



Design Report
Garden Island: ARTifact
Jon Kane

Garden Island has been occupied by the Navy and Industry for over a century. With the relocation of the Naval forces to Brisbane, Garden Island has an opportunity to return to the public domain. The reunited Garden Island has the potential to become an exciting location for a new Arts and Cultural epicentre to accommodate the growing popularity of Arts and Cultural events around Sydney with the Worlds's largest natural harbour as its backdrop.



Context

Chapter 1:	Introduction, pg 4-5
Chapter 2:	Previous Studio, pg 6-9
Chapter 3:	Brief & Key Analysis, pg 10-11
Chapter 4:	Design Process, pg 12-15
Chapter 5:	Master Plan, pg 16-19
Chapter 6:	Sections pg 20-35
Chapter 7:	Detailed Master Plan, pg 36-48
Chapter 8:	Planting Palate, pg 49-51

Introduction 01



Introduction

Garden Island is situated at the North-East end of Woolloomooloo basin, Sydney. The site is predominately occupied by the Australian Navy and is off limits to the public except for a small parcel of land on the peninsular of Garden Island. This parcel of land houses a Maritime Museum and provides access to the public park situated on the rise of Garden Island. The Naval area consists of maritime industrial facilities, large warehouses, cranes, the Captain Cook dry dock, limited infrastructure and housing for the naval force. The site has an existing ferry terminal on the Northern tip of Garden Island that links to the Circular Quay services. It also has limited access to the Southern extent of the island through Cowper Wharf Roadway.

From Garden Island there are extensive views of Sydney harbour and clear visual connections to some of Sydney's iconic destinations. In particular the Sydney Opera House, The Sydney Harbour Bridge, The Art Gallery of NSW, Fort Denison and Mrs Macquarie's Chair are clearly visible from the Island. Garden Island's industrial heritage is also very prevalent and a number of highly significant elements are found on the site. The Captain Cook Dry Dock is of high importance and is still in operation. Perhaps the most iconic links to Garden Island's past is the imposing Hammer Head Crane on the Southern end of the site. This crane dominates the site visually.

With the Navy's strangle hold of Garden Island reducing the once disconnected parklands found on the Northern section of the site have the opportunity to be reconnected to Garden Island and to Woolloomooloo.



Site Context Map



Previous Studio 02

Studio 7

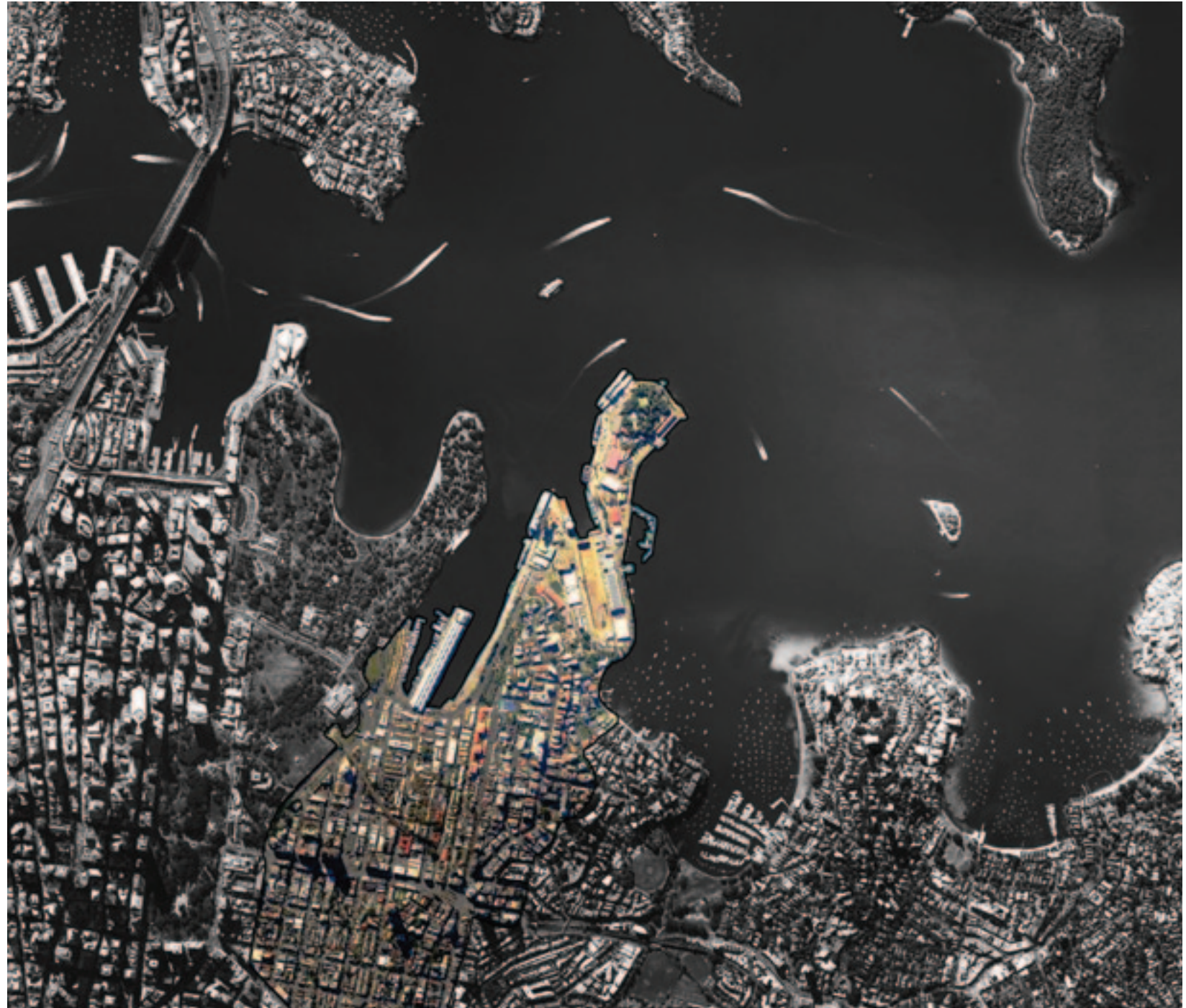
Previous Semesters Work:

Last Semester we looked at Woolloomooloo at a greater scale. Our site encompassed the complete Woolloomooloo Basin and portions of Kings Cross, the Domain, and south of Williams Street into Surry Hills. We had the added challenge of providing housing for an extra ten thousand residents and creating five thousand extra jobs for the Woolloomooloo basin.

To achieve these outcomes we proposed two developments within Woolloomooloo Basin;

The first is located in what we identified as the heart of Woolloomooloo. That is, the area from Bourke Street running East to Dowling street and extending from Cathedral street to Cowper Wharf Road in the North (see Master plan on the following page).

The Second site is located in the area surrounding the iconic Hammer Head Crane, in the Southern tip of Garden Island. This site extended south of the aptly named 'Hammer Head Point' to the area immediately surrounding the Captain Cook Dry dock and the existing industrial land up to Cowper Wharf road.



Site boundary and Site Context





Master Plan

Scale 1:1000 @ A1

Our Approach:

Our main goal was to provide housing and employment whilst having minimum impact on the ground plane of the site.

By minimising this impact we were able to maximise harbour views and to create a relationship between the water front and the building infrastructure so that they did not inhibit these views. This gave the public a greater connection to the space and the site became visually more pleasing.

By limiting building infrastructure impacting the ground plane it was critical that where it did interact there would be an intense injection of activity. This will allow for public interactions, create a dynamic environment of activity and would help link these injections creating a sense of place.

We also felt that it was important to reference the past of Garden Island and identified the Hammer Head Crane as the catalyst of an intervention that would create a new dynamic force on the ground plane. In our interventions, the Crane lifted the ground plane creating a series of hills that added a more engaging ground plane interface.

The built form interacted with the new landform by straddling hills, providing courtyards and dynamic entrances to the buildings.



Site B Master Plan

Scale 1:200 @ A1

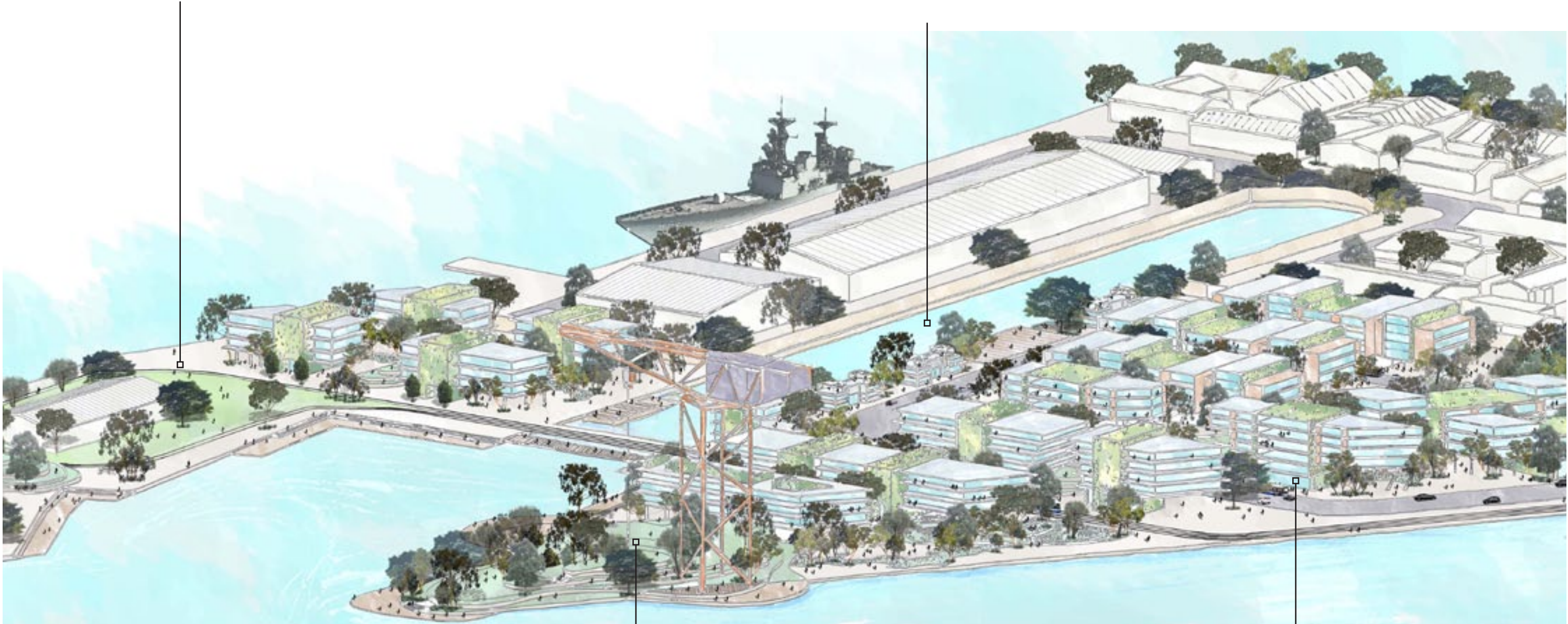


Section AA

Scale 1:200 @ A1

Proposed light rail connection to Garden Island.

Captain Cook Dry Dock has been flooded to provide active water frontage



Axonometric Projection of Hammer Head Point

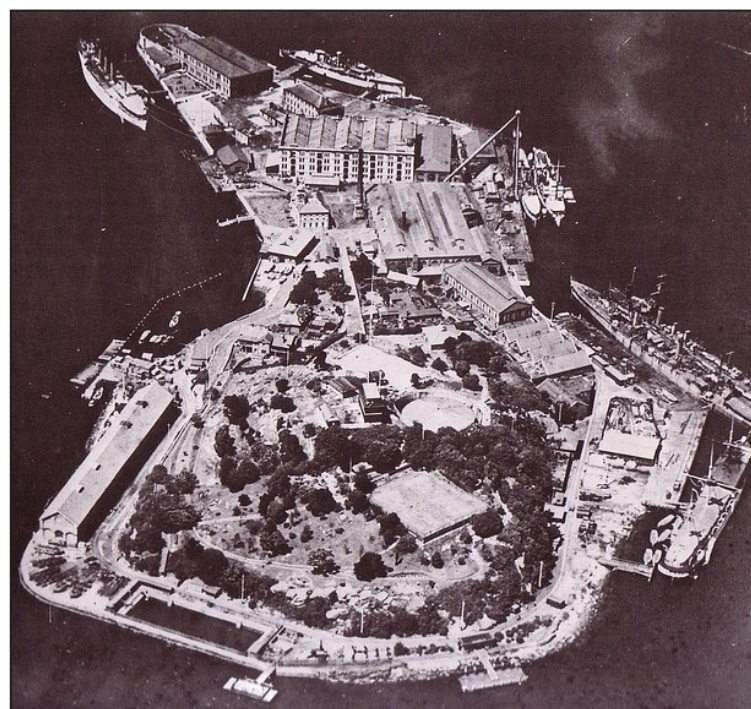
Hammer Head Crane catalyst for landform intervention

Built Form interaction with the ground plane has been condensed to maximise the injection of public interaction.



Section BB

Scale 1:200 @ A1



Garden Island early 1900's



Existing Site



Naval Influence



Proposed Site

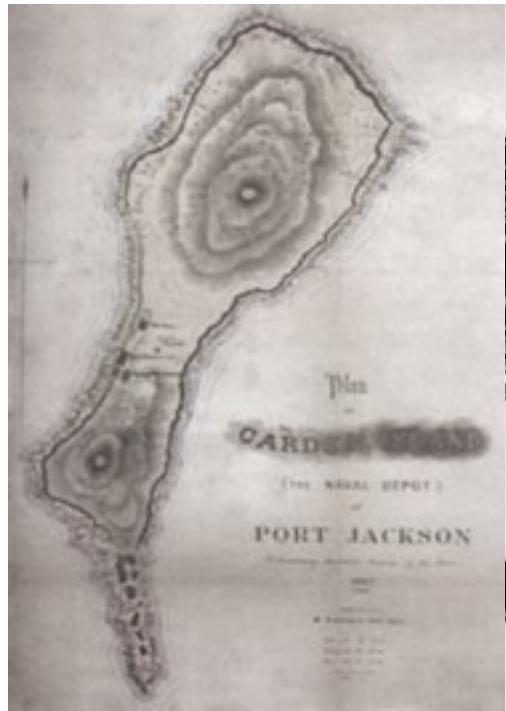
In 2012 the Australian Federal Government proposed a reduction of the Naval Infrastructure currently residing on Garden Island for redeployment in a new Brisbane Naval Facility. The outcome will translate in a sizeable reduction in the Naval influence on the site. The Naval area will be contained to the South-Eastern corner. As a result there is a large expanse of new public open space, which has the potential to re-establish a link between Garden Island to Woolloomooloo Bay.

A big question arises with this new opportunity. What to do with this new Public Space?

With the resurgence of Arts and Cultural events across Sydney, this newly opened parcel of land at Garden Island provides a unique opportunity to localise events. Existing venue space for large scale Arts programmes is limited. Sydney events such as St Jerome's Lane way Festival, Art & About, Biennale of Sydney, Sydney festival, Sydney Fringe, Outpost and Vivid are spread across the city of Sydney. Garden Island has the potential to stage large Arts & Cultural events more permanently and has the majestic backdrop of the world's largest natural harbour to compliment this.

Garden island's historical significance is an attribute to the site. The existing large warehouse's that are found on the site will provide a unique opportunity to facilitate large-scale performances, exhibition spaces, studio spaces and educational Facilities. Garden Island has existing ferry access but no mainland connection. With the re-connection of Garden Island to Woolloomooloo, re-connecting public transport to Garden Island is also a high priority. Establishing Sydney's cycle way network will also be achievable.





Garden Island early 1857



Existing Topography



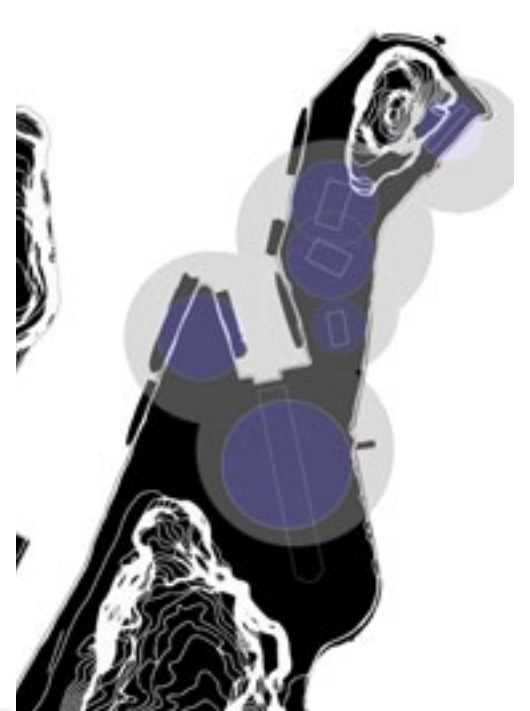
Public Access



Views Out of Site



Views Into Site



Key Built Form

Analysis compiled over the previous and current studio pointed to a number of key findings including;

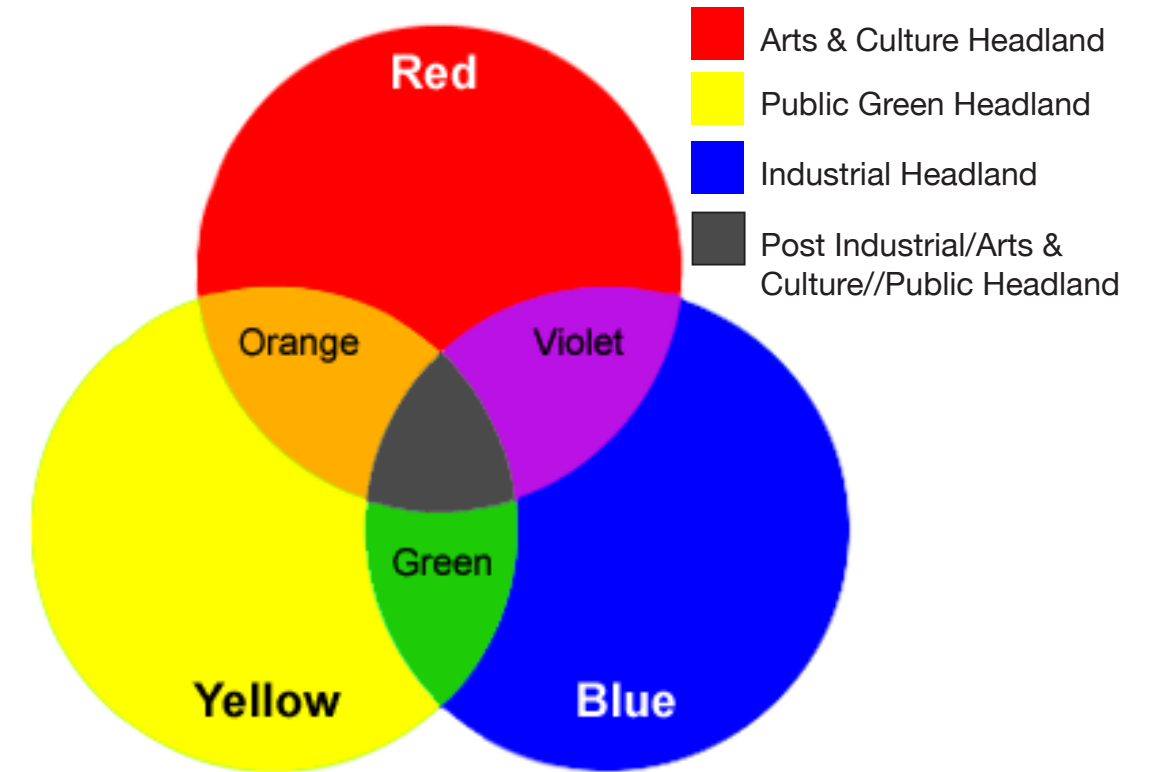
A disconnection of Garden Island from the public domain, and, a heavy Naval and industrial influence.

These findings formed the basis of my key analysis. The key analysis then drove my design process in an attempt to offer up solutions to questions raised by the key findings. Ultimately the design process stage began to become more and more refined and this was aided by a physical model.

This series of diagrams illustrate the disconnection of Garden Island to the Woolloomooloo basin and the city of Sydney most clearly seen in the Naval's restriction to Public Access. Analysis of the existing topography mirrors the Naval impact of the site in that the land form is heavily reduced where the Navy reside. Looking at the Island's location it was clear that the Island was perfectly situated amongst some of the most iconic harbour views and that it has the potential to be one of Sydney's prime tourism locations. I was also able to pin point some of the most significant existing built forms which could potentially be included in any interventions on the site.



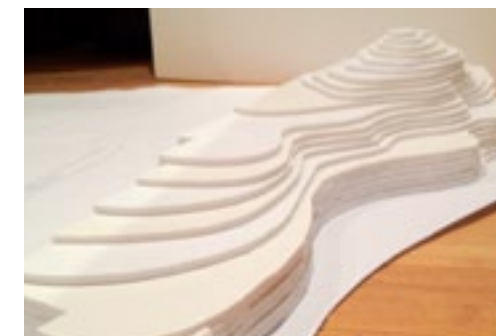
Headland Map

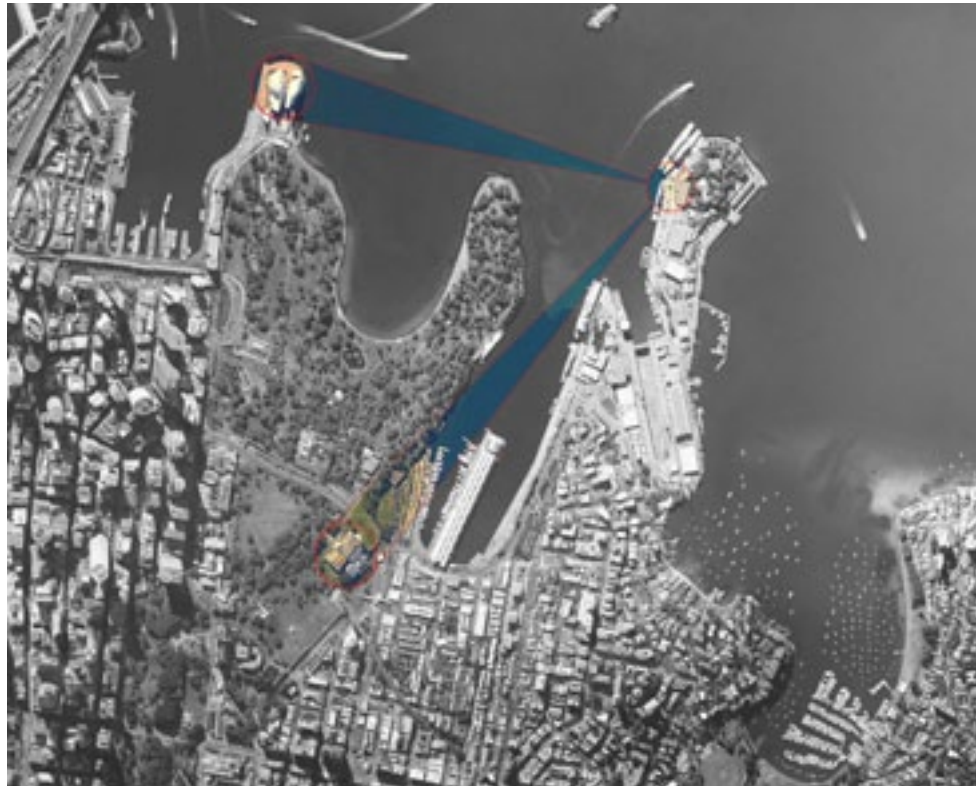


Headland Colour Chart

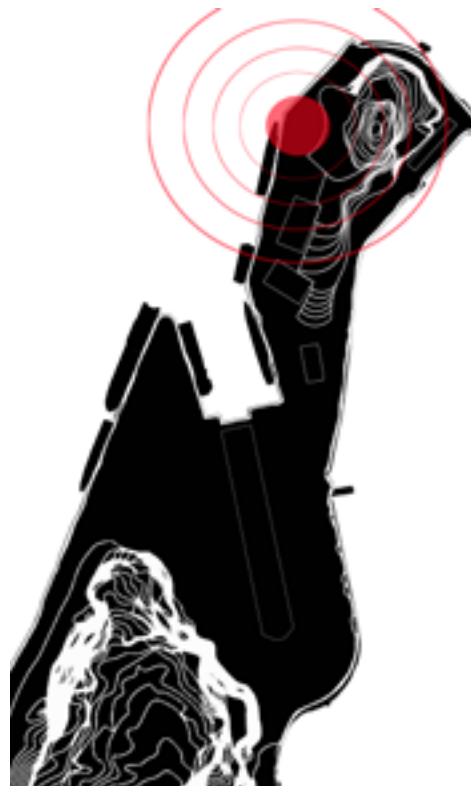
The above image (Headland Map) indicates the headlands surrounding Garden Island and their current use. This information became a key factor in my design process. Each Headland was allocated a primary colour and as depicted in image (Headland Colour Chart) the headlands and the components of each headland have been merged into each other. This merging allows the individual components of each headland to integrate with the components of the other headlands. The dominate components of each blend with the other dominate components while the weaker components fall away.

I wanted to celebrate the strong components of each headland and the new intervention on Garden Island had to reference these components where possible. The iconic Hammer Head Crane would celebrate the industrial history of Garden Island, nature would be re-introduced into the site and would start to impact on the industrial dominance of Garden Island. Finally a new arts & cultural identity would insert itself into Garden Island and bring with it a programming that would inhabit the new spaces created on the site. This would attract the public back to Garden Island and provide it with a new life whilst celebrating the natural environment it resides in.





Neighbouring Art Institutions.



Arts Epicentre location



Art Entity Impacting Landform

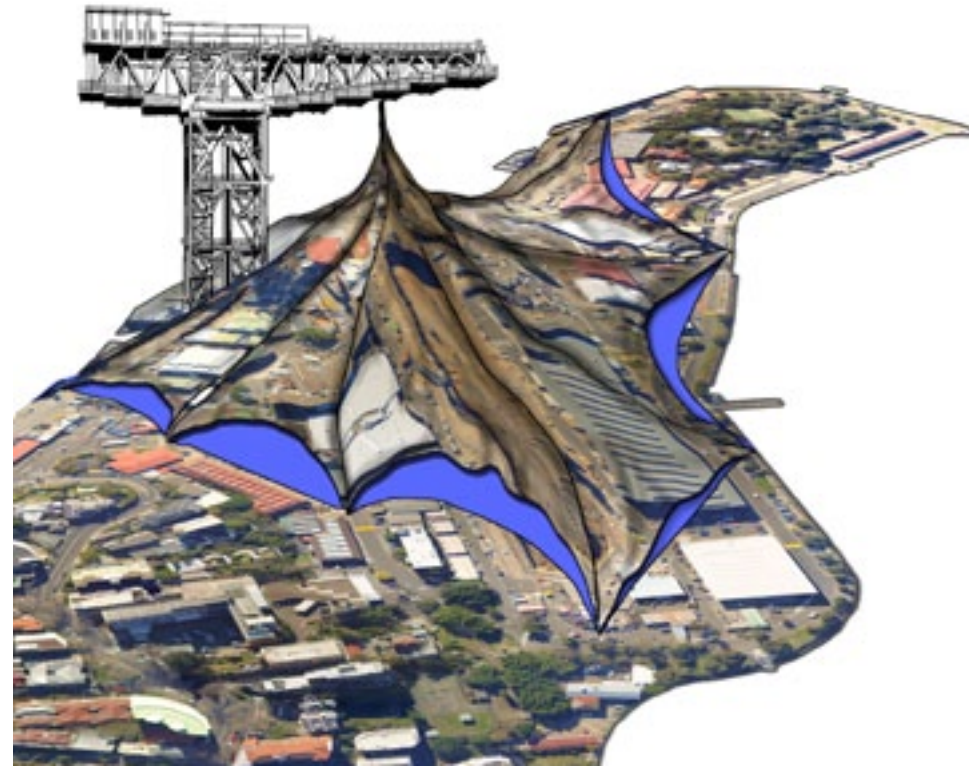
Finding the location for the Arts and cultural epicentre was the next step in the design process. After examining the site at a local scale two connections with two of Sydney's influential Art bodies became apparent. The Sydney Opera house (also the catalyst of the Arts & cultural Headland) and the Art Gallery of NSW have direct visual links to the Eastern section of Garden Island. With this strong link being already established this location would become the epicentre for the Arts and Cultural intervention of my design.

I started thinking of the Arts and cultural intervention as an entity, a new foreign body to Garden Island that has been dropped into the epicentre of the site and it has impacted into the industrial landscape of Garden Island. The resulting impact causes a ripple generating out from the epicentre. The ripple influences the existing landform and produces new landforms across the site. The ripple pulses not only through the landform but also through water creating new interventions as it radiates out from the epicentre. The flat industrial landform of Garden Island has been split, raised and from these splits vegetation starts to populate the void, reclaiming the once industrial dominated landscape. This resurgence of nature reverberates throughout the site, just as the ripples do, and are all caused by the impact of the Arts entity. The arts and cultural influence also radiates out from the epicentre inhabiting the new spaces and occupying the industrial warehouses, in turn injecting a new dynamic arts intervention into the space.

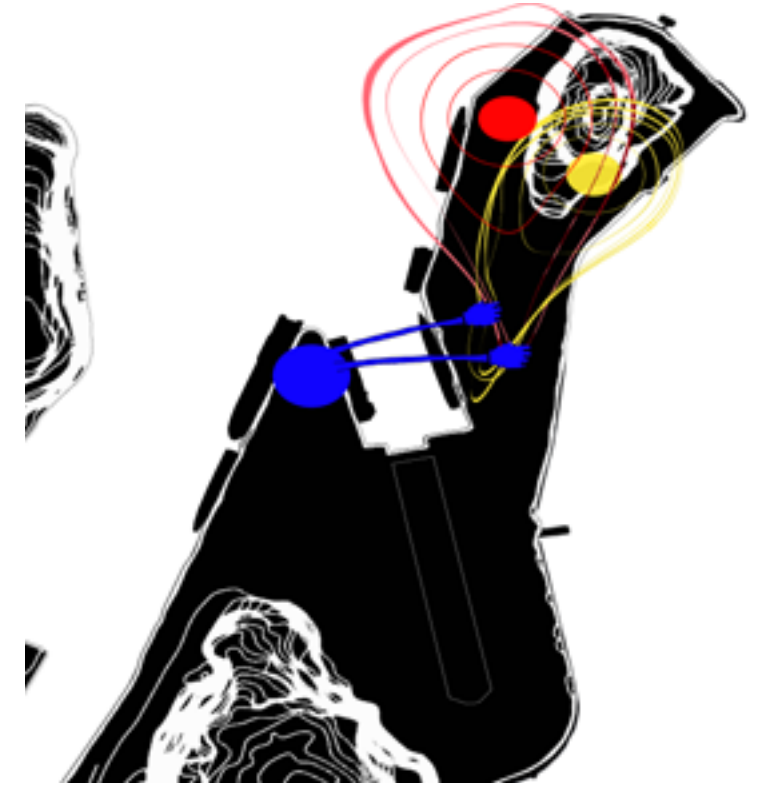




Hammerhead Crane Location



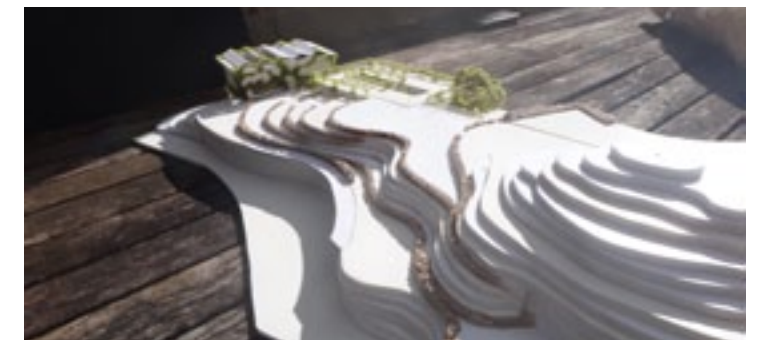
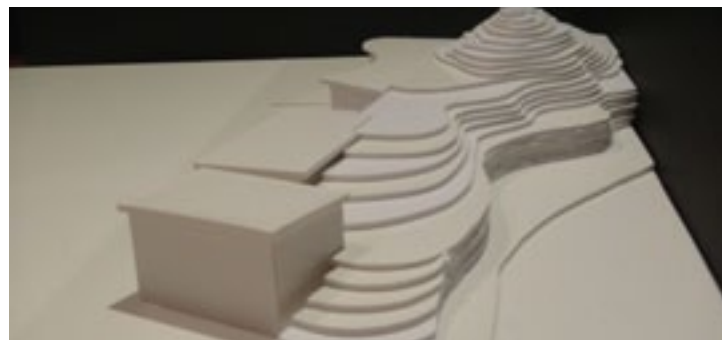
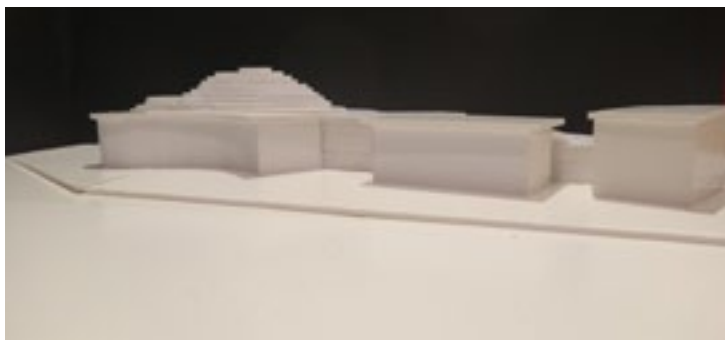
Landform Intervention



Topography Influence

Referencing the sites Industrial past was an integral part of my design process. Similar to the arts epicentre, I looked at the site from a local context in an attempt to identify a historical link to the site. The Hammer Head Crane stands high above the surrounding elements of Garden Island, dominating the skyline it can be seen from all neighbouring areas. The Crane stands as a reminder to the Industrial history of the site.

This became the obvious choice for the location of the second epicentre of my design. Unlike the arts epicentre this entity has existed on Garden Island for over a century. In an attempt to counter the new foreign art entity the Hammer Head epicentre would rise from the industrial landscape, pulled up by the crane itself. The historical entity would pull rather than push as the arts entity does. As the ripple caused by the Arts epicentre pushed up new landform the industrial epicentre essentially pulls on the newly formed landform pulling it towards the Hammer Head Crane. The pushing and pulling of the two entities creates tension within the landform. At locations where the tension is high cracks appear. Due to the industrial epicentre already existing on Garden Island these cracks are deeper resulting in water from the harbour infiltrating the cracks. As the ripple pushed out into the harbour the pulling of the landform by the Hammer Head Crane has allowed the displaced water to occupy the void restoring this balance.

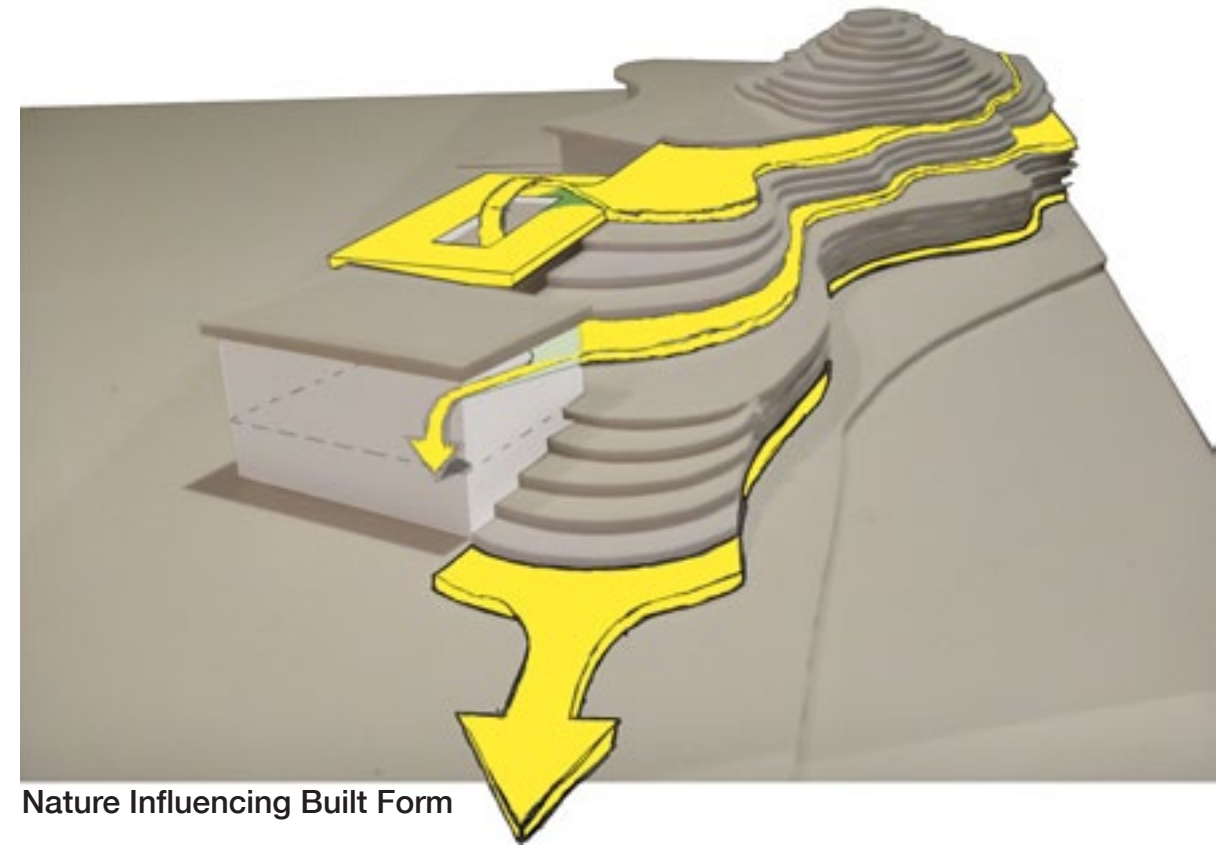




Green Open Space



Existing Vegetation



Nature Influencing Built Form

The final step in my design process was to restore the balance back in favour of the natural landscape over that of the built landscape. Looking at the site and it's local surroundings the built form dominates the landscape. The site itself sits on the worlds largest natural harbour and it has almost no natural landscape. With the two epicentres creating new landform and spaces over the site I wanted to populate these with nature. In the splits formed by the Arts epicentre, vegetation was needed to break up the built dominated landscape. The large expanse of new landform extending South from the Northern tip of Garden Island provided an opportunity to re-establish a natural landscape. The most engaging opportunity comes from integrating the Natural landscape into the industrial remnants of Garden Island, in particular the two large Warehouses that were maintained on site. Along with reprogramming the warehouses as venues for exhibiting and creating Art, these space will be infiltrated by nature providing new dynamic environments to house this Arts program.

My design process has been heavily influenced by re-establishing balance across the site, it is important to remember the past of the site, so in an attempt find a balance between the sites industrial history and the new natural interventions I wanted to split the site. The Eastern side of Garden Island would have strong links to the Natural landscape, with hidden canopy walks re-vegetating with endemic species and providing picturesque viewing areas to the less developed East of Garden island. On the Western side the Natural landform is designed to complement the built form, providing visual links to the built landscape of Sydney.





The Master Plan is the finished product of my key analysis, design methodology and interventions also realised through the use of a physical model.

The Master Plan addresses questions raised by the brief and key analysis.

The two LandArt elements shape my design of Garden Island, through shaping the landform and providing podiums to embrace the visual qualities of the site.

Engaging new dynamic spaces have been created through the interaction of built and natural elements in converted warehouses.

These spaces reference the history of Garden Island inserting key industrial infrastructure with a naturalist approach providing a dynamic new lease of life.

The master plan celebrates the Natural assets of the site through canopy walks and naturalistic settings on the Eastern side of Garden Island.

On the Western side of Garden Island visual links to the city and its iconic landmarks establish a stronger balance between the natural and built forms of Garden Island.

Finally the upgrade and relocation of the ferry network coupled with the introduction of the light rail network will result in an efficient system for connecting Garden Island to the broader public transport network.

LandArt element marking the location of the ARTS epicentre, this element influences all it surrounds. The element itself is a large reflective sphere reflecting the majestic surroundings to the users of the space.

New larger ferry terminal, a centralized ferry terminal has been designed to accommodate larger volumes of public.

The two LandArt elements have created tension with the landform, resulting in splitting in the landform fabric. Water has filled this split creating a series of water features.

Second LandArt element located under the iconic Hammer Head Crane. This elements is being unearthed by the Hammer Head Crane, as a result the ground plane has become cracked and a large rusted element protrudes from the surface.



Master Plan

Scale 1:1000 @ A1

Master Plan Legend

- 1 Level grassed rooftop which provides space for passive recreation, exhibition space and large performance space. Also provides a viewing platform capturing Sydney's iconic vistas.
- 2 Series of ripples that radiate from the ARTS Epicentre. The ripple influences the ground plane as it expands through the site and then continues into the harbour itself also providing marine habitat.
- 3 Permanent stage infrastructure allowing for large scale entertainment performances.
- 4 Existing cranes used to accommodate large movie screens or art panels for various art driven events.
- 5 Large existing warehouse has been transformed to create a multipurpose exhibition/performance and studio space, whilst also housing a large atrium. The rooftop also provides extensive views to the city and Sydney's iconic landmarks.
- 6 Large existing warehouse has been transformed creating a large multipurpose space. The space holds educational facilities, working studios, cafe/retail space and commercial office space. A large atrium exhibition space is also housed in the warehouse.
- 7 Large stage to accommodate large scale performance, the stage also leads to an elevated view platform which showcases the relationship between the two LandArt elements.
- 8 Levelled grass area connects to a hidden garden on the Eastern side of the Island providing extensive views to the East.
- 9 Existing Maritime museum has been retained.
- 10 Hidden canopy walk allows the public to discover the more naturalistic Eastern side of Garden Island. This walkway will have extensive botanical labels providing an educational element to the vegetation used on Garden Island.
- 11 Elevated walkways link the two re-designed warehouses. The walkways are covered in vegetation adding to the Natural impact on the built form.
- 12 Hospitality areas located outside the newly converted warehouses. The Eastern section will provide restaurants and cafe facilities while the Western level will provide a bar/cafe service.
- 13 The Grand tiered steps lead to the parklands situated on Garden Island. The design of these steps aims to restrict views leading up to the open spaces, in an attempt to allow a sense of discovery to the public.
- 14 The third existing warehouse becomes the new light rail stop providing another critical transport connection to Garden Island. This connection in conjunction to the ferry terminal at the West of the site will make it possible to move large numbers of people. The warehouse will also provide an opportunity for a permanent hotel on the site.



Land Art Focal Points:

Are situated on the North West and South West corners of the site. These points will be directly visible from the other and cause a general push and pull tension throughout the site.

The Hammer Head Crane in the Southern corner is part of a major sculptural piece which references the historical/industrial past of the Island. The Crane will sit beside a viewing platform and will pull from the earth a rusted jagged mound creating cracks further along the ground plane toward the second Northern intervention.

The second Land Art focal point on the Northern tip is a reflective ball dropped onto the site. This sculptural piece embodies the Art's/cultural programming new to the site and causes a series of ripples on both land and sea.



The Writer, Hampstead Heath

The Giant Peg, Belgium

Hidden Garden:

Two hidden gardens on the Eastern side of the Island are accessed by first walking through a canopy walkway following and leading to gardens that will not be seen from the large tiered staircase leading to the peak of the Island.

This area will give visitors a sense of discovery and will not be immediately visible to the public. This area will also feel quiet different to the Western side of the island and will be a much quieter, private space.

■ Hidden Canopy Walkway:

A hidden canopy walkway on the Eastern side of the Island will offer occasional views East of the island and give visitors a unique walking experiences at an elevated level to plantings. The canopy walkway will not be immediately visible from the tiered stairs and visitors will need to discover this on route to a more tranquil and quiet side of the Island.



Kew Gardens, England

■ Mixed Use/Large Scale Performance Space/Exhibition Space:

Varied space on the Western, Northern, Central and Southern side of the Island will allow for large or small Performance, Exhibition and Mixed use space. These areas will have the capacity to stage screenings with the audience facing harbour views. Cranes will hold film projections and or Art/exhibition banners. A permanent stage sits between the Land Art Art's focal point and the most Northern Building. Visitors will face the sandstone retaining wall which will allow dynamic back drops to each performance. Semi and permanent art Installations can also be scattered throughout these areas so that visitors can stroll along the water front between viewing art works. Sydney Vivid festival would be an event for this new location



Illuminated Shipping Container Wall, Brazil

Federation Square, Melbourne

■ Cafe/Retail Space:

Between re developed buildings on the ground level and at the entrance to the 2nd floor of the most Southern building are retail and cafe areas where the most heavy concentration of visitors to the educational, administration and artist residencies will be. These areas will be heavily naturalised and surround key land art interventions including the Tendril garden and furniture, Water feature and beneath the vegetated walkway between the two warehouse buildings.



Mixed Use/Performance Space/Passive Recreation/Exhibition Space:

Internal stages, roof top exhibition ad performance space as well as viewing areas and recreational use will be available within and above a new building at the forefront of the Art's LandArt focal point and the most Northern retained warehouse building. These spaces will provide dynamic back drops for artistic installations accommodating to a large numbers of people.



Carriage Works, Sydney



Passive Recreation:

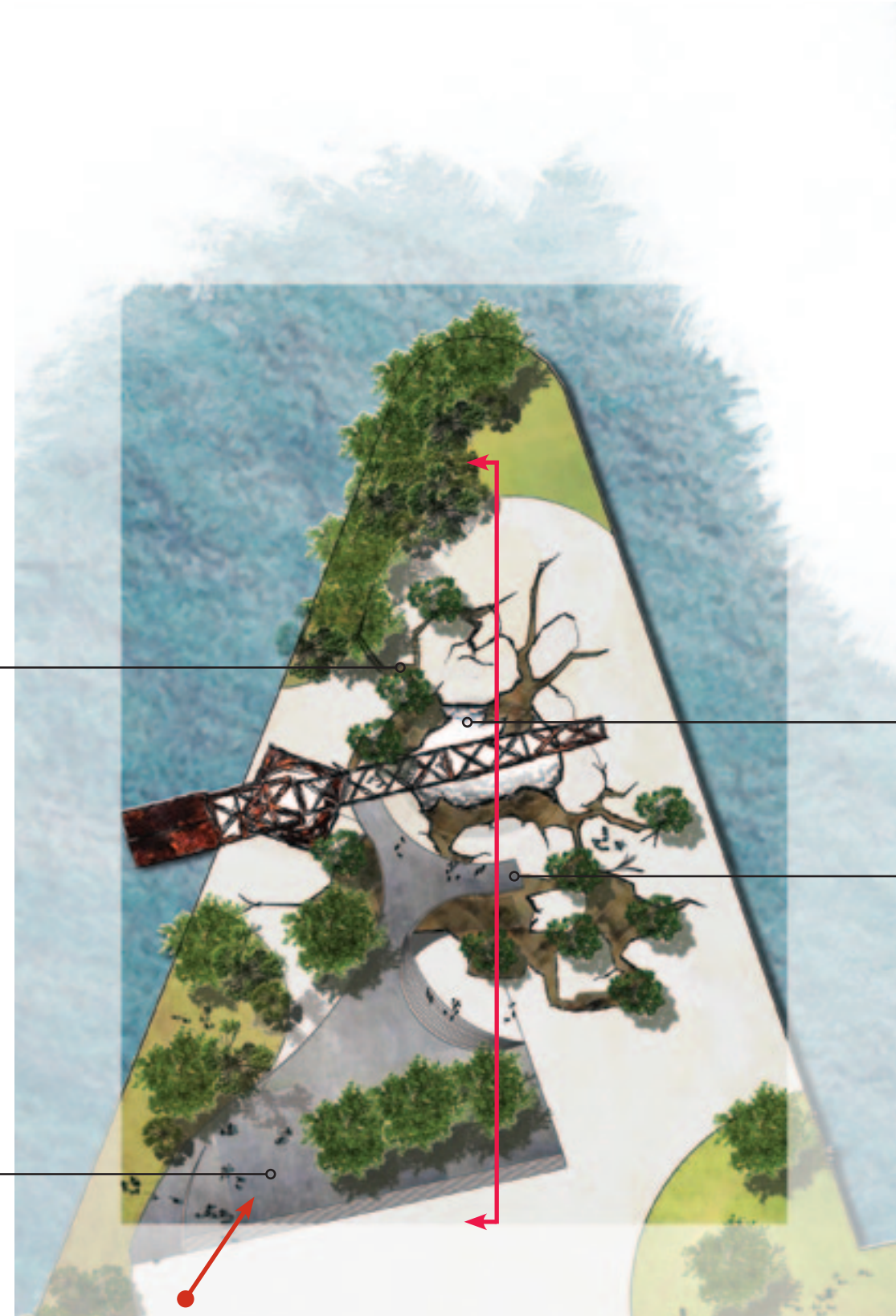
Large expanses of passive recreation areas over the Eastern, North, Central and Southern areas. These areas will allow visitors to enjoy flatter topography for sports, exercise, picnics and gentle strolling.



Sections 06

Splits in the landform provide areas for vegetation to establish and restore a balance to the landform.

Large stage



Hammer Head Point Section

Large LandArt element is being pulled up from the historical fabric of the site. The element shapes the surrounding landform.

Elevated viewing platform



Hammer Head Point Section

Scale 1:200 @ A1

- 1 Large stage provides access to viewing platform that links the two LandArt locations. Area will accommodate large performances.
- 2 Large planter allows for large planting's to inhabit the stage, providing shade and softening the impact of the stage on the surrounding landscape.
- 3 Curved steps lead up to the elevated viewing platform.
- 4 The iconic Hammer Head Crane is the showcase piece for the historical significance of the site. It also informs the landform surrounding it.
- 5 Elevated viewing platform links the two LandArt locations. Information will be displayed explaining how the two entities have shaped the design process of the site.
- 6 Large LandArt element is being pulled up from the historical fabric of the site. This element is old and rusty as it has been unearthed from the site.



Hammer Head Point Perspective

Scale 1:200 @ A1

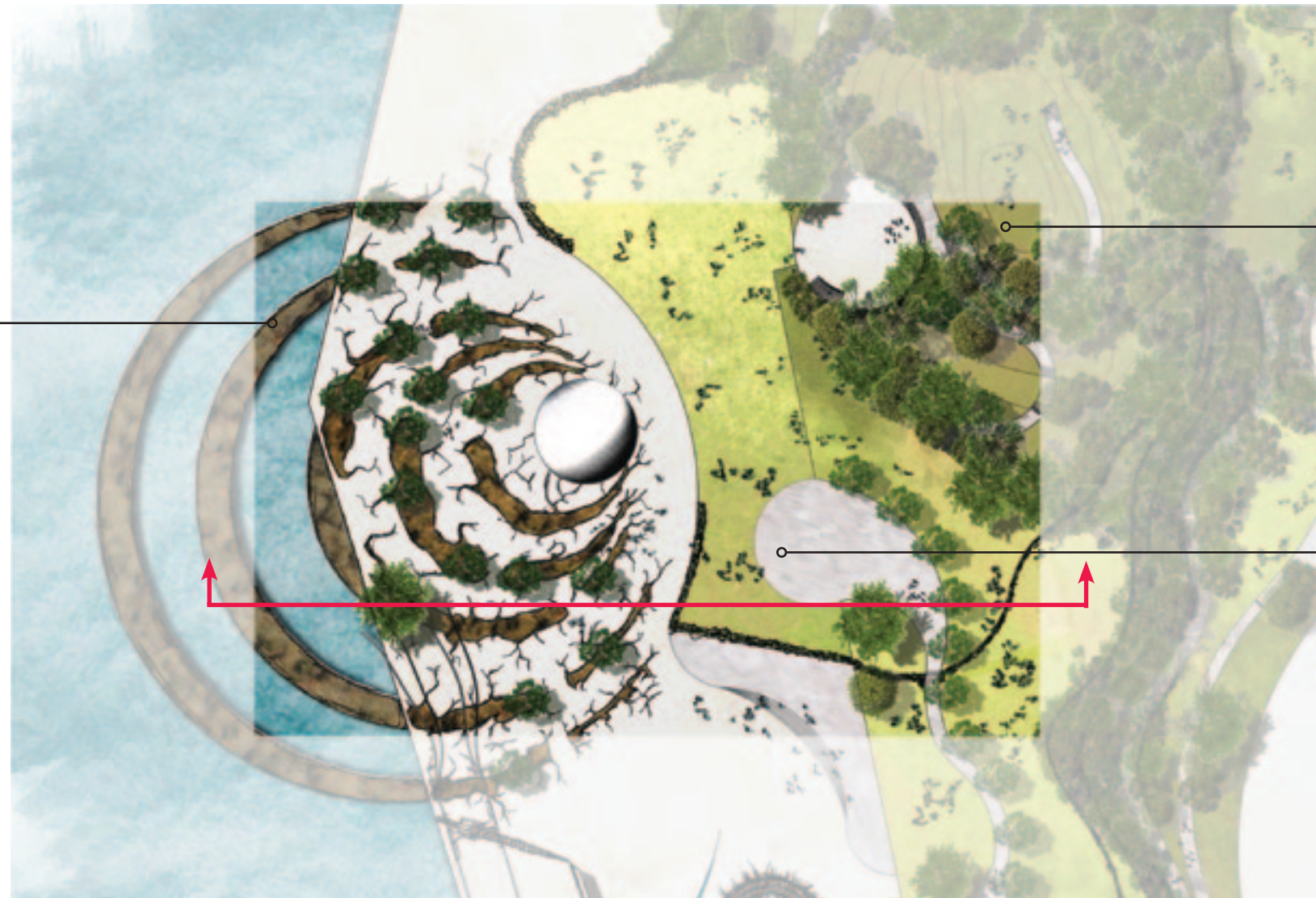
- 1 Large stage provides access to viewing platform that links the two LandArt locations. Area will accommodate large performances.
- 2 Large planter allows for large planting's to inhabit the stage, providing shade and softening the impact of the stage on the surrounding landscape.
- 3 The iconic Hammer Head Crane is the showcase piece for the historical significance of the site. It also informs the landform surrounding it.
- 4 Elevated viewing platform links the two LandArt locations. Information will be displayed explaining how the two entities have shaped the design process of the site.
- 5 Large LandArt element is being pulled up from the historical fabric of the site. This element is old and rusty as it has been unearthed from the site.



Post Industrial Film Night

- ① Existing industrial infrastructure re-used to provide Arts & Cultural programmed events such as the Film Night.
- ② City Skyline provides the backdrop for such events as depicted above.

Series of pontoons that represent the rippling effect caused by the LandArt sculpture. The pontoons are anchored to a pylon allowing the motion of the water to give the ripple a fluid motion adding to the ripple effect. The pontoons will also allow for marine vegetation to establish and in hand provide habitat for fish species.



The peak of Garden Island provides spectacular framed 360 degree views of Sydney harbour.

Grassed rooftop area extends the usable space of Garden Island and also provides extensive views to iconic Sydney landmarks. The space is multifunctional allowing for large gatherings of people for events whilst also accommodating for exhibition and passive recreational spaces.

Arts Epicentre Plan



Art Epicentre Section

Scale 1" = 10'

- ① Ripple effect caused by the LandArt sculpture (representing the new ART's program for the site) impacting into the site and influencing the landform that it inhabits. The ripples that occur on land provide areas of vegetation. These spaces are planted out with sculptural plantings and help in softening the harsh post industrial ground plane.
- ② Large reflective sphere (representing the new ART's program for the site) has impacted into the site. The sphere is a new reflective element that is a catalyst for the rippling of the land form. The sphere will give a unique visual experience to every visitor that will be impossible to replicate.
- ③ This new building has been cut back into Garden Islands topography and the resulting sandstone is a key material used in the construction of the building. The grassed rooftop also contributes to the effect of Garden Island birthing this new building. The building itself has Multi- functional space with large scale entertainment performances taking place at this venue.





Hammer Head Point Section

Scale 1:200 @ A1

- ① The Permanent large stage will host a number of different events on Garden Island. Large scale rock concerts as depicted above will attract large number of the public to the site to enjoy Arts & Cultural events providing a new life for Garden Island.

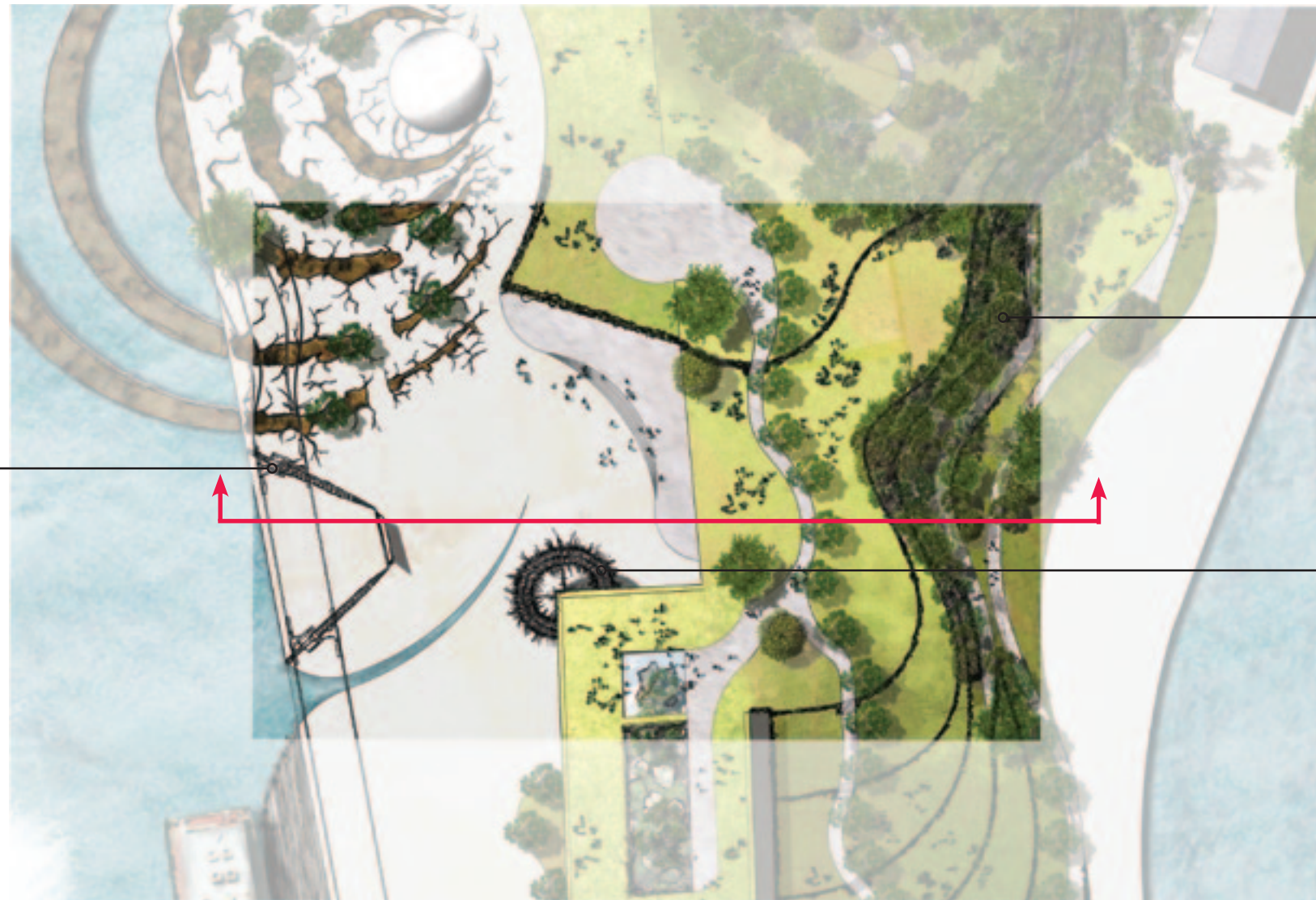


Hammer Head Point Section

Scale 1:100 @ A1

- ① Ripple effect caused by the LandArt sculpture (representing the new ART's program for the site) impacting into the site and influencing the landform that it inhabits. The ripples that occur on land provide areas of vegetation. These spaces are planted out with sculptural plantings and help in softening the harsh post industrial ground plane.
- ② Large reflective sphere (representing the new ART's program for the site) has impacted into the site. The sphere is a new reflective element that is a catalyst for the rippling of the land form. The sphere will give a unique visual experience to every visitor that will be impossible to replicate.
- ③ This new building has been cut back into Garden Islands topography and the resulting sandstone is a key material used in the construction of the building. The grassed rooftop also contributes to the effect of Garden Island birthing this new building. The building itself has Multi- functional space with large scale entertainment performances taking place at this venue.

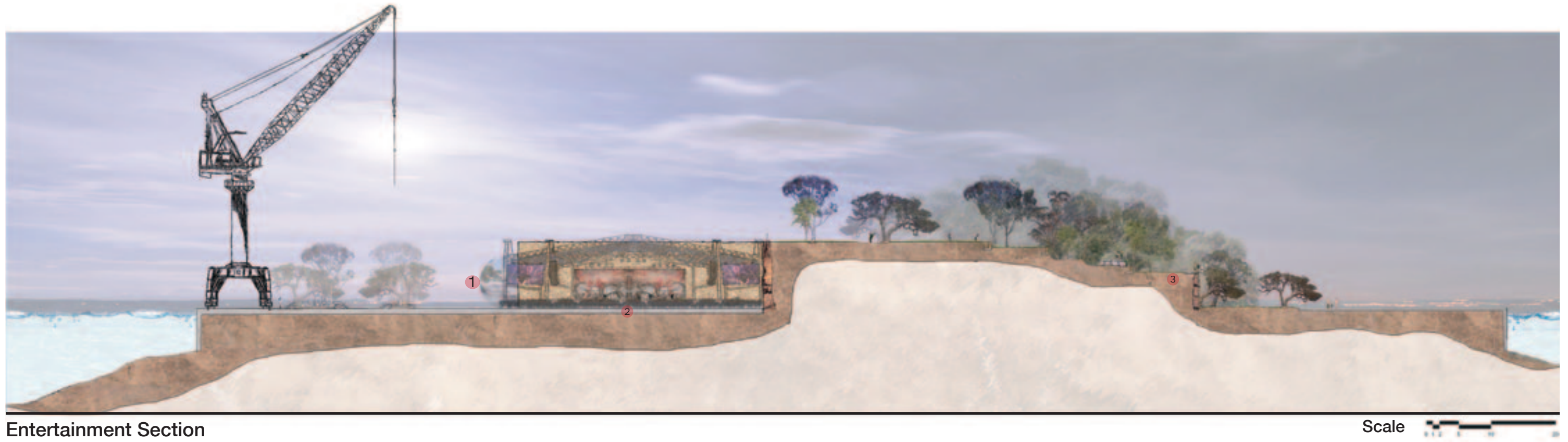
The existing cranes have been retained and become key components in the design of Garden Island. The cranes manoeuvre large panels of art, become integral lighting structures and can be used to construct large scale screens for movie events.



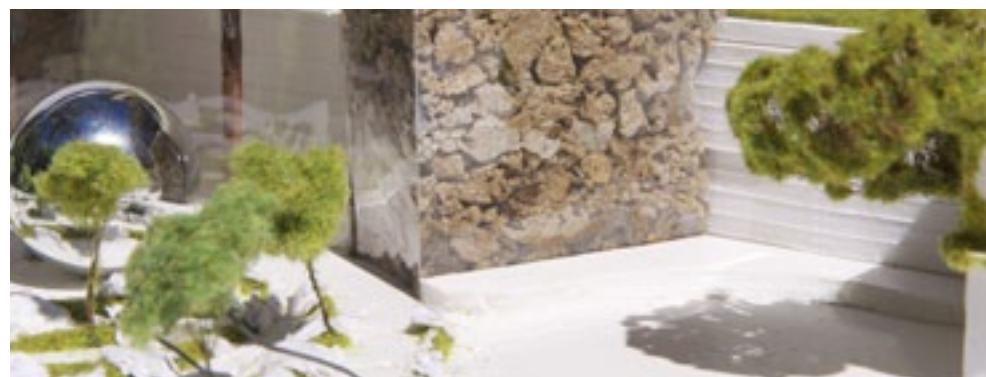
The canopy walk is awaiting discovery on the Eastern side of Garden Island. This hidden component of the Garden Island design showcases a Naturalist landscape.

Vegetated walkway links the roof top area with the first floor of the converted warehouse.

Entertainment Quarter Plan

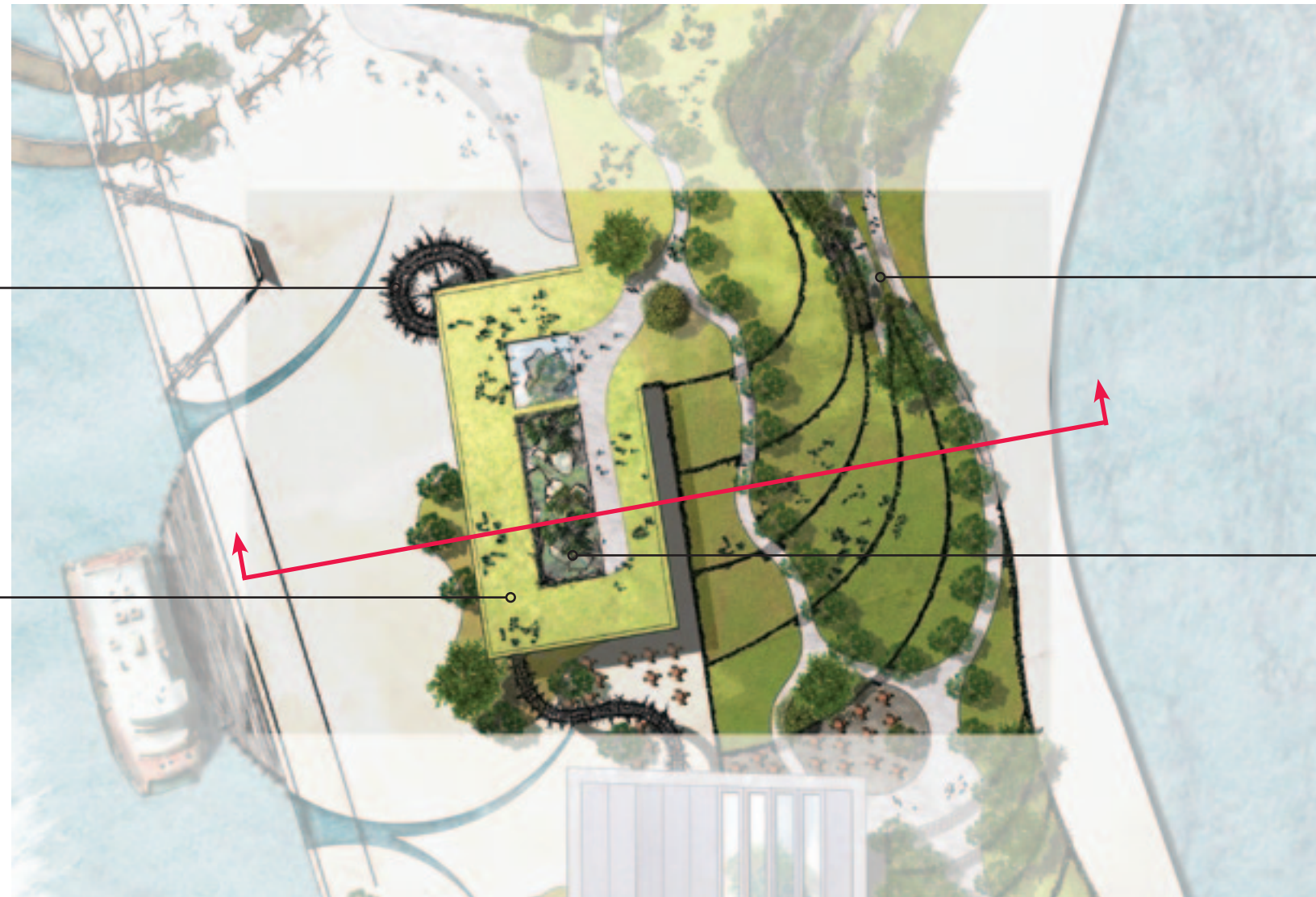


- ① The large reflective sculpture that represents the ART's program of Garden Island. At night the sculpture will be at peak effectiveness as it will reflect the lights of the city around the site of Garden Island.
- ② The large scale permanent stage will become the foundation for large scale music and entertainment events at Garden Island. The large sandstone wall will become the backdrop for the stage and different projections will give each show a unique experience to the public.
- ③ One of the level grassed areas that are linked to a canopy walkway system. This hidden area allows for spectacular framed views to the East of Garden Island.



Vegetated walkway that links the rooftop garden to the exhibition space on the 1st floor of the converted warehouse. The walkway will give a unique experience as you pass through the suspended walkway to reach your destination. The walkways link both buildings providing a unique experience as you pass from one warehouse to the other.

Grassed rooftop areas provide space for events and passive recreation whilst also providing extensive views of the city. This space also connects the topography and links nature with the built form.



The Eastern walkway system links two levelled grassed areas that can be used as picnic areas or passive recreational space. This hidden area allows for spectacular framed views to the East of Garden Island.

A large atrium is located in the centre of the converted warehouse allowing for a unique arts exhibition experience. The space will host a large number of art works from street art, sculpture, installations, performance art and music events.

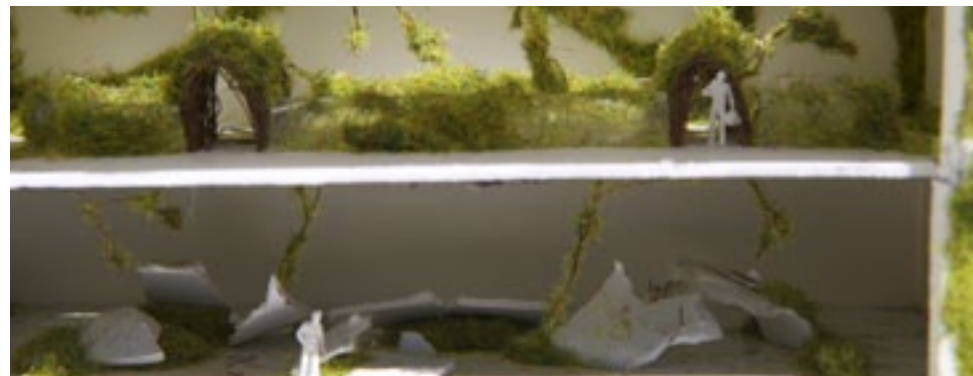
Rooftop & Exhibition Plan



Rooftop & Exhibition Section

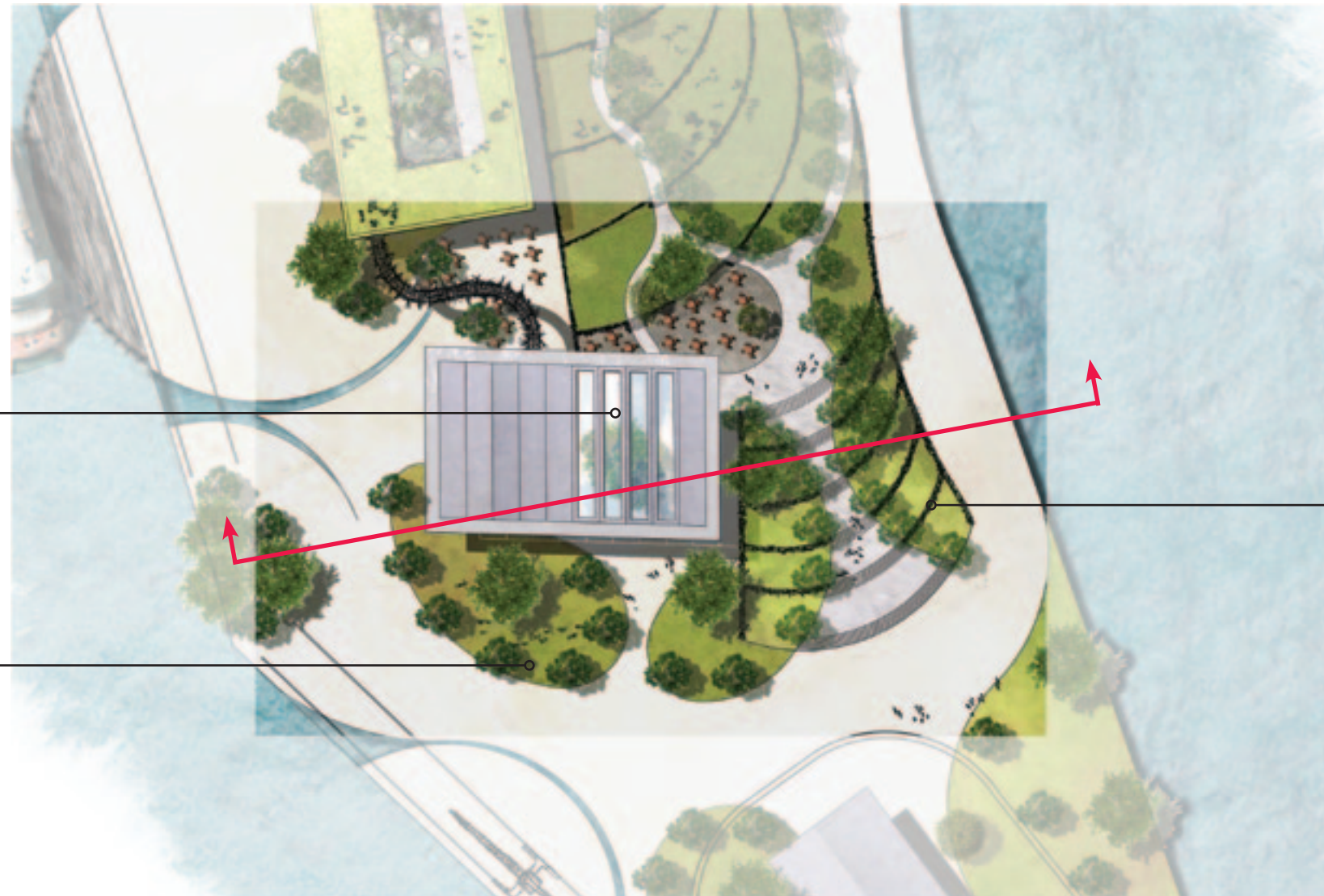
Scale 0 1 2 5 10 20m

- ① The existing cranes have been retained and become key components in the design of Garden Island. The cranes manoeuvre large panels of art, become integral lighting structures and can be used to construct large scale screens for movie events.
- ② A vegetated walkway links each side of the first floor of the large converted exhibition space. The walkways are suspended above the atrium and vegetated with various ferns and epiphytes. There are two walkways one a 'wet' walkway (open to the elements) the other a 'dry' walkway (sheltered from the elements).
- ③ Artist studios will occupy the bottom floor of the converted warehouse. These spaces will house different artists allocated studios for a set time. In that time the artist will produce works that will be exhibited throughout Garden Island. The public will be able to view the production of these work and potentially influence the artists work.
- ④ The space between the converted warehouse and the large sandstone retaining walls create an alleyway that connects behind the linked warehouses. This space will accommodate art pieces and also be able to accommodate stalls for events.



A large atrium is located in the centre of the converted warehouse allowing for a unique arts exhibition experience. The space will host a large number of art works from street art, sculpture, installation, performance art and music events.

The large expanse of post industrial landform will be broken up by pockets of vegetation. The vegetation will have sculptural and tough Native species inhabiting the spaces.



Tiered level of garden spaces lead up to the peak of Garden Island. Along the way the public can explore hidden walkway systems linking the Eastern side of the Island. While on the Western side a number of post industrial spaces and views are accessible.

Education and Retail Plan



Education and Retail Section

Scale

- The converted warehouse provides a number of different programs. The ground floor will have a number of retail and hospitality driven services. The second and third floors will house
- ① Educational programming; these spaces will accommodate tertiary level art students. The top floor will accommodate administration offices which will be used for the day to day running of the Garden Island site. The Eastern section of the ground floor will house studio spaces for resident artists in a similar role as the other converted warehouse.
 - ② The space between the converted warehouse and the large sandstone retaining walls create an alleyway that connects behind the linked warehouses. This space will accommodate art pieces and will also be able to accommodate stalls for events.
 - ③ Extensive views of the Eastern side of Garden Island are present from the level post industrial area of Garden Island. The public will also have a strong connection to the harbour along this section of the site.



A steep ravine has been designed to allow extensive planting of native species in an attempt to restore the natural conditions of the site.



The level areas to the East are linked by a subtle pathway network which allow users to discover hidden areas with naturalist view to the East.

Canopy Walk And Hidden Garden Plan



Canopy Walk Section



Subtle entrance to nature walk that links the hidden gardens of the Eastern side of Garden island.



Elevated canopy walk allows users to traverse through a recreated natural gully, giving them an experience of discovery when they emerge into hidden gardens.



One of the hidden gardens accessible by the canopy walkway system. A viewing platform is located to celebrate the Eastern views.



Detailed Model



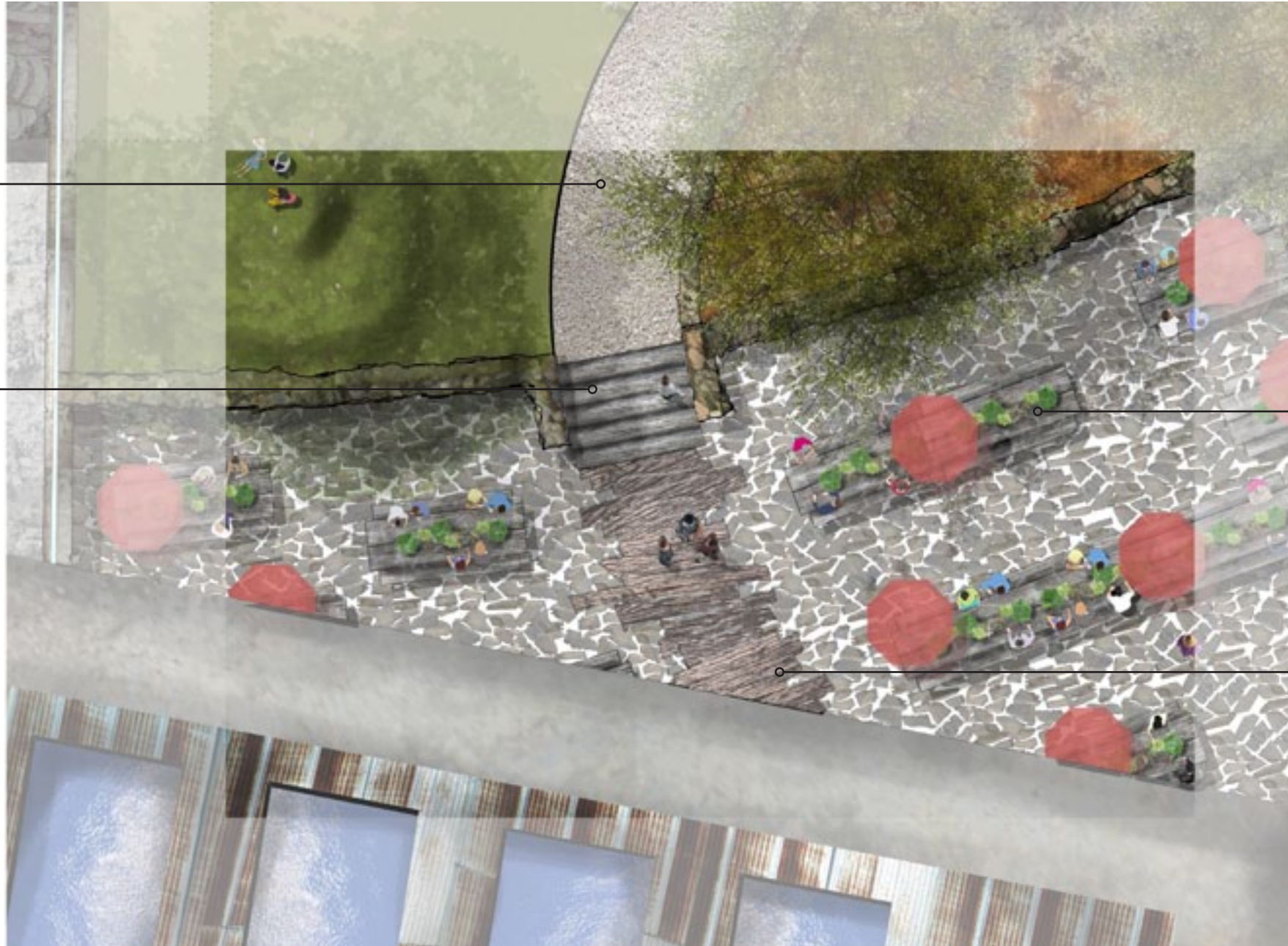
Detailed Master Plan 07

Garden Island Detailed Master Plan



Scale 1:100@ A1

- ① Large Tendril element provides the foundation of a series of vegetated furniture, this will accommodate groups of people using facilities in this area. See Construction Detail.
- ② Hidden in the Retaining wall system are a series of spaces that will house permanent and semi-permanent stalls, food vendors, retail vendors and bars. See Construction Detail.
- ③ The Splash Water Feature. See Construction Detail.



Crushed sandstone pathways
provide difference in texture
and sound between materials.

Re-claimed hardwood timber
steps lead up to the tiered
spaces.

Large Re-claimed Hardwood
timber benches.

Re-claimed hardwood timber
set into paving defines
pathways.

Cafe/Bar Area.



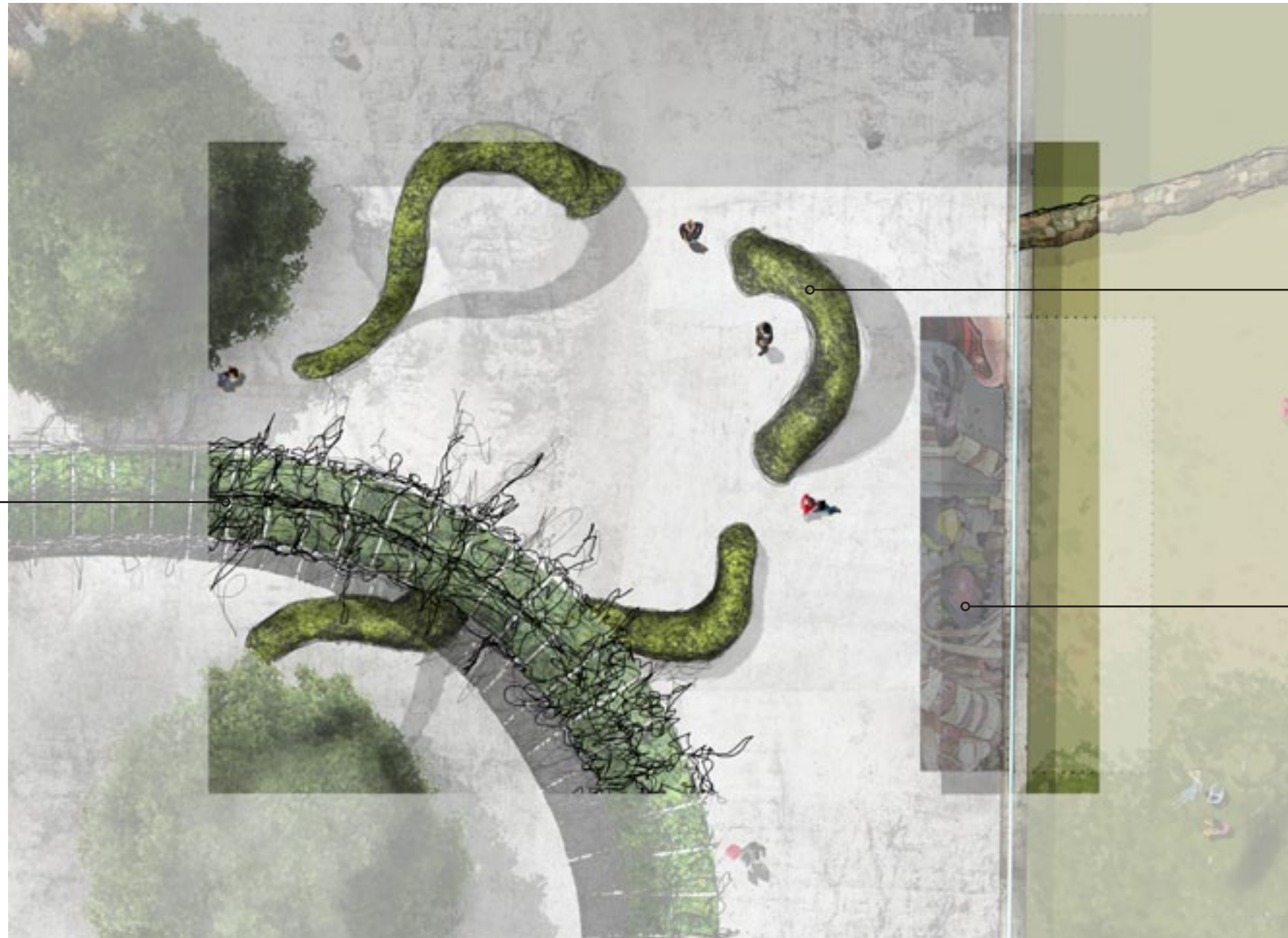
Crushed sandstone pathway leading Northwards.



Re-claimed hardwood timber stairs allow users to access the level changes.



Dry stack sandstone retaining wall sourced from local sandstone.



Elevated walkway linking the two converted walkways.

See construction detail
Tendril Construction Detail.

See construction detail
Retaining wall Construction Detail.

The Tendril Plaza Plan



Alleyway behind Warehouse with stalls occupying unused space within the retaining wall.

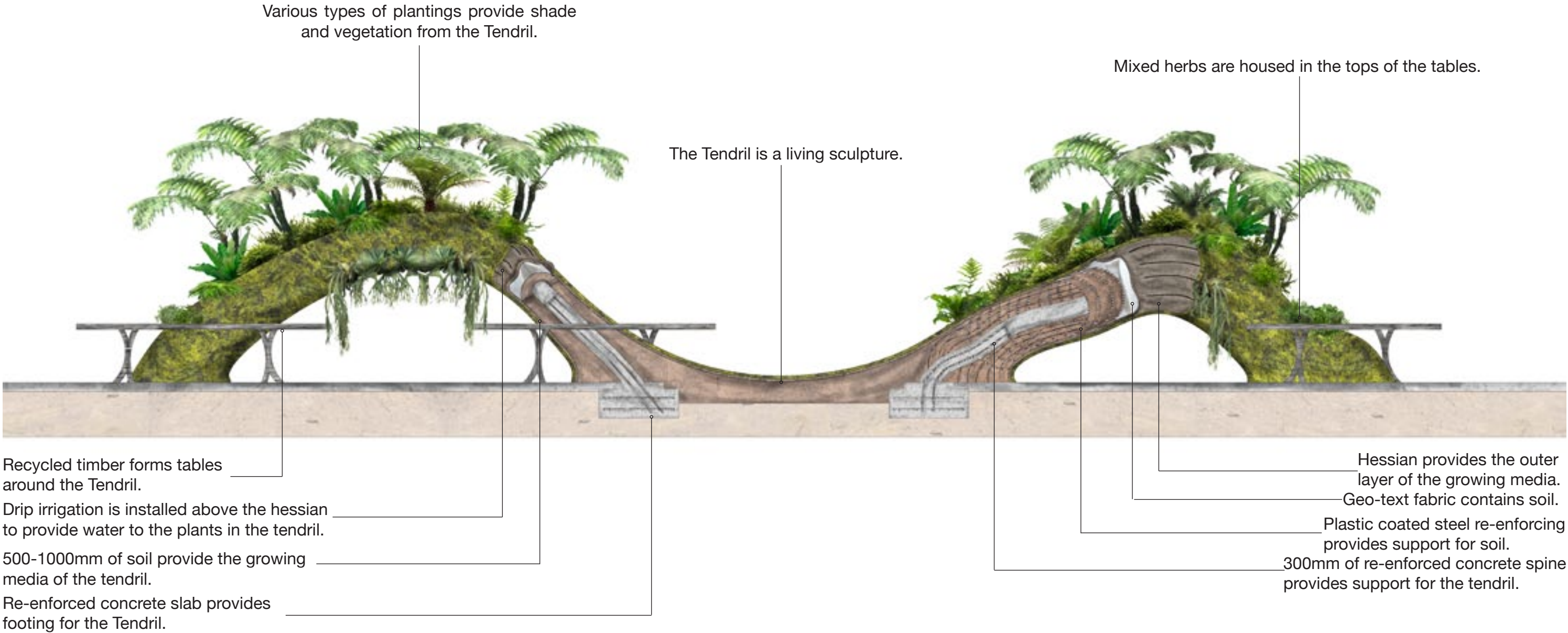


Relationship between the tendril elements and the surrounding landscape.



Interaction between entrance to the second warehouse and the plaza.

Tendril Construction Detail



Tendrill Table Construction Detail

Organic shape cut into the recycled timber table top. This space houses mixed herbs.



Existing counter sunk holes provide spaces for lighting or tea light candles.

40x200mm by various lengths of recycled timber allow for tables to come in a series of lengths.

40x200x1000mm recycled hardwood timber form the supports of the table.



90x150x700 recycled timber supports table top and planter. The timber is housed by saddles cut into the legs.

A selection of mixed herbs, provide garnish to meals.



100mm depth of Soil housed inside planter.



40x150mm by various lengths of recycled timber provide the frame of the planter.

Marine Ply forms the base of the planter.



50x190x390mm concrete besser block capping stone.

Vegetation supported by wire covers fixed to the besser block retaining wall.

Hinged timber door provides shelter whilst adding security to bar area.

90x90mm hardwood timber post supports hinged timber door.

12mm reinforcing steel is laid on every second course. 300mm minimum overlap required.

Galvanised post strip to support timber post.

Re-enforced concrete slab provides the foundations for the core filled besser block retaining wall.

1200mm glass sheeted barrier provides safety whilst allowing views.

Crushed glass drainage behind concrete besser block retaining wall.

Water proofing membrane applied to the besser block retaining wall secondary geo text fabric also to be installed.

Expansion joint located periodically along wall.

150mm socked Ag-drain to provide drainage for retaining wall.

Steel re-enforcing mesh layer within concrete slab.

16mm steel re-enforcing bars 400mm apart.

Retaining Wall Construction Detail: Profile

Rusty steel finish post, finished with recycled timber handrail.

Stainless steel fixture support glass sheets.

190x190x390 besser block retaining wall, re-enforced with steel and core filled with concrete.

Suspended re-enforced concrete slab acts as roof for proposed bar.

Cement render covers besser block retaining wall. Render will have water proofing membrane added to provide a water tight retaining wall.

12mm frosted glass, allows views whilst also providing a barrier.

Street art is applied over the cement render. New layers of art are applied on top of the street art creating layers.

16mm re-enforcing steel uprights are placed at 400mm intervals.

Recycled timber forms the bar that occupies the alcove created within the retaining wall.



Retaining Wall Construction Detail: Front View



Reclaimed hardwood timber defines edge between the different materials.

See *Splash Construction Detail*

The Splash Plan



Interface between the different materials used throughout the site.



Relations between the elevated elements and the ground plane.



Crossing of the *Splash* water feature.

Rusty metal walkway provides access over the water feature.

Stainless steel angle provides support for metal walkways.

Aquatic lights provide lighting effects during night.

Sensor is fixed to walkway, the sensor detects the intensity of changes in water level and movement setting jets of water off to mimic the motion of the harbour.

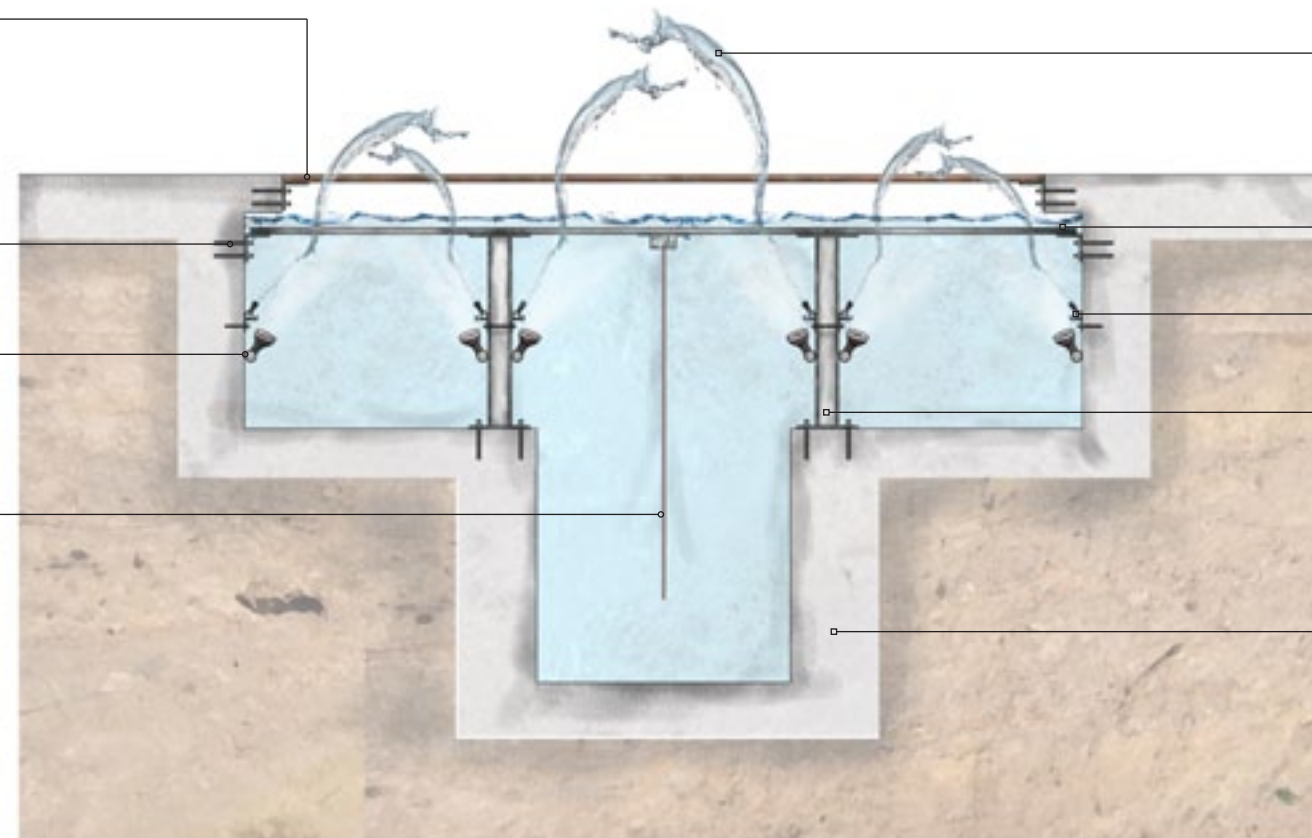
Jets of water occur when sensors relay information regarding the motion of the harbour.

Stainless steel walkway is submerged below water level providing water safety whilst allowing for interaction with water.

Jets of water are controlled by sensor.

Galvanised steel supports the submerged stainless steel walkway.

Water proofed re-enforced concrete slab provides the foundations for the water feature.




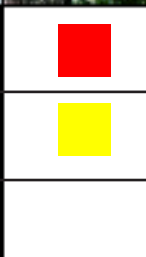




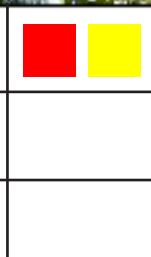





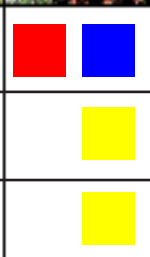








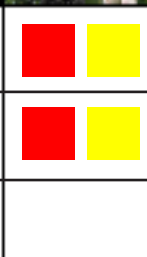







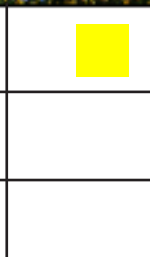




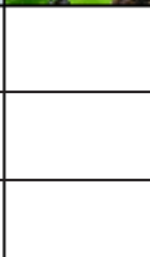



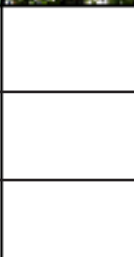

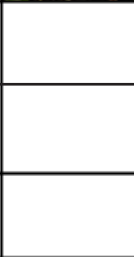


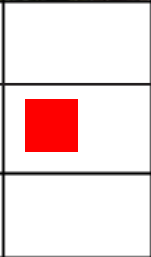

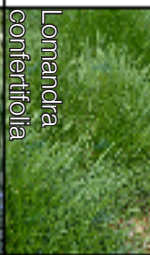
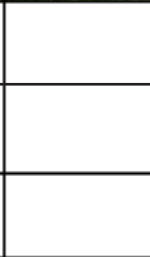



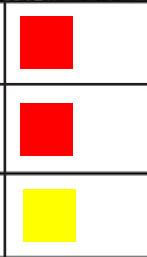





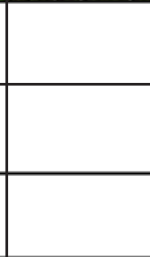


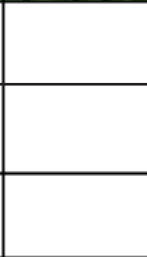

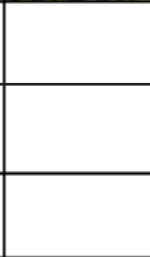

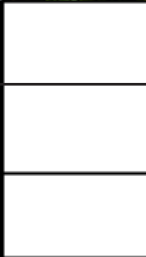
Splash Construction Detail

Planting Palate




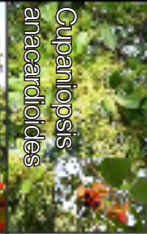




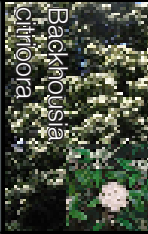

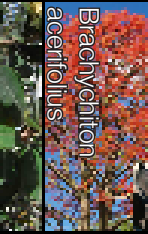
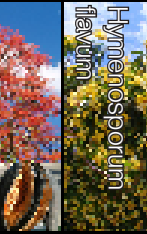
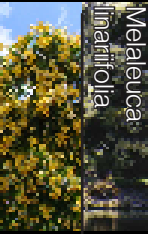
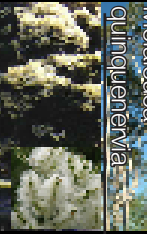
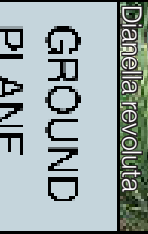















































Planting Location Map



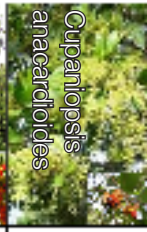





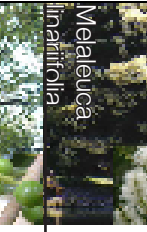

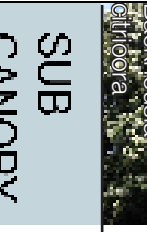
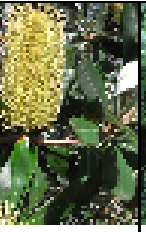





































Atrium Planting Palette

CANOPY		Summer	Autumn	Winter	Spring
					
		 			 
		 			  
		 	 		 
					 
SUB CANOPY					
					
					
					
SUB CANOPY		Summer	Autumn	Winter	Spring
					
					
					 
					
					
					
					
GROUND PLANE					
					

Garden Island Planting Palette

CANOPY									SUB CANOPY							GROUND PLANE		
	Summer		 							 		 		 	 			
	Autumn										 							
	Winter					 					 							
	Spring										 		 					





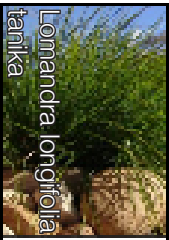


Canopy Walk Planting Palette












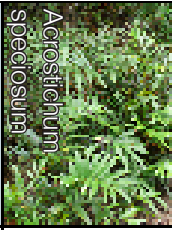
CANOPY														SUB CANOPY				
	Summer		 			 		 	 	 	 	 			 			
	Autumn							 	 	 					 			
	Winter															 		
	Spring						  	 	 	 								

Flower

Fruit

Scent

				
				
				
				
				
				
				
				
				
				
				
				
				
				
GROUND PLANE				
