	JASON GERALIS/ DESIGN MANAGER	
03	10.11.17	DRAFT CONCEPT ISSUE	JASON GERALIS/ DESIGN MANAGER	
04	17.11.17	FINAL CONCEPT ISSUE	JASON GERALIS/ DESIGN MANAGER	

PREPARED BY

**CONVIC**

FOR



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Convic Pty. Ltd. Acknowledge the contributions of all those who participated in the creation of the Meadowbank Concept Design (Ryde Outdoor Youth Space), including the City of Ryde staff and residents, community groups and other stakeholders who responded to the various opportunities for input and/or who provided advice and information where required.

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**VISION | To create a multi-use skate and family space for all ages to enjoy. A space to play, teach and learn, through active recreation and social inclusion. A vibrant district hub designed with the community, for the community.**

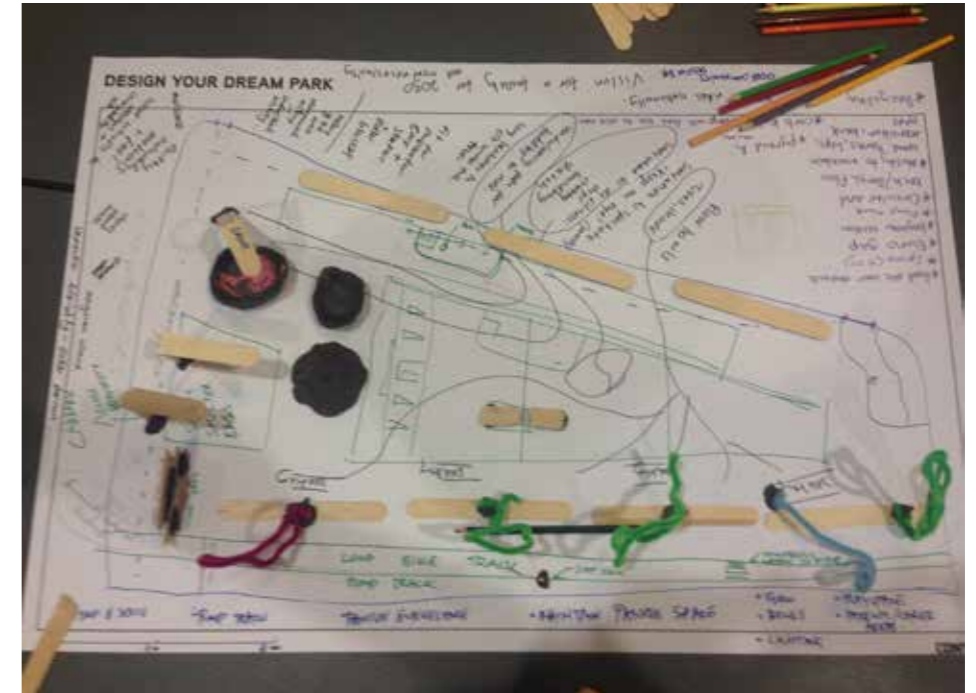
# 01

# INTRODUCTION

Convic have been engaged by City of Ryde to develop a Concept for the future development of a Ryde Outdoor Youth Space.

The Concept will describe what the project includes and the expected benefits the project will provide to the community. The report will also include a schedule of materials and components to implement the project.

This report presents the Final Concept design vision and rationale for design decisions to date. The report represents a culmination of community and stakeholder consultation feedback from the pre-design workshops as well as consultation on the draft concept design. The Final Concept reflects key findings and the general consensus from consultation workshops as well as comments from the City of Ryde project working group.



- 1. Meadowbank Park Site
- 2. Meadowbank Park Site
- 3. Meadowbank Community Design
- 4. Meadowbank Community Picture Vote

## PROJECT BACKGROUND

A design vision was informed by the site assessment findings outlined in the Ryde Outdoor Youth Space Site Selection Report (23.03.17) and Ryde Outdoor Youth Space Pre-design Community Engagement Summary Report (06.04.17), and is as follows;

Meadowbank Park is a large site that offers opportunity for a regional facility in Ryde, a space that both amplifies and adds further value to the existing parkland setting, creating a central social and recreational community hub for young people and the wider community. Meadowbank Park is one of the most significant green spaces within the CoR, addressing the needs for the evolving community. The facility will activate families and young people of CoR and embrace youth within this key community space. Embodying principles of social sustainability, the facility will offer opportunities for all participants.

The facility should be developed as an all purpose wheeled action sports park as well as wider youth and family activation, to ensure broad community benefit. Relocation of the existing play area will appeal to a younger pre-teen demographic, whilst both social and recreational spaces will increase potential for further youth, parents and guardians, spectators and family activation.

Acknowledging the prominent status of Meadowbank Park, it is important that the facility seamlessly integrates into the park context. The facility will be visually sensitive to its green park context, aesthetic and history.

The park should adopt both a transition and street style of skate for all skill levels and users disciplines, with the capacity for workshops, local competitions and events.

The landscape response will be integral to the design to ensure a well integrated facility. Utilising existing and proposed trees will soften the space as well as providing natural shade amenity.

It is the general day to day usage that will ensure the development of a safe and well maintained space embraced by the broader community and empowering and igniting the youth of CoR.

## GATEWAYS + CONNECTIVITY

Entry nodes, circulation and connections to and from the facility are defined through a logical hierarchy of spaces. Interactive sculptures create gateway points at both northern corners of the site.

## ACOUSTICS

Special attention will be given to the acoustics generated by the new park activity. The facility will utilise landscape treatments, such as planting, earth mounding and screening to reduce acoustic impact of the facility on nearby residents, ensuring that louder activities are focused into the more central areas of the park, with quieter activities and passive use focused around the parks perimeter. Skate based activities are positioned to ensure the standard 50m residential offset is achieved.

## SAFETY + SURVEILLANCE

To increase surveillance into the site views will be maintained into the facility and enhanced through the lifting of tree canopies along Constitution Road, providing 3m clear trunks.

Low level shrubs in the north west corner of the site will be lowered to a height of 1m and where necessary removed and replaced with a suitable species selection.

CCTV will be included within the design to provide active ongoing surveillance. Pedestrian level lighting will provide safety at night. A structured maintenance plan and budget will be established as part of the detailed design stage to ensure the space is maintained as a safe and well manicured environment.

Conditions of use signage will be provided at entry points, outlining safety conditions, operational requirements and restrictions of use.

## **THEMING**

Theming will respond to the existing sites landscape and landscape heritage, taking inspiration from the Parramatta River, with particular exploration into its significant stands of mangrove.

Natural materials and colours will be used to integrate the facility into its setting.

## **PASSIVE RECREATION**

A significant number of users will be local residents, wider park users, parents/guardians and spectators. A focus will be given to integrating the facility holistically and providing wider park amenity, elevating the parks profile for all user types.

To ensure a central community space with comfort for all, the facility offers a number of social opportunities. The provision of areas of refuge and shade through the day is considered, including, picnic and BBQ areas, drinking water, seating, litter bins, and bike racks.

Trees and green space will create formal and informal seating or picnic opportunities, whilst softening the space.

To increase the length of activation throughout the day, the concept provides structured and natural shade for shelter and respite from the sun, particularly for the hotter months of the year. It will also relocate the existing water bubbler for rehydration within these new refuge areas.

Passive recreation will be focused around the edge of the space.

## **ACTIVE RECREATION**

Recreation is provided through a variety of informal active programs including; parkour, climbing, table tennis, gym, skate and refurbished play area.

Sport level lighting will be provided, with a sequenced fading system. Functional lighting assists in extending the daily use and activating the space during the summer allowing users to avoid the heat of the day as well as in the winter months when it gets dark within the most popular usage time of 3-7pm.

## **SKATE TYPOLOGY**

Skateboarders are the largest identified user group, so obstacles will aim to address their specific needs. It will, however, include BMX, scooter and all other active wheeled sport, with the design reflecting this mix discipline of user groups.

## **SKATE SKILL LEVEL**

The majority of users were of a beginner to intermediate level, with the skate design reflecting this user skill level. However, it is important to provide a facility that welcomes and caters for all level riders and encourages natural progression of skills, as well as continual user challenge.

## **SKATE OBSTACLES**

Most participants favoured a combination skate style. The design will incorporate both street and transitional style elements. Features favoured by community members included; a flow open bowl, euro gap, kickers, rails, kerb banks and 'hammerhead' bank. A wide variety of creative features will be installed to ensure a unique experience.

## **FURTHER ASPIRATIONS**

Exploration will be given into providing a safe drop of area within the existing car park area and traffic calming along Constitution Road.

# 02

# CONCEPTUAL DEVELOPMENT

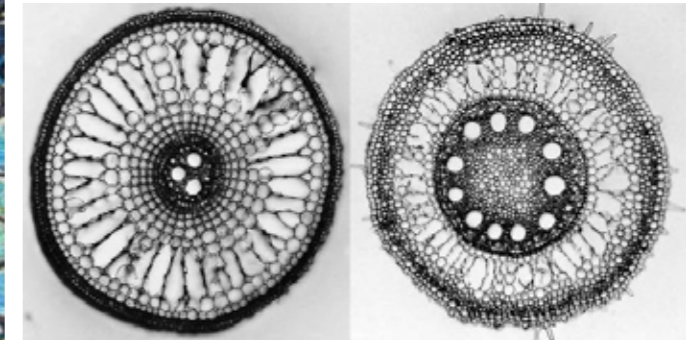
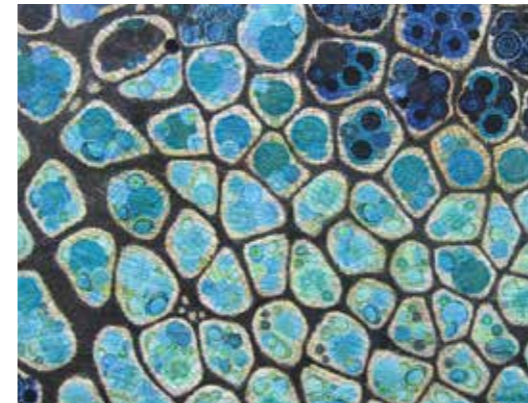
## MANGROVE THEMING

Through the design workshop, theming around the Parramatta River and particularly mangroves was identified by the community. This has guided the spacial layout and character of the facility.

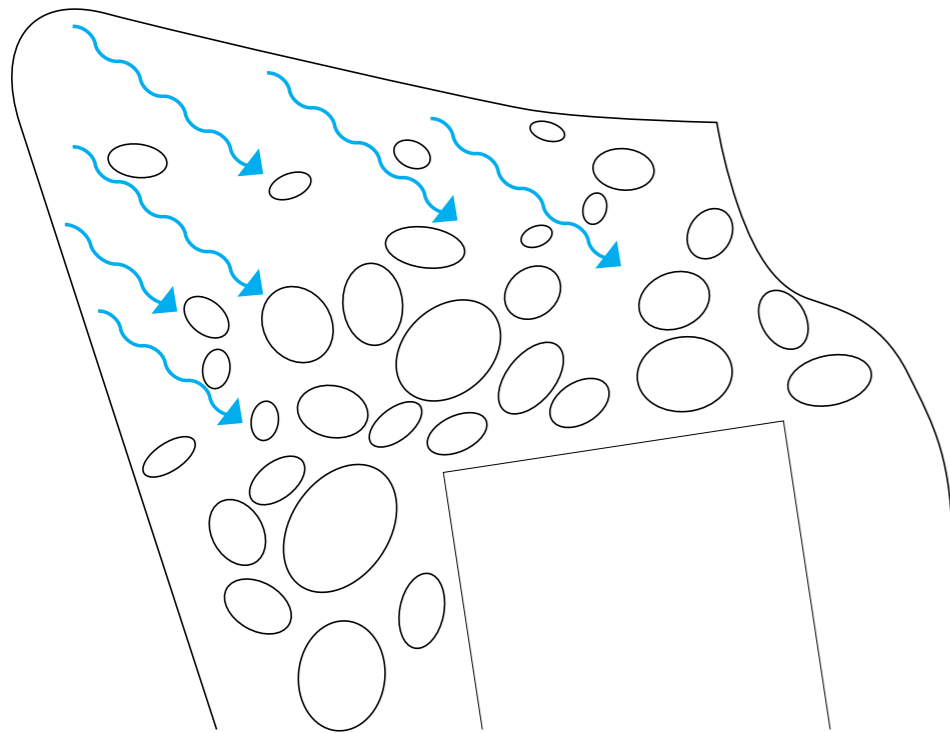
The Parramatta River is home to a number of mangrove forests. Mangroves make up some of the most important natural habitats in the world and are extremely productive ecosystems that provide numerous goods and services both to the marine environment and people. Both the processes and qualities of these complex habitats will help inform the design of the skate and family space at both a macro and micro scale.

Mangroves are home to a rich diversity of animal species including fish, crab, shrimp, and mollusc species. This diversity expresses the aspirations that a collective of different users can come together to create a network of spaces, each supporting one another, making an effectively programmed space within a harmonious environment.

The mangroves serve as safe nurseries for many fish species, which is expressed in the design as a space suitable for all ages, catering for beginner and allowing them to adapt and learn in a safe environment as they advance in skill and confidence. The following pages build the conceptual layers based on this theming.

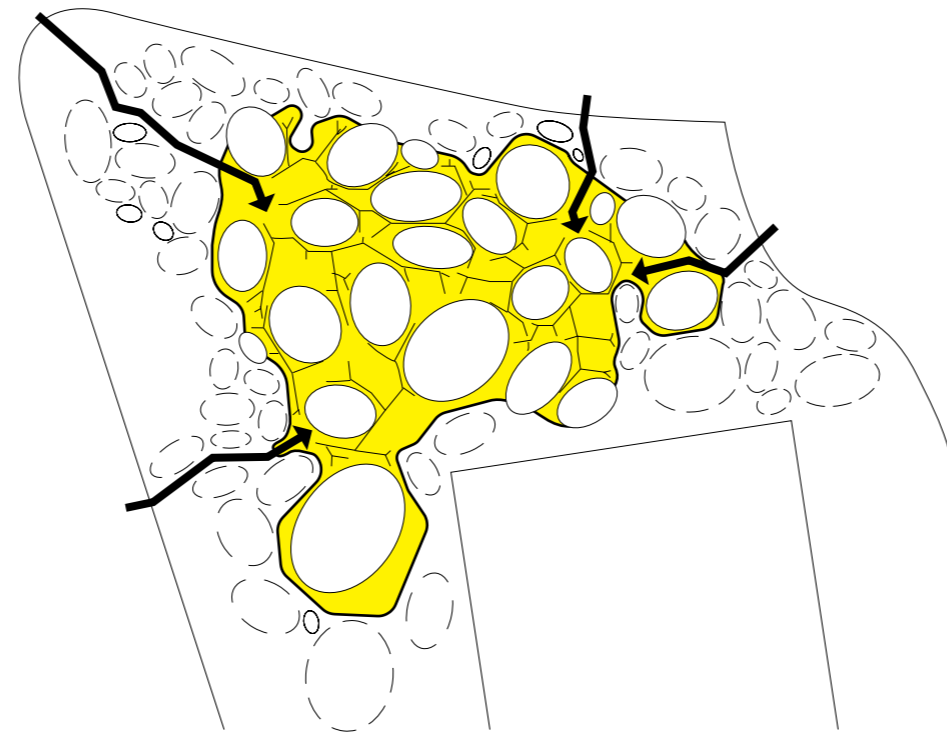


## CONCEPTUAL LAYERS



### POPULATE

Travelling with river tides and water currents, buoyant propagules (mangrove seeds) drift and disperse across the site populating to define positive and negative spaces.

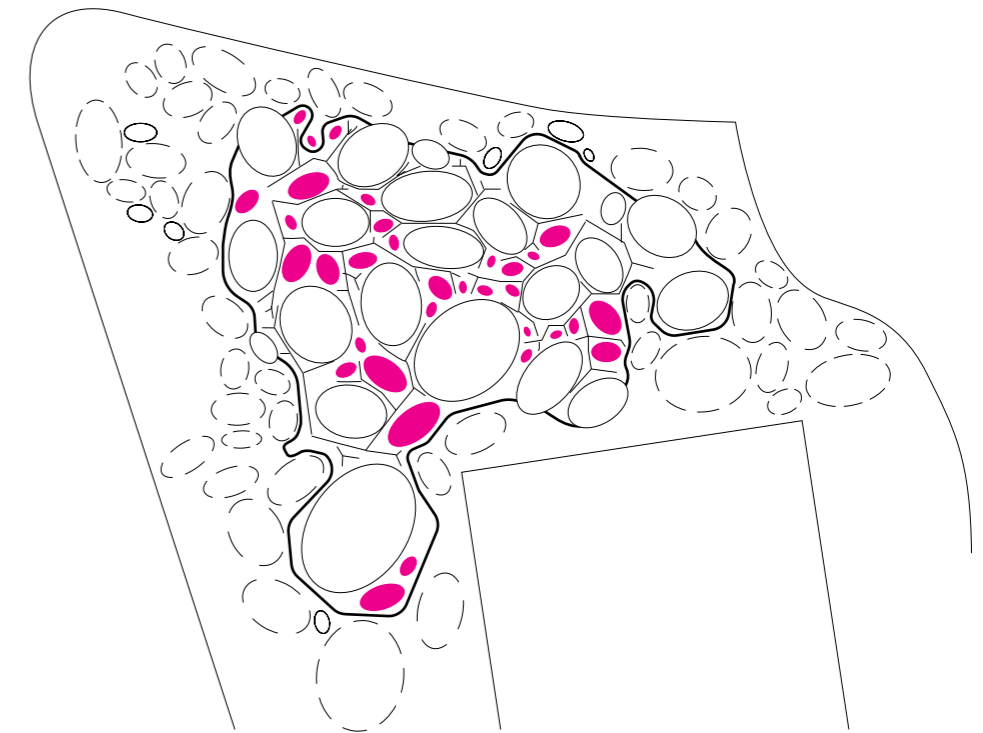


### GATEWAYS + CONNECTIVITY

Once in fertile ground these propagules take root defining circulation through the space through a network of informal routes surrounding each space. The 'root routes' are a discovery and designed to reveal the spaces to a visitor little by little, so to induce and encourage a continual experience.

Four primary connections meander through the spaces and provide access to the wider parkland from each corner of the site.

All pedestrian connections will abide to wheelchair access requirements and DDA and Australian standards.

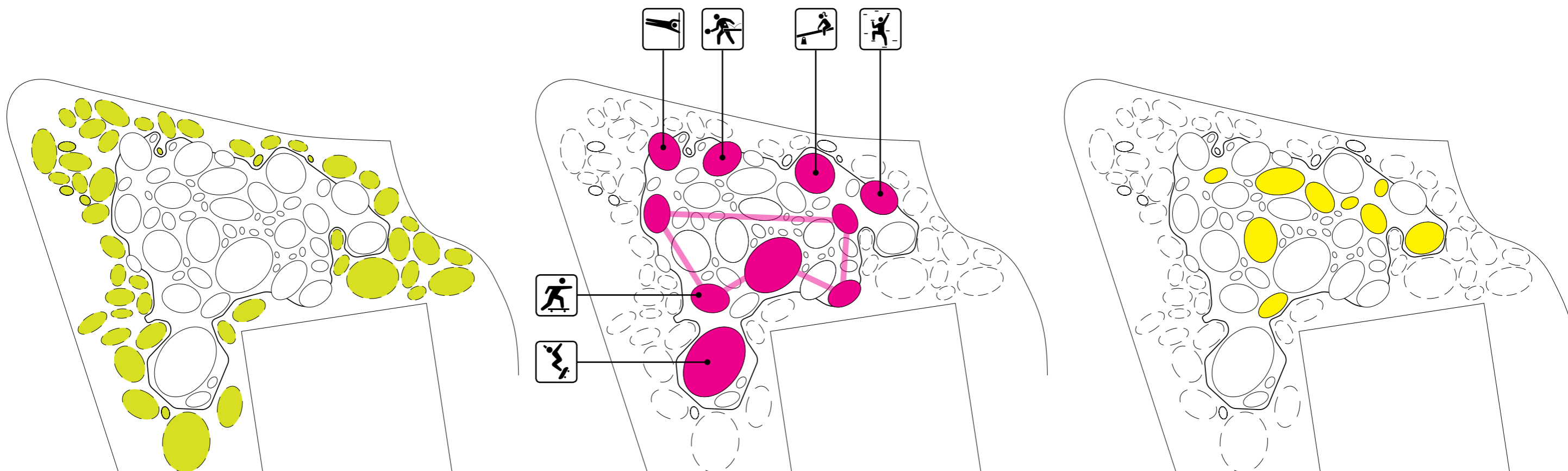


### PATTERNATION

Dense root systems establish themselves trapping sediments flowing through the space, helping to stabilise and prevent erosion. It is this collection of particles that define key junction through feature boulders, and a super graphic in the form of concrete surface colour.



# CONCEPTUAL DEVELOPMENT



## MOUNDING

The ongoing relationship with the tidal landscape and flow of water, reveals itself in an undulating peripheral landscape. These mounds transition between the existing expanse of sports fields to the internal heart of the skate and family space, defining the northern section of Meadowbank Park as a new bold and playful landscape. These turfed mounds soften the space and provide for playing, relaxing and spectating with views in and out of the space.

## ACTIVE RECREATION

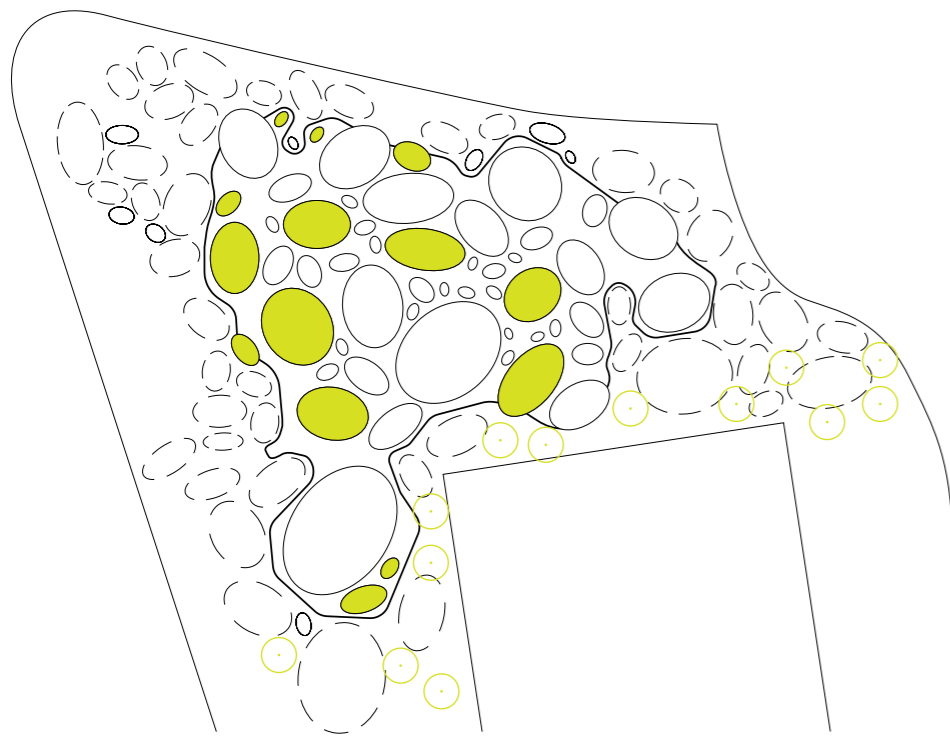
As the structure of the environment appears it becomes more complex in its nature, as species groups (active user groups) populate the internally defined spaces. This provides a focused environment of active recreation including, parkour, table tennis, play, climbing, street skate and skate bowl. Each space is equipped to cater for a unique species (type) of active user.

## PASSIVE RECREATION

Located amongst the new activity is a mix of interconnected amenity spaces. These encourage the social interaction of users within their discipline and within others. A social habitat fed by the vitality of its nature.

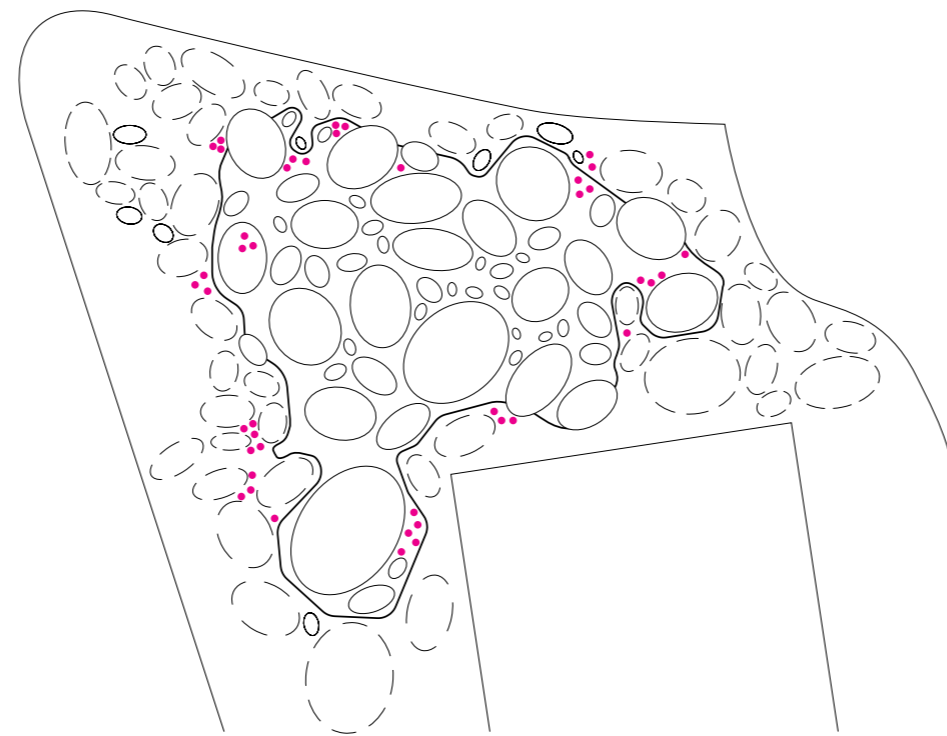
Whilst offering more user diversity and interaction, amenity also increases the functionality through provision of refuge, shade, drinking water, seating and litter bins.

# CONCEPTUAL DEVELOPMENT



## LANDSCAPING

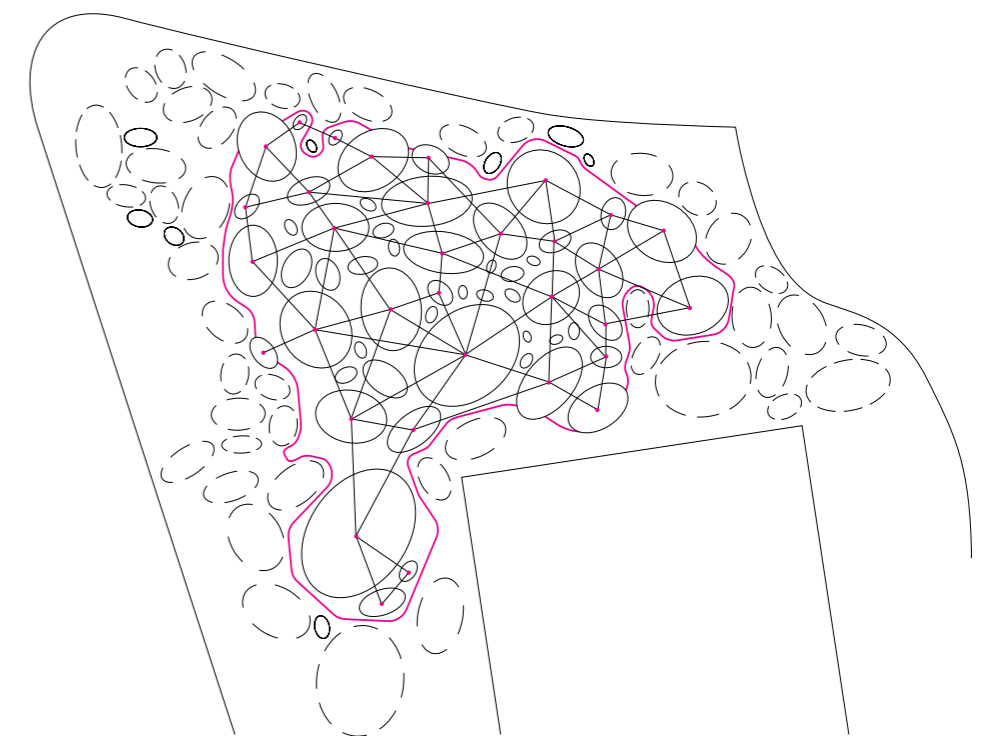
Internal planting integrates the facility within the greater parkland setting. Native low growing plant species are selected and clear stem trees, focused to the south between the facility and the existing sports field, ensure important views are not interrupted.



## ART

Pencil/aerial roots sprout up around the space in the form of timber totems in clumped stands.

By working in collaboration with local artists, the totems will provide a canvas to interpret the traditional use of mangroves.



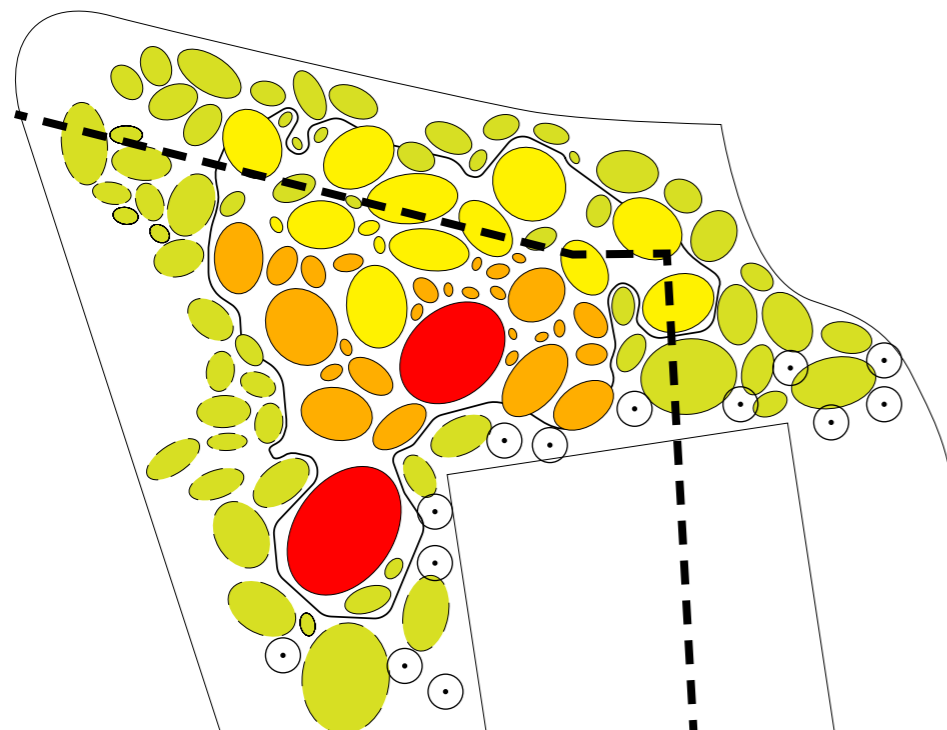
## SKILL NETWORK

Focusing each space internally creates the heart of the facility. A close physical relationship between each program defines a web of activity, each supporting the other.

The diversity of the community and its recreational needs provide a facility that is a central source of knowledge and skill sharing, equipped for workshops and local competitions.

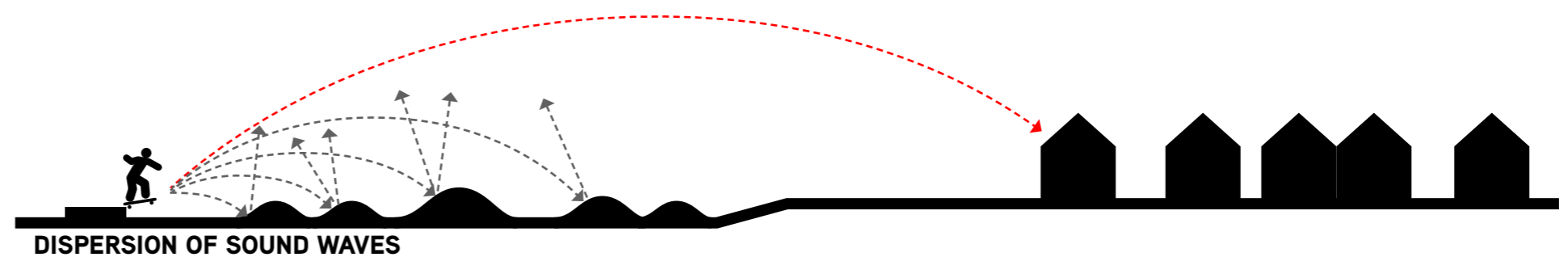
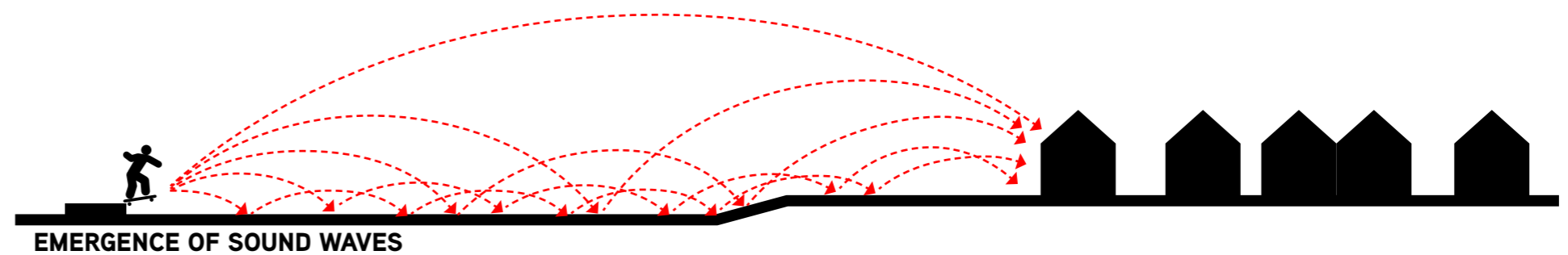
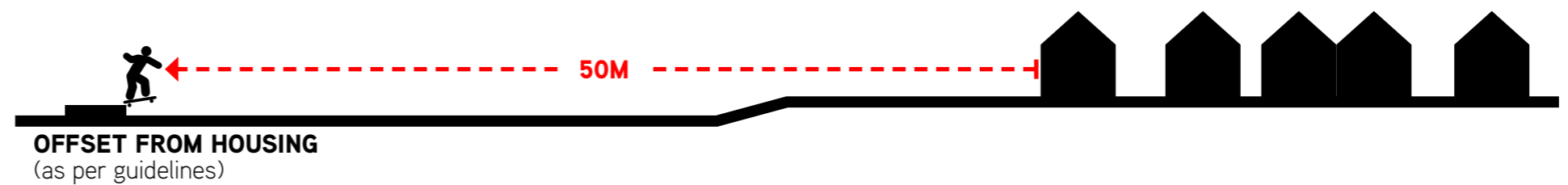
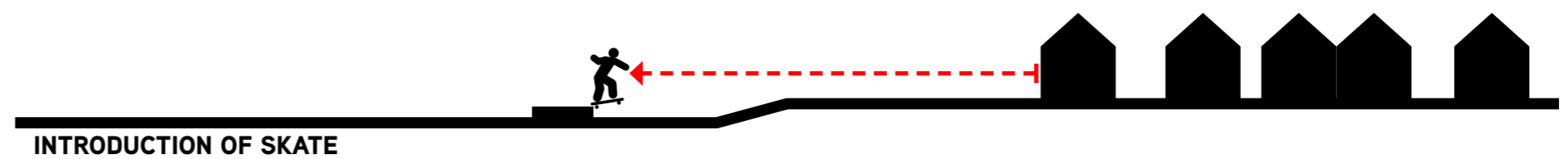
## ACOUSTICS

To ensure acoustics does not impact the surrounding residential community a number of techniques have been adopted to disperse generated sound, whilst also plotting these strategically to reduce their impact and position louder noise levels outside the 50m offset as per guidelines.



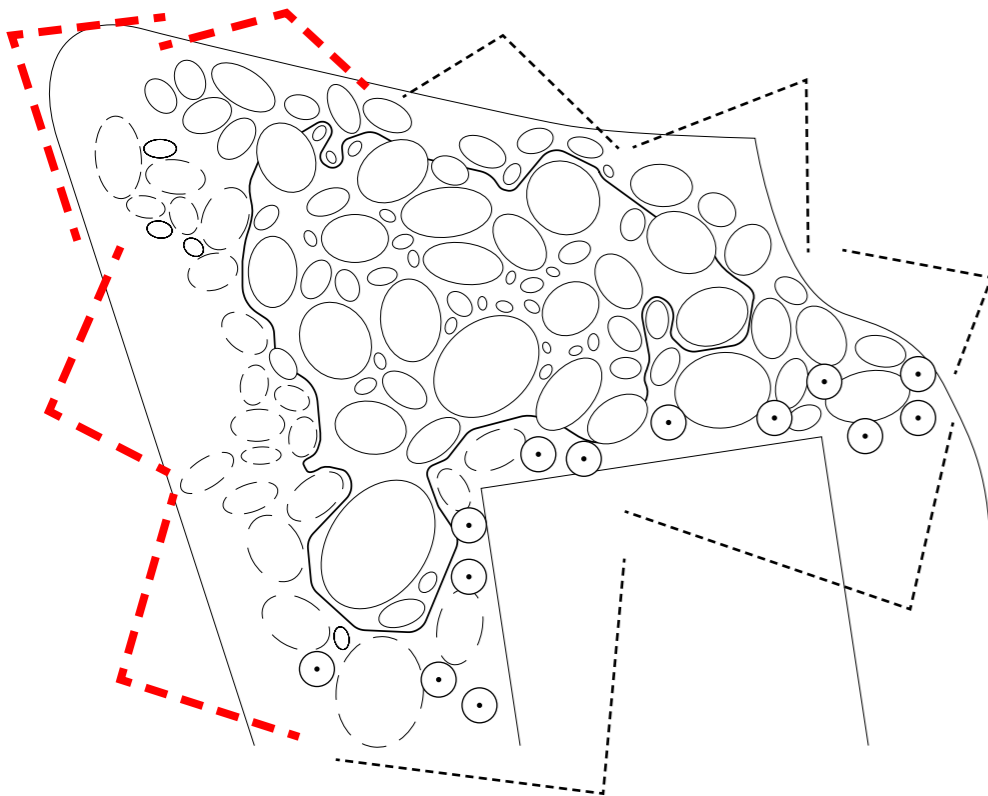
### LEGEND

- Little to no noise level
- Ambient noise level
- Louder noise level
- Noise dispersion (planting or mounding)
- Trees
- 50m residential offset



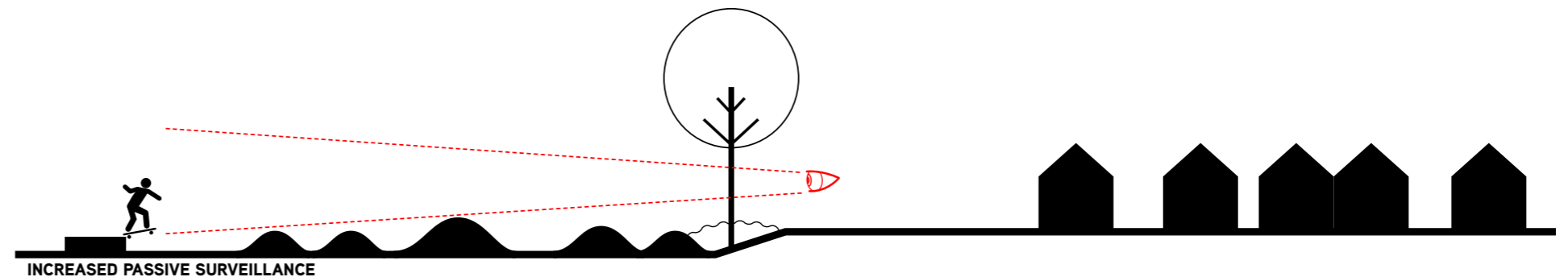
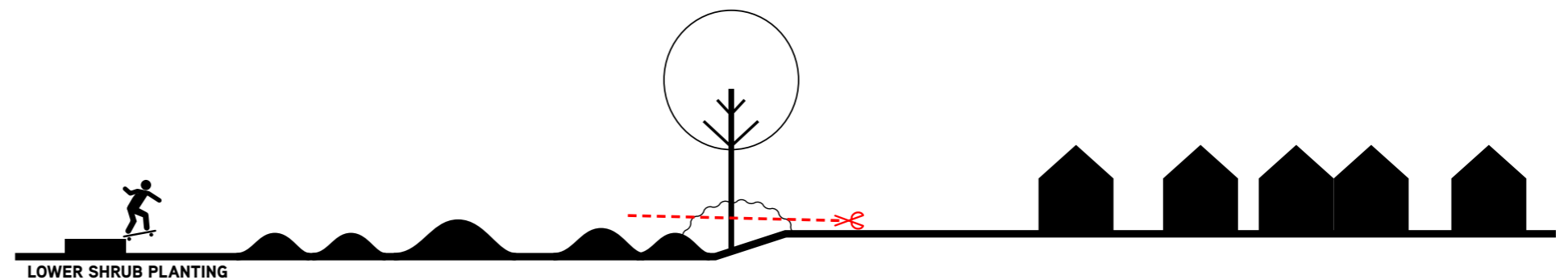
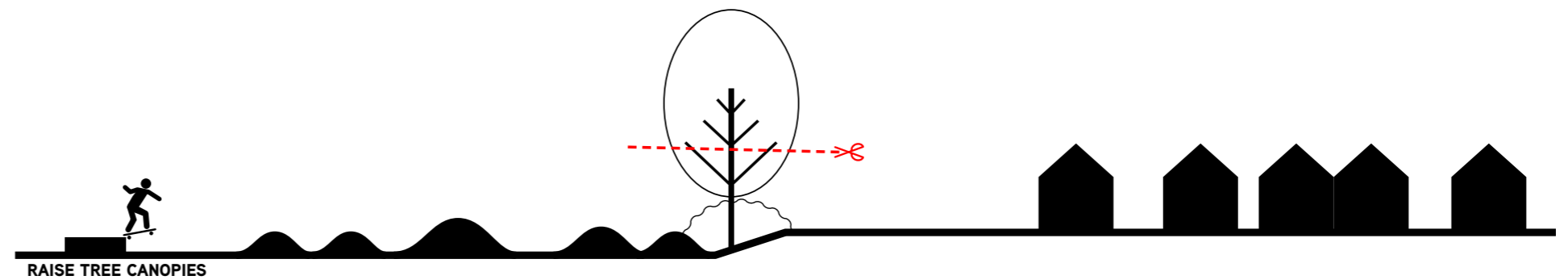
## SAFETY + SURVEILLANCE

Site views for surveillance will be maintained and enhanced. All existing trees will be maintained by lifting the canopies providing 3m clear trunks, whilst existing ground cover, particularly in the north west corner of the site will be lowered to a height of 1m and where necessary removed and replaced with a suitable species selection. All new planting will also work with these parameters.



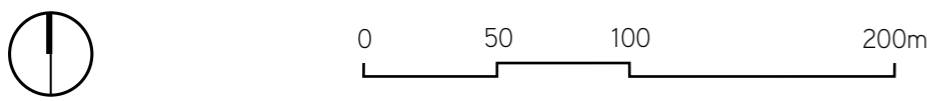
### LEGEND

- Improved views and natural surveillance
- - - Maintained views and natural surveillance



# 03

# MASTERPLAN



**TITLE**  
Context Plan

# 04

## DRAFT CONCEPT CONSULTATION FEEDBACK

The draft concept design consultation process formed stage 2 of the project consultation and consisted of two community events with a supporting online survey. This approach ensured that the community and stakeholders were all provided with an opportunity to further engage with the design process of the Ryde Outdoor Youth And Family Recreation Space, ultimately helping to create a final design outcome that is in line with community aspirations and needs.

Stage 2 consultations ran for a five week period, from 18th July to 14th August 2017 and consisted of the following;

- One weeknight drop-in design workshop - 2 August 2017
- One weekend drop-in design workshop - 5 August 2017
- An online survey - 18 July to 14 August 2017

The presentation of the initial design thinking and direction aimed to provide the community a clear direction and understanding of the type of facility, a sense of scale and details of individual obstacles.

The following design was presented to the community for feedback and endorsement of the approach:



# DRAFT CONCEPT CONSULTATION FEEDBACK

## DESIGN CONSIDERATIONS

The following outlines key findings of the draft concept design community drop-in workshop sessions and online survey. These form the direction to create a final design that is reflective of not just the sites context, site conditions, but also the communities aspirations and local insight.

### SAFETY + SURVEILLANCE AND AMENITY PROVISION

Participants highly favoured the shade shelter and seating within the draft concept design, however, they have indicated that the facility is currently lacking in these areas and there should be the installation of more shade structures and seating throughout both passive and active zones of the site.

Other suggestions regarding amenities by participants included; the installation of a sufficient number of water drinking fountains and recycling and rubbish bins across the facility.

Natural surveillance across all areas of the facility was considered important to users and hence the need to maintain the lighting within the design to keep the facility safe after hours. The inclusion of CCTV into the design was highly favoured.

### ACTIVE RECREATION

The parkour area, bouldering area and table tennis area were all identified as favoured activities by participants, with many suggesting that they become larger in size. The addition of another table tennis table and surrounding wind break to reduce wind interference was mentioned by a large number of participants. The inclusion of boulders of different sizes and skill levels to challenge climbers of all abilities was suggested multiple times.

Many participants identified that the active areas catered mostly to older youth and were less tailored towards children of a younger age bracket. The suggestion of a water play area for young toddlers and more younger children activities such as puzzle play were suggested multiple times.

The addition of a half basketball court and tennis hit up wall were popular suggestions among the community.

### PASSIVE RECREATION

As identified in the online survey a significant number of users will be local residents, wider park users, parents/guardians and spectators. These users require areas of which they are able to relax, watch and socialise within the facility without being interruptive to active users.

Users intending to use the park for passive recreation purposes have identified that they would require larger BBQ and picnic areas or multiple areas where these social activities can take place in zones around the facility, as it is a popular location for picnics and BBQ's, with a number of different groups visiting over the course of an afternoon or weekend.

Participants suggested increasing the number of hammocks present within the facility to cater to more than one user at a time and the inclusion of more open flat green space.

Other passive activities suggested to be included within the ROYS include community growing gardens and a life size chess board.

### SKATE OBSTACLES

Overall the skateable element of the ROYS was highly favoured by participants. Favoured obstacles within the design included the bowl,

skate dish and long flat bar. In general, the skate community support the skill level provision provided, as it caters to and challenge riders of all abilities from beginners to advanced levels. Many participants suggested that there be a separated beginner skate area to reduce collisions and conflict between riders of various ability levels.

Requests for obstacles were limited, however, multiple requests for the bowl to become both larger and deeper were noted. The request for this was identified by many users as the lack of large, deep bowls within the surrounding region for more advanced riders. Other obstacles which were requested frequently included; a spine, flyout zone and snake run.

### LANDSCAPE + THEMING

The surrounding landscape plays an important role in the success of the facility. A large number of participants have requested more open green space and the increased size of various earth mounds to increase surveillance across the site and become rest areas for passive users. Natural shade through the planting of trees has been also identified as important in providing amenity and improving the sites green image and atmosphere.

In regards to the layout of the facility; some members of the community are concerned with the proximity of activities to one another, especially youth activities to the skate area.

Discussions with community members who attended the drop-in sessions consultations understood and supported the Parramatta River theming of the project, particularly exploration into its significant stands of mangroves which creates a unique, site responsive design.

# DRAFT CONCEPT CONSULTATION FEEDBACK

## KEY SKATE FEEDBACK:

Overall, the design was well received, the following reflects key community and Council feedback on the skate direction:

- 1 Make surrounding perimeter into an informal 'play track' for younger children to ride scooter and bikes - separate to skate obstacles that flows around the whole facility.
- 2 Provide a deeper, competition level bowl that allows users to progress their skills to a more advanced level.
- 3 Redesign skate dish to allow for a higher capacity of users and progression with different height extensions and a spine.
- 4 Increase platform space for safe stop / start areas
- 5 Rationalise eastern corner of skate to increase functionality and back and forth flow + keep away from soccer pitch.
- 6 Increase street area functionality.





# DRAFT CONCEPT CONSULTATION FEEDBACK

## KEY LANDSCAPE FEEDBACK:

Overall, the design was well received, the following reflects key community and Council feedback on the landscape and amenity direction:

- 1 Increase shade within the facility and incorporate a second shaded skate stopping point.
- 2 Add an additional BBQ area for increased passive recreation.
- 3 Minimise mounding due to potential drainage issues and incorporate more functional seating mounds.
- 4 Include a shelter near the bowl and seating that works with skate and the soccer pitch.
- 5 Increase green areas within the facility.
- 6 Allow for a new playground and equipment for younger children.
- 7 Include progressional bouldering features that cater for skill progression: beginner, intermediate, advanced.
- 8 Relocate younger children's play away from the road frontage.
- 9 Allow more space between the soccer pitch and skate.





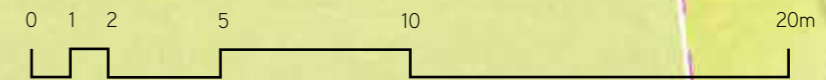
# FINAL CONCEPT PLAN

CONSTITUTION ROAD

- LEGEND**
- 1 Entry Paths
  - 2 Parkour Area
  - 3 Table Tennis Area
  - 4 Picnic Area 1
  - 5 Picnic Area 2 (Provisional)
  - 6 New Play Area (Provisional)
  - 7 Beginner - Intermediate Bouldering Area (Provisional)
  - 8 Advanced Bouldering Area
  - 9 Upper Skate Park
  - 10 Asphalt Play Track
  - 11 Competition Skate Bowl
  - 12 Play Net Area (Provisional)
  - 13 Nature Play Area
  - 14 Seating Area
  - 15 Terraced Areas
  - 16 Lighting Columns/CCTV/Wi-fi
  - 17 Large Shade Shelter 1
  - 18 Large Shade Shelter 2 (Provisional)
  - 19 Small Shade Shelter (Provisional)



EXISTING SPORTS PITCH



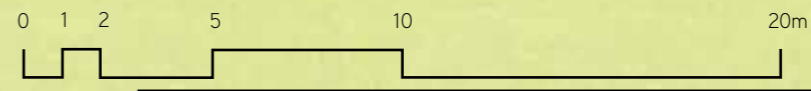
**TITLE**  
Layout Plan

CONSTITUTION ROAD

# MAIN WORKS - SKATE

- LEGEND**
- 1 1200H Quarter Pipe
  - 2 900H Quarter Pipe + Roll-ins
  - 3 350H Ledge
  - 4 200H Manual Pad
  - 5 450H Rail
  - 6 340H Garden Gap Kicker to Kicker
  - 7 900H Flat Bank Hip
  - 8 400H Flat Bank with Hubbas
  - 9 1200H Quarter Pipe
  - 10 580H Mogul
  - 11 1650H Mogul
  - 12 600H Flat Bank
  - 13 200H Euro Gap
  - 14 1800H Extension
  - 15 900H Quarter Pipe
  - 16 1200H Spine
  - 17 200H Quarter Pipe Extension
  - 18 300H Flat Bank
  - 19 900H Quarter Pipe With Kurb
  - 20 340H A-Frame
  - 21 450H Pole Jam
  - 22 600H Volcano
  - 23 1000H Flat Bank with Roll-In
  - 24 750H Flat Bank with Kurb
  - 25 750H Mogul
  - 26 2400H Bowl Extension
  - 27 1800H Bowl Shallow End
  - 28 1200H Waterfall
  - 29 3000H Bowl Deep End

EXISTING SPORTS PITCH



**TITLE**  
Main Works - Skate Plan

CONSTITUTION ROAD

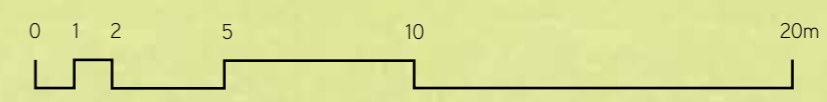
# MAIN WORKS - LANDSCAPE

**LEGEND**

- 1 Concrete Pavement (Entry Paths, Seating and Terraced Areas)
- 2 Asphalt Play Track
- 3 Grassed Areas
- 4 Garden Beds Areas
- 5 Mature Tree Species
- 6 Rubber Softfall (Parkour and Table Tennis Areas)
- 7 Mulch Softfall (Advanced Bouldering and Nature Play Areas)
- 8 Granitic Gravel (Picnic Area 1)
- Provisional Landscaped Areas



EXISTING SPORTS PITCH



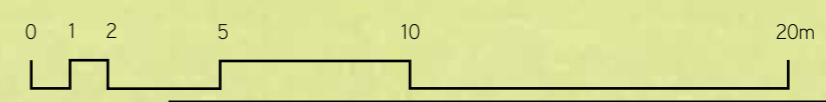
**TITLE**  
Main Works - Landscape Plan

# MAIN WORKS - FURNITURE

- LEGEND**
- 1 Signage
  - 2 Large Shade Shelter (Picnic Area 1)
  - 3 BBQ (Picnic Area 1)
  - 4 Picnic Tables (Picnic Area 1)
  - 5 Bench seating (Seating Area)
  - 6 1 x Drinking Fountain (Picnic Area 1)
  - 7 Rubbish bin (Picnic Area 1 and Seating Area)
  - 8 Rock Features
  - 9 Stepping Stones (Garden Bed Areas)
  - 10 Table Tennis (Table Tennis Area)
  - 11 Parkour Equipment (Parkour Area)
  - 12 Advanced Bouldering Wall
  - 13 Small Nature Play
  - 14 Totem Poles (Garden Bed Areas)
  - 15 Lighting and Electrical and CCTV
  - Provisional Furniture Items



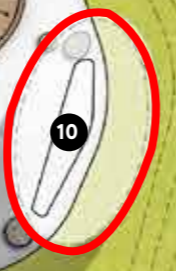
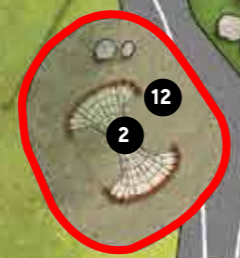
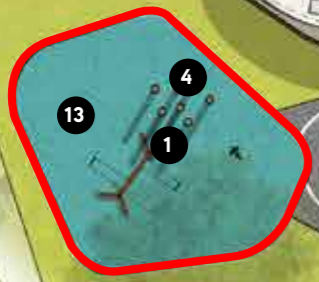
EXISTING SPORTS PITCH



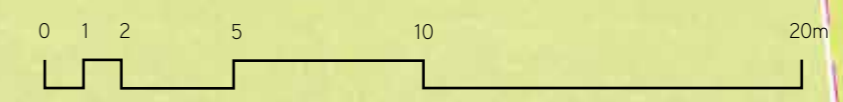
**TITLE**  
Main Works - Furniture Plan

# PROVISIONAL WORKS

- LEGEND**
- 1** Play Equipment (Play Area)
  - 2** Arc Tunnel (Net Play Area)
  - 3** Climbing Wall (Beginner - Intermediate Bouldering Area)
  - 4** Totem Poles (Picnic Area 2 and Play Areas)
  - 5** BBQ (Picnic Area 2)
  - 6** Picnic Tables (Picnic Area 2)
  - 7** Drinking Fountain (Picnic Area 2)
  - 8** Rubbish Bin Enclosure (Picnic Area 2)
  - 9** Small Shade Shelter (Upper Skate Park Area)
  - 10** Large Shade Shelter (Competition Skate Bowl Area)
  - 11** Granitic Gravel (Picnic Area 2)
  - 12** Mulch Softfall (Beginner/Intermediate Bouldering and Net Play Areas)
  - 13** Rubber Softfall (Play Area)
- Provisional Items



EXISTING SPORTS PITCH



# 06

# MATERIAL SCHEDULE

## MATERIAL SCHEDULE - MAIN WORKS

No.	ITEM	DESCRIPTION	QTY	UNIT
<b>MAIN WORKS</b>				
<b>1.0</b>	<b>PRELIMINARY WORKS</b>			
1.1	Preliminaries	Including insurances, mobilisation, site establishment, project management, travel demobilization, accommodation, flights, temporary power, sundries, temporary wc, Construction Project Management Plan, OH&S, safety signs and temporary site perimeter fence erected, surveyor and all other site establishment costs.	1	Item
1.2	Earthworks	All earthworks and excavation required to achieve depth for proposed scope of works. Including cut to fill works, forming and detail trimming to surfaces, grading and blending to match surroundings. All required fill shall be supplied by Council. Tenderes shall allow for cartage to site from Council's depot near Macquarie Park (approx. 10km).	1	Item
1.3	Drainage	Supply and installation of all required drainage works to provide for the discharge of storm water from the hard landscape areas and prevent the pooling of storm water at low points in the soft landscape areas. This includes the provision of point drainage and sub-surface drainage and their connections to a legal point of discharge.	1	Item
<b>2.0</b>	<b>SKATE PARK WORKS</b>			
2.1	Skate Park (Upper Skate Park and Competition Bowl Areas)	Supply and installation of 32MPa reinforced skate park concrete slabs, bases, platforms, ramps, blocks, walls, skate, terraces and seats. Including the preparation of all works necessary, sub grade preparation, formwork, supply, plant, labour, placement, reinforcement, setting of cast in steelworks, vibration, localised thickenings, upstand walls, footings, edge beams, finishing off, curing and sealing. - Concrete colours: 'Portland Grey' and 'Saddle Brown' - Refer to drawings for colour locations. - Finish: All Skate surfaces to be of a 'Burnished Steel Finish'. - Joints: Skatepark specific construction and saw cut joints. Caulking to all joints. - Sealant: All skate surfaces to be sealed with 'Parchem Lustreseal Extended Wear' to manufacturer's specification.	1600	M2
2.2	Granite Coping (Competition Bowl Area)	Supply and install of custom honed granite coping to the perimeter of the deep end of the competition bowl only. Coping shall be adhered in place with specifically designed adhesive system to ensure long lifespan of coping. Joints shall be minimal to ensure excessive wear and tear do not occur. Note: Contractor to provide 20% extra tiles for future maintenance and repairs. - Supplier: Granite Works - Size: nom. 600long x 300 wide - Colour: 'Tasman Grey' - Finish: Polished	25	Lin.M
2.3	Metalworks - RHS Steel Coping	Supply and install galvanised 150x50x5mm RHS duragal coping fabricated to required length and radius. Cast into concrete to strict skate park tolerances. - Finish: Galvanised - Fixing: N12 starter bars welded to coping and tied to slab mesh.	60	Lin.M
2.4	Metalworks - CHS Steel Coping	Supply and Install 50mm NB 4.5mm Thick CHS duragal coping fabricated to required length and radius. Cast into concrete to strict skate park tolerances. - Finish: Galvanised - Fixing: N12 starter bars welded to coping and tied to slab mesh.	150	Lin.M
2.5	Metalworks - Fabricated Steel Elements	Supply and installation of all galvanised and painted steel skateable grind rails. - Finish: Galvanised and painted. - Colour: TBC (allow for painted finish) - Fixing: Cast in fixing.	2	Item
2.6	Metalworks - Fabricated Steel Elements	Supply and installation of all corten steel skateable custom features. - Finish: Corten. - Fixing: Cast in fixing.	2	No.

No.	ITEM	DESCRIPTION	QTY	UNIT
<b>3.0</b>	<b>HARD LANDSCAPE</b>			
3.1	Concrete Pavement (Entry Paths, Seating and Terrace Areas)	Supply and installation of concrete pavement to entry paths, seating and terrace areas. Integral coloured reinforced concrete. Scope to include all works necessary; preparation, formwork, supply, plant, labour, placement, reinforcement, vibration, localised thickening, footings, edge beams, finishing off and joint work. - Colour: 'Shore Line'. - Finish: Slip resistant timber float finish. - Joints: As per Council standard drawings.	200	M2
3.2	Asphalt Play Track	Supply and installation of asphalt play track. Price to include all works necessary; preparation, formwork, supply, plant, labour, placement, compaction and linemarking. - Finish: Nom. 30mm depth, smooth finish (nom. 7mm aggregate). - Linemarking: 200mm wide painted road linemarking to surface	625	M2
3.3	Concrete Edging (Asphalt Play Track)	Supply and installation of 150mm wide concrete edging to asphalt play track area. Edging to be provided at interface with soft landscape. - Colour: Portland Grey - Finish: Slip resistant timber float finish.	400	Lin.M
3.4	Concrete Edging (Picnic Area 1, Parkour, Table Tennis, Advanced Bouldering and Nature Play areas)	Supply and installation of 200mm wide concrete edging to the perimeter of Picnic Area 1 and the Parkour, Table Tennis, Advanced Bouldering and Nature Play areas. - Colour: Portland Grey - Finish: Slip resistant timber float finish.	140	Lin.M
<b>4.0</b>	<b>SOFT LANDSCAPE</b>			
4.1	Grassed Areas	Supply and installation of 100mm topsoil seeded grass to areas surrounding project works. - Species: Kikuyu.	4000	M2
4.2	Garden Bed Areas	Supply and installation of topsoil to garden beds at a depth of 200mm or as otherwise approved depending on existing soil substrate. Supply and install 75mm deep eucamulch to extent of all garden beds. Supply and installation of ground covers and shrubs as per planting palette to layout approved by council. - Pot size of groundcovers to be tubestock planted at density of 4/m2. - Pot size of shrubs to be tube stock planted at density of 1/m2	450	M2
4.3	Mature Tree Species	Supply and installation of semi-advanced trees (1.5m HT / 30mm caliper). - Species as per planting palette.	30	No.
4.4	Rubber Softfall (Parkour and Table Tennis Areas)	Supply and installation of wet pour rubber softfall, including crushed rock sub base and preparation to Parkour and table tennis areas. Specifications and depth of rubber to comply with relevant Australian Standards and required impact attenuation for intended use.	120	M2
4.5	Mulch Softfall (Advanced Bouldering and Nature Play areas)	Supply and installation of nominal 300mm deep play mulch to the Advanced Bouldering and Nature Play Areas. Specifications and depth of mulch to comply with relevant Australian Standards and required impact attenuation for intended use.	80	M2
4.6	Granitic Gravel (Picnic Area 1)	Supply and installation of nominal 75mm deep compacted granitic gravel, including crushed rock sub base and preparation, to Picnic Area 1.	85	M2



# MATERIAL SCHEDULE

No.	ITEM	DESCRIPTION	QTY	UNIT
<b>5.0</b>	<b>FURNITURE ITEMS</b>			
5.1	Signage	Fabrication supply and installation of vandal resistant laser cut feature entry and safety signage including footings.	1	No.
5.2	Large Shade Shelter (Picnic Area 1)	Supply and install custom shade structure to Picnic Area 1, including fabrication, roofing, gutters, downpipes, connection to stormwater, finishing, delivery to site, footings and site installation. Shelter to have a total area coverage of 50m2.	1	Item
5.3	BBQ (Picnic Area 1)	Supply and installation of 1 no. electric BBQ to Picnic Area 1, including all electrical works. - Double BBQ KB202. - Supplier: Landmark Open Space Structures and Solutions. - Colour: Stainless steel front. Colour powdercoated to three sides (colour TBC) with fully welded stainless steel bench top.	1	No.
5.4	Picnic Tables (Picnic Area 1)	Supply and installation of picnic tables to Picnic Area 1, including all associated concrete footings. - TM4547-46 Septem picnic setting. - Supplier: Commercial Systems Australia. - Colour: Frame aluminium powdercoated black. Battens of table and benches to be Australian hardwood (Class 1). Table to be freestanding with bolt down fixings.	2	No.
5.5	Seating (Seating Area)	Supply and installation of bench seating to the Seating Area, including all associated concrete footings. - TM4546 Septem bench. - Supplier: Commercial Systems Australia. - Colour: Frame aluminium powdercoated black. Battens to be Australian hardwood (Class 1). Bench to be freestanding with bolt down fixings.	4	No.
5.6	Drinking Fountains (Picnic Area 1)	Supply and installation of drinking fountain to Picnic Area 1, including all associated plumbing, and concrete footings. - KF502W Cascade Drinking Fountain with offset pedestal. - Supplier: Landmark Open Space Structures and Solutions. - Colour: Two pack painted steel with bolt to ground fixing.	1	No.
5.7	Rubbish Bin Enclosures (Picnic Area 1 and Seating Area)	Supply and installation of rubbish bin enclosure to Picnic Area 1 and Seating Area, including all associated concrete footings. - LR6164 Perforated 240L bin enclosure with tapered frontry standard (MSTF) and recycling lid (MSTR). - Supplier: Commercial Systems Australia. - Colour: Powdercoated (colour TBC). Bolt down fixings.	2	No.
5.8	Rock Features	Supply and installation of rock features / boulders throughout site. Boulders are to vary in size with approximate height above finished surface level to range between 300mm and 1m. Embed boulders one third into ground.	1	Item
5.9	Stepping Stones (Garden Bed Areas)	Supply and installation of rock stepping stones through garden bed areas for access to terraces. - Size: nom. 1200 x 600 x 60deep concrete slabs	10	No.

No.	ITEM	DESCRIPTION	QTY	UNIT
<b>6.0</b>	<b>PLAY ITEMS</b>			
6.1	Table Tennis (Table Tennis Area)	Supply and installation of steel table tennis table, including all associated concrete footings. - Flagship mild steel ping pong table assembled on site. - Supplier: 'Popp'. - Table to be constructed of Corten and to be surface fixed to concrete footing.	1	No.
6.2	Parkour Equipment (Parkour Area)	Supply and installation of all concrete blocks and metal framework in parkour zone. - Supply and installation of 32 MPa Portland reinforced concrete walls and columns designed for parkour, including all works necessary, preparation, footings, reinforcement, vibration, formwork and finishing. Walls and columns shall be 3m in height and include climbing grips installed as per manufacturer's specifications. - Supply and installation of custom Moddex system designed for parkour use.	1	Item
6.3	Climbing Wall (Advanced Bouldering Area)	Supply and installation of 1 no. concrete climbing wall with climbing grips, including all associated concrete footings. - Size: nom. 3M long x 3M high	1	Item
6.4	Small Nature Equipment (Nature Play Area)	Supply and installation of all logs and rocks to nature play area.	1	Item
6.5	Totem Poles (Garden Bed Areas)	Supply and installation of all timber totem poles, including all associated footings, to garden bed areas. - Timber totem poles to be 150mm in diameter and set at varying heights of 2.0 - 3.5M - Colour: Timber totem poles to be painted (colour TBC)	20	No.
<b>7.0</b>	<b>ELECTRICAL ITEMS</b>			
7.1	Lighting and Electrical	Design, supply and installation of light columns, footing, flood lights, trenching, cabling and power outlets.	1	Item
7.2	CCTV	Supply and installation of CCTV cameras, and communications and power conduits. System hooked up to existing council infrastructure (operations and infrastructure not budgeted for)	1	Item

# MATERIAL SCHEDULE

## MATERIAL SCHEDULE - PROVISIONAL WORKS

No.	ITEM	DESCRIPTION	QTY	UNIT
<b>PROVISIONAL WORKS</b>				
<b>8.0</b>	<b>HARD LANDSCAPE</b>			
<b>8.1</b>	Concrete Edging (Picnic Area 2 and Play, Beginner/Intermediate Bouldering and Play Net Areas)	Supply and installation of 200mm wide concrete edging to the perimeter of Picnic Area 2 and the Play, Beginner/Intermediate Bouldering and Play Net Areas. - Colour: Portland Grey - Finish: Slip resistant timber float finish.	130	Lin.M
<b>9.0</b>	<b>SOFT LANDSCAPE</b>			
<b>9.1</b>	Rubber Softfall (Play Area)	Supply and installation of wet pour rubber softfall, including crushed rock sub base and preparation to the Play Area. Specifications and depth of rubber to comply with relevant Australian Standards and required impact attenuation for intended use.	130	M2
<b>9.2</b>	Mulch Softfall (Beginner/Intermediate Bouldering and Net Play areas)	Supply and installation of nominal 300mm deep play mulch to the Beginner/Intermediate Bouldering and Net Play Areas. Specifications and depth of mulch to comply with relevant Australian Standards and required impact attenuation for intended use.	120	M2
<b>9.3</b>	Granitic Gravel (Picnic Area 2)	Supply and installation of nominal 75mm deep compacted granitic gravel, including crushed rock sub base and preparation, to Picnic Area 2.	85	M2
<b>10</b>	<b>FURNITURE ITEMS</b>			
<b>10.1</b>	Large Shade Shelter (Competition Skate Bowl Area)	Supply and install custom shade structure to the competition skate bowl area, including fabrication, roofing, gutters, downpipes, connection to stormwater, finishing, delivery to site, footings and site installation. Shelter to have a total area coverage of 50m2.	1	Item
<b>10.2</b>	Small Shade Shelters (Upper Skate Park Area)	Supply and install custom shade structures to the upper skate park area, including fabrication, roofing, gutters, downpipes, connection to stormwater, finishing, delivery to site, footings and site installation. Shelter to have a total area coverage of 15m2.	1	Item
<b>10.3</b>	BBQ (Picnic Area 2)	Supply and installation of 1 no. electric BBQ to Picnic Area 2, including all electrical works. - Double BBQ KB202. - Supplier: Landmark Open Space Structures and Solutions. - Colour: Stainless steel front. Colour powdercoated to three sides (colour TBC) with fully welded stainless steel bench top.	1	No.
<b>10.4</b>	Picnic Tables (Picnic Area 2)	Supply and installation of picnic tables to Picnic Area 2, including all associated concrete footings. - TM4547-46 Septem picnic setting. - Supplier: Commercial Systems Australia. - Colour: Frame aluminium powdercoated black. Battens of table and benches to be Australian hardwood (Class 1). Table to be freestanding with bolt down fixings.	2	No.
<b>10.5</b>	Drinking Fountain (Picnic Area 2)	Supply and installation of drinking fountain to Picnic Area 2, including all associated plumbing, and concrete footings. - KF502W Cascade Drinking Fountain with offset pedestal. - Supplier: Landmark Open Space Structures and Solutions. - Colour: Two pack painted steel with bolt to ground fixing.	1	No.
<b>10.6</b>	Rubbish Bin Enclosure (Picnic Area 2)	Supply and installation of rubbish bin enclosure to Picnic Area 2, including all associated concrete footings. - LR6164 Perforated 240L bin enclosure with tapered front standard (MSTF) and recycling lid (MSTR). - Supplier: Commercial Systems Australia. - Colour: Powdercoated (colour TBC). Bolt down fixings.	1	No.

No.	ITEM	DESCRIPTION	QTY	UNIT
<b>11</b>	<b>PLAY ITEMS</b>			
<b>11.1</b>	Arc Tunnel (Net Play Area)	Supply and installation of Kompan play - 'Arc Tunnel - COR20600006'. Installation of feature to Manufacturer's specifications including all associated concrete footings.	1	Item
<b>11.2</b>	Climbing Wall (Beginner/Intermediate Bouldering Area)	Supply and installation of 1 no. concrete climbing wall with climbing grips, including all associated concrete footings. - Size: nom. 3M long x 3M high	1	Item
<b>11.3</b>	Play Equipment (Play Area)	Supply and installation of play equipment to Play Area, including all associated concrete footings. Tenderers shall include a Provisional Sum of \$100,000 for this item.	1	Item
<b>11.4</b>	Totem Poles (Picnic Area 2 and Play Area)	Supply and installation of all timber totem poles, including all associated footings, to Picnic Area 2 and the Play Area. - Timber totem poles to be 150mm in diameter and set at varying heights of 2.0 - 3.5M - Colour: Timber totem poles to be painted (colour TBC)	12	No.



**TITLE**  
Skate Plaza and Play Track





**TITLE**  
Competition Bowl

# 08

# PALETTES

## LANDSCAPE REFERENCE IMAGES

A dynamic and engaging landscape strategy defines the skate and family space and creates an iconic and active destination for the broader community. Organic forms and meandering routes create a playful landscape for all.



## RECREATION REFERENCE IMAGES

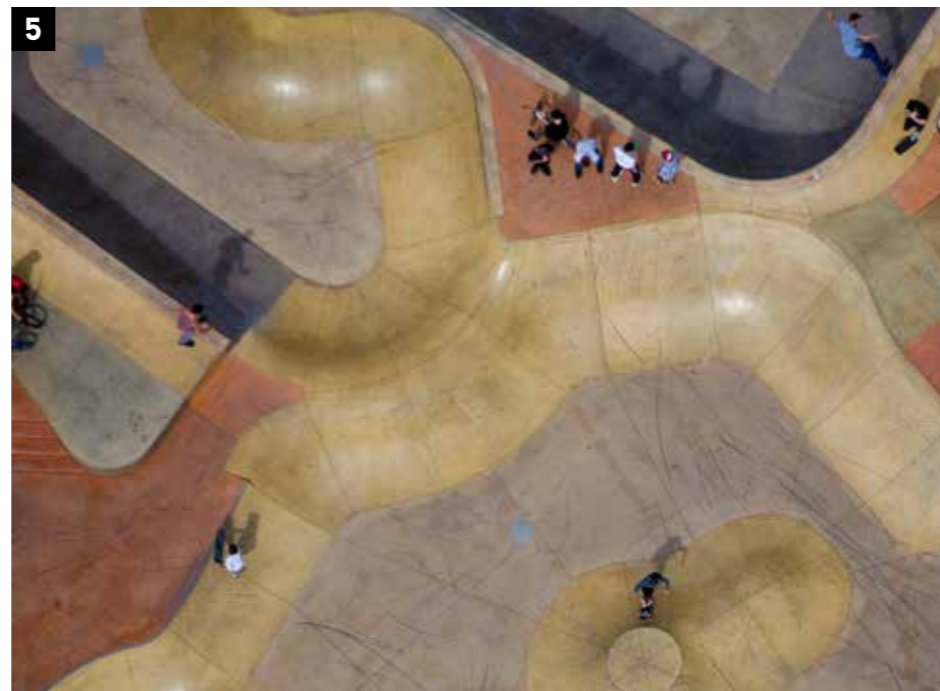
Timber totem groves, scattered rocks, burnt corten steel, and natural concrete tones tie together a variety of recreational programs into a seamless skate and family space, suitable for all skill levels and user types.



## MATERIALS + FINISHES

Mangrove wood is resistant to rot and insects, making it extremely valuable. Many indigenous communities rely on this wood for construction material as well as for fuel. Timber as well as other natural materials will be used throughout to integrate the facility into its setting. Natural tones and textural finishes will further enhance its natural sense of place.

1. Concrete edging/walls
2. Feature Rocks
3. Skateable brick stencil
4. Asphalt play track
5. Earthy concrete tones
6. Corten steel





## FURNITURE

1. Rock seating clusters
2. Signage
3. Seating Platforms
4. Lighting
5. Drinking fountain and bottle filler
6. Light weight, all weather shade structures
7. Outdoor BBQ
8. Picnic Tables



## LIGHTING

The lighting palette creates a usable and safe night time space. Achieved through lighting for active sport usability.

Lighting will be strategically positioned to provide an even distribution of light, to mitigate shadows during active use and in skate landing zones. Lighting will be timed and directional with minimal light spray.

## ART INTERPRETATION

The canvas for art interpretation is provided through timber totems positioned in clumped stands around the facility. These echo the pencil roots of the mangrove forests.

Many natural resource products were gathered from mangroves and used by Indigenous peoples for more than 40,000 years. These ecosystems continue to have high cultural significance. Many Indigenous foods are obtained from mangrove environments, including boring bivalves, clams, mud crabs, mangrove worms, and fish. Certain mangrove plants are used as food, like *Avicennia marina* fruit. Mangrove plants are also a source of medicines. For instance, the ashes from burnt *Cerriops australis* and *Camptostemon schultzei* wood is used to heal sores and infections, while the bark of *Avicennia marina* is used to treat stingray stings. Mangrove timber has been used to construct canoes, paddles, spears and boomerangs. The list of such uses is long and diverse.

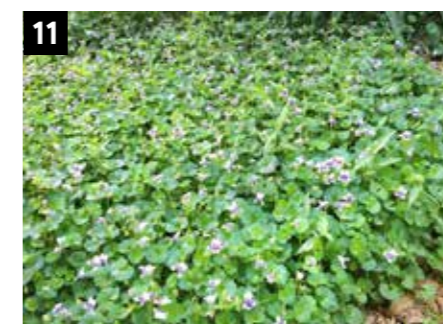


## PLANTING

The planting responds to the organic nature of the design, providing a soft landscape visual to the more robust qualities of the skate park, and combines a natural landscape character with an urban active space.

The planting is designed to soften the transition from the new facility to the grassed expanses of the existing wider parkland. Plants selected for architectural structure and texture are grouped in organic clumping, providing a dynamic sense of movement and structure reflecting the active nature of the setting.

1. Angophora costata
2. Tristaniopsis laurina
3. Lomandra fluviatilis
4. Lomandra Verday
5. Casuarina glauca
6. Acacia Cognata "Limelight"
7. Poa labillardieri
8. Westringia fruticosa
9. Lepidosperma laterale
10. Pimelea linifolia
11. Viola hederacea
12. Gahnia erythrocarpa
13. Dianella revoluta
14. Ficinia Nodos



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# 09

# CONCLUSION

## **MOVING FORWARD**

Upon council review and endorsement of the Final Concept Design, the Final Concept will be released for Tender as a Design and Construction project. It is anticipated that construction will be completed in 2018.

City of Ryde will continue to keep stakeholders and the community updated on the project direction and key dates within the program.

# CONVIC

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