

# 3.6

## Open Space, Public Domain and Landscape



## 3.6. Open Space, Public Domain & Landscape

# Introduction

This Public Domain chapter of the SSDA Architectural Design Statement has been prepared by McGregor Coxall and it presents the public domain design context, public domain design strategies and the public domain design for Cockle Bay Park.

This chapter will also highlight and reference items from the Cockle Bay Park Design Guidelines, SEARS and Conditions of Consent that correspond to the tables included in Appendix B, C and D of this report.

# 3.6. Open Space, Public Domain & Landscape

## Competition Design and SSDA Stage 1 Master Plan Comparison

To demonstrate the public domain design consistency with the winning and endorsed competition design, the below illustrative master plans have been included. The image on the left shows the competition illustrative master plan and the image on the right shows the current illustrative master plan.

Competition Design Illustrative Master Plan



Current Illustrative Master Plan



### 3.6. Open Space, Public Domain & Landscape

#### Competition Design and SSDA Design Principles Comparison

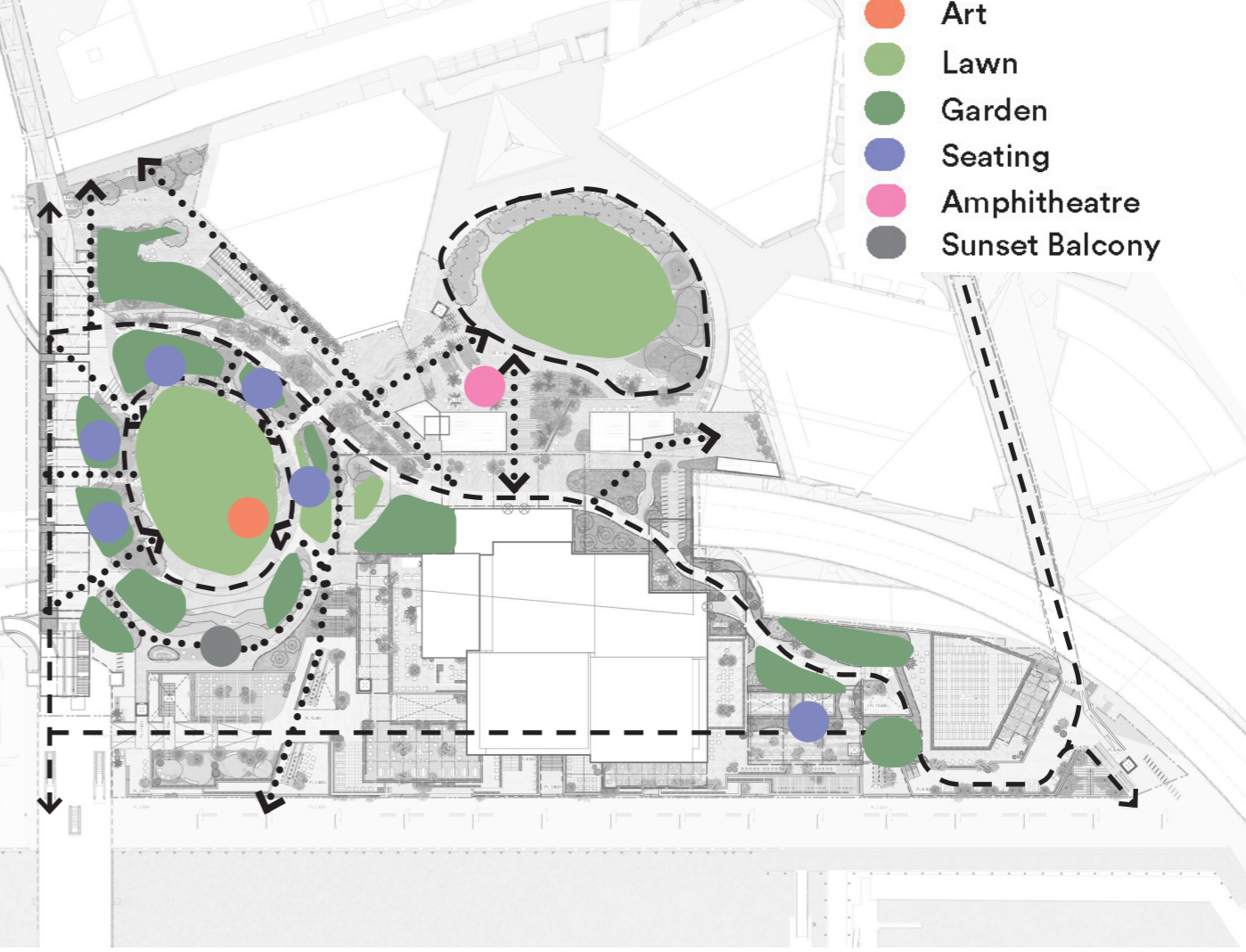
To further demonstrate the consistency and alignment to the winning and endorsed design competition design, the below diagrams have been included. The image on the left displays the competition design principles and the image on the right displays the current master plan design principles.

Key features include large passive lawn spaces bordered by canopy trees, a clear legible heirarchy of connectivity, quiet seating spaces, amphitheatre, art opportunities and sunset balcony.

Competition Design Master Plan Design Principles



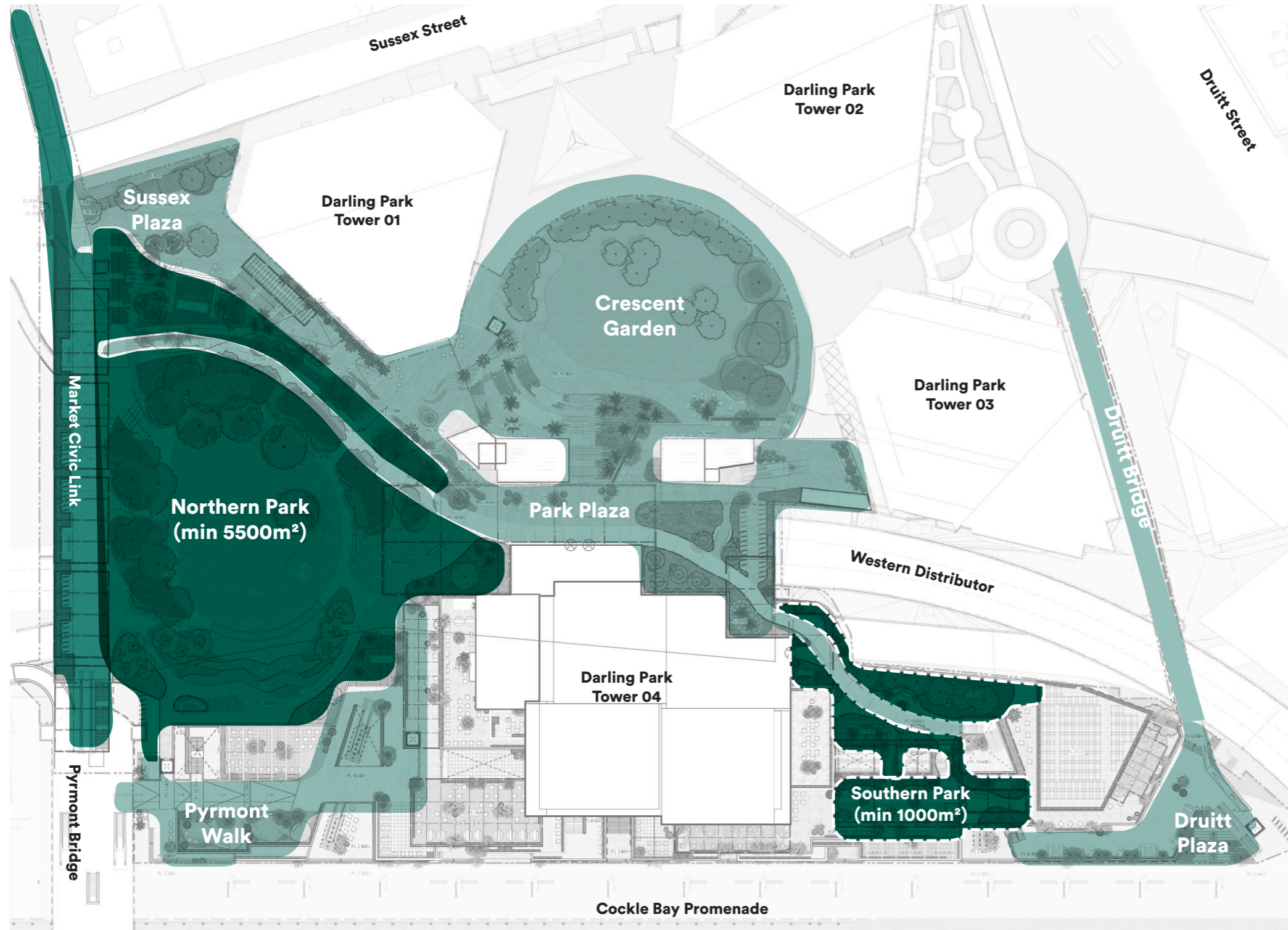
Current Master Plan Design Principles



## Public Park Provision

The diagram and table below have been included to demonstrate compliance with a minimum of 6500m<sup>2</sup> of 24/7 publically accessible public open space as per the following guidelines:

- Design Guideline 4.0 Open Space Design Principles
- 4.1 Create a new significant publicly accessible open space,
- 4.8 Enhance clarity of public and private space
- SSD7684 Item 12 Schedule 2 - Conditions for Consent for Concept Approval, Part A - Terms of Approval, A11 and A12 Open Space Control



- Stage 1 DA Public Park Area  
Compliance Minimum 6500m<sup>2</sup>
- Public Market Civic Link
- Precinct Public Open Space

Stage 1 DA Public Park	Minimum m <sup>2</sup> Requirement	Achieved
Northern Park	5500m <sup>2</sup>	Yes
Southern Park	1000m <sup>2</sup>	Yes

## 3.6. Open Space, Public Domain & Landscape

# 3.6.2 Public Domain Principles

A set of public domain principles have been included within this section of the report to communicate the opportunities, challenges and strategies that underpin the design outcome for the Public Domain.

## Access & Movement

The following access and movement and overall flows across the precinct diagrams have been prepared to demonstrate compliance with:

- Design Guideline 3.0 Urban Design Principles
- 3.1 Reconnect City to the Harbour,
- 3.2 Reconnect Pyrmont Bridge to Market Street, 3.3 Enhance the Waterfront,
- 3.9 Enhance the Druitt Street Connection,
- 3.12 Improve connectivity and wayfinding throughout the precinct,

### Civic Public Connectivity



- ➡ Civic Key Connections
- ➡ Precinct Key Connections

### Precinct Pedestrian Connectivity



- ➡ Civic Street Pedestrian Routes
- ➡ Civic Pedestrian Only Routes
- ➡ Precinct Pedestrian Routes

### Precinct Bicycle Connectivity



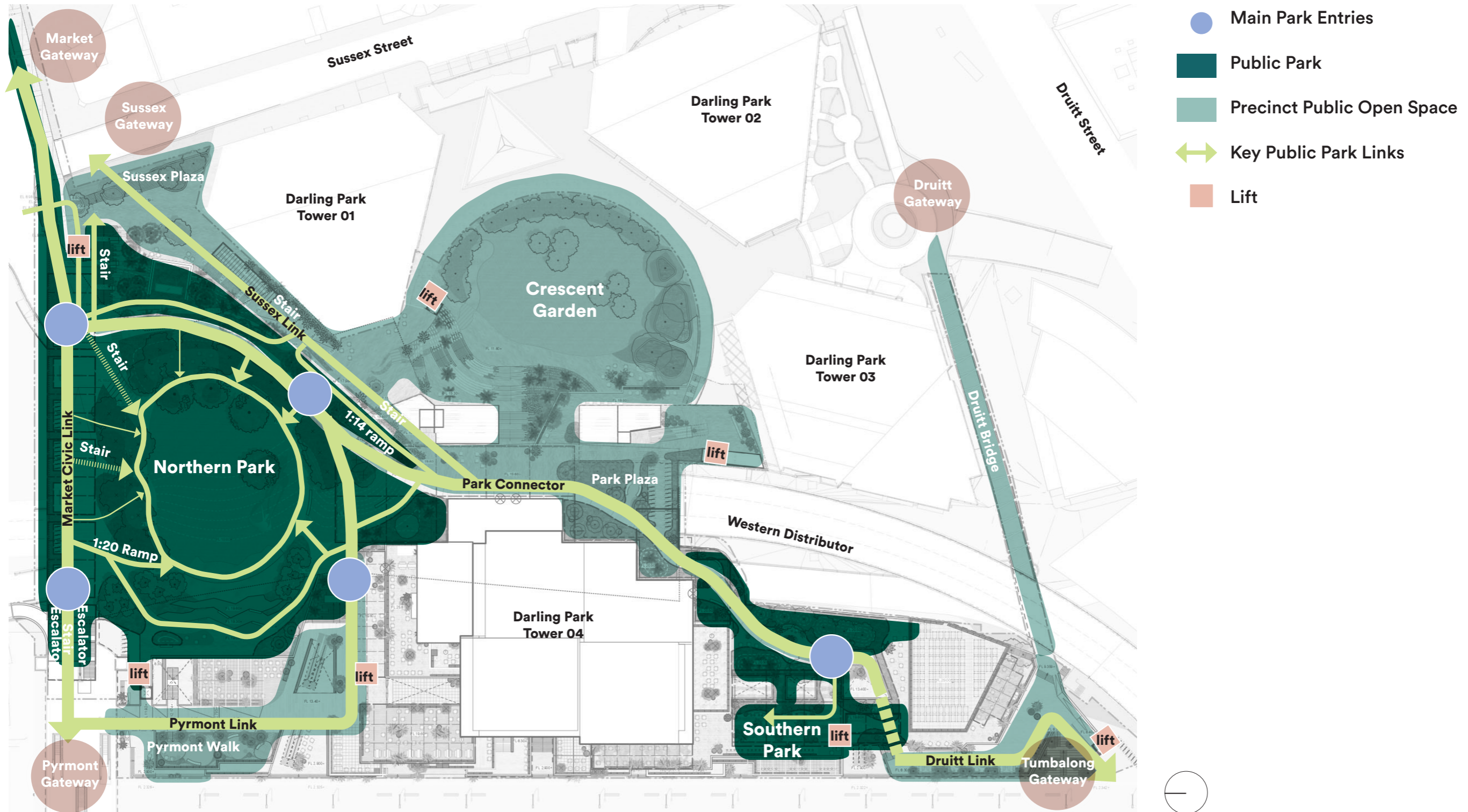
- ➡ Current Civic Bicycle Routes
- ➡ Planned Civic Bicycle Routes
- ➡ Precinct Bicycle Connector (Dismount/Informal)

### 3.6. Open Space, Public Domain & Landscape

#### Cockle Bay Parklands - The Public Experience

A truly connected public experience is key to the success of the Cockle Bay Park Public Domain. The diagram below illustrates the required 24/7 public park areas (dark green) interconnected by a vast fabric of precinct public open space (teal green) and a clear and intuitive path hierarchy (light green).

Gateways to the precinct are located at each corner shown in pale pink and ensure that the precinct is well connected and present in the surrounding Sydney CBD. Main entry points to the public parks are shown in purple and provide a wide catchment from various aspects of the precinct path network.

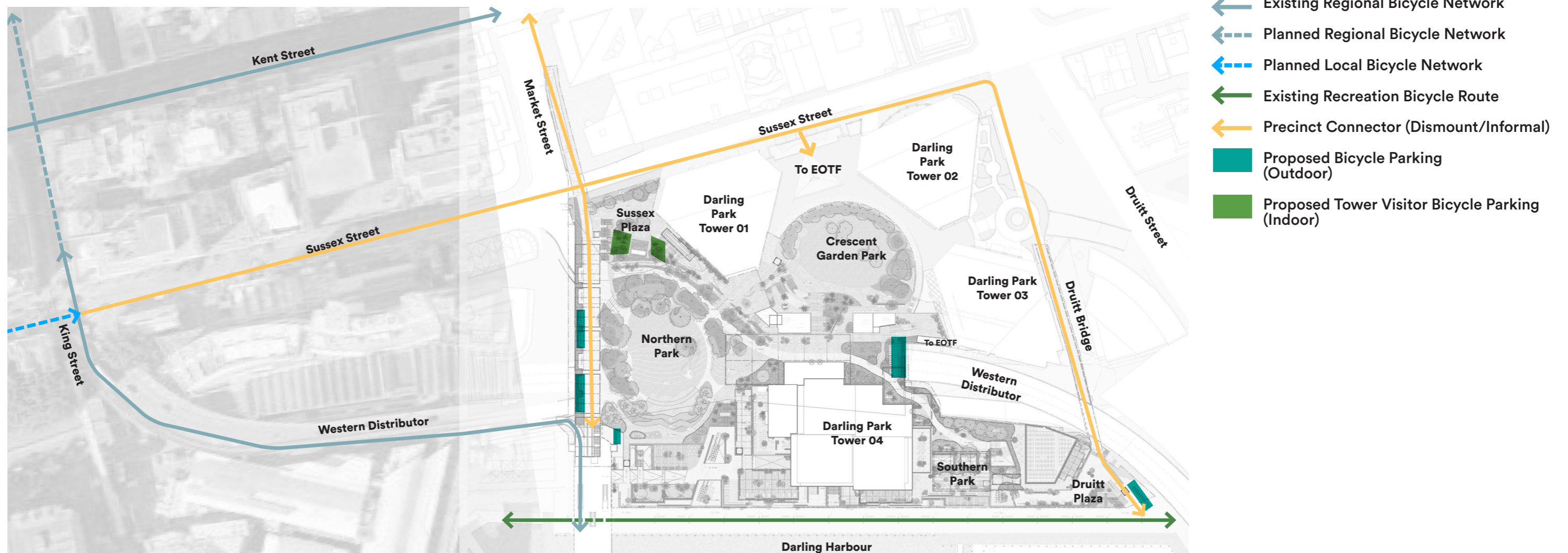


## Bicycle Amenity

To demonstrate compliance with Design Guideline 4.0 Open Space Principles, 4.4 Permeable and diverse public spaces, the below bicycle amenity diagram has been prepared. The regional, local and recreational routes are based on the City of Sydney Cycling Strategy and Action Plan 2018-2030.

Investigate the provision of cycleway connection via the development between:

- Existing pedestrian/cycle infrastructure on the Western Distributor and the King Street and Kent/Liverpool Street cycleways
- Market Street/ Kent Street
- Improved connections to Market Street

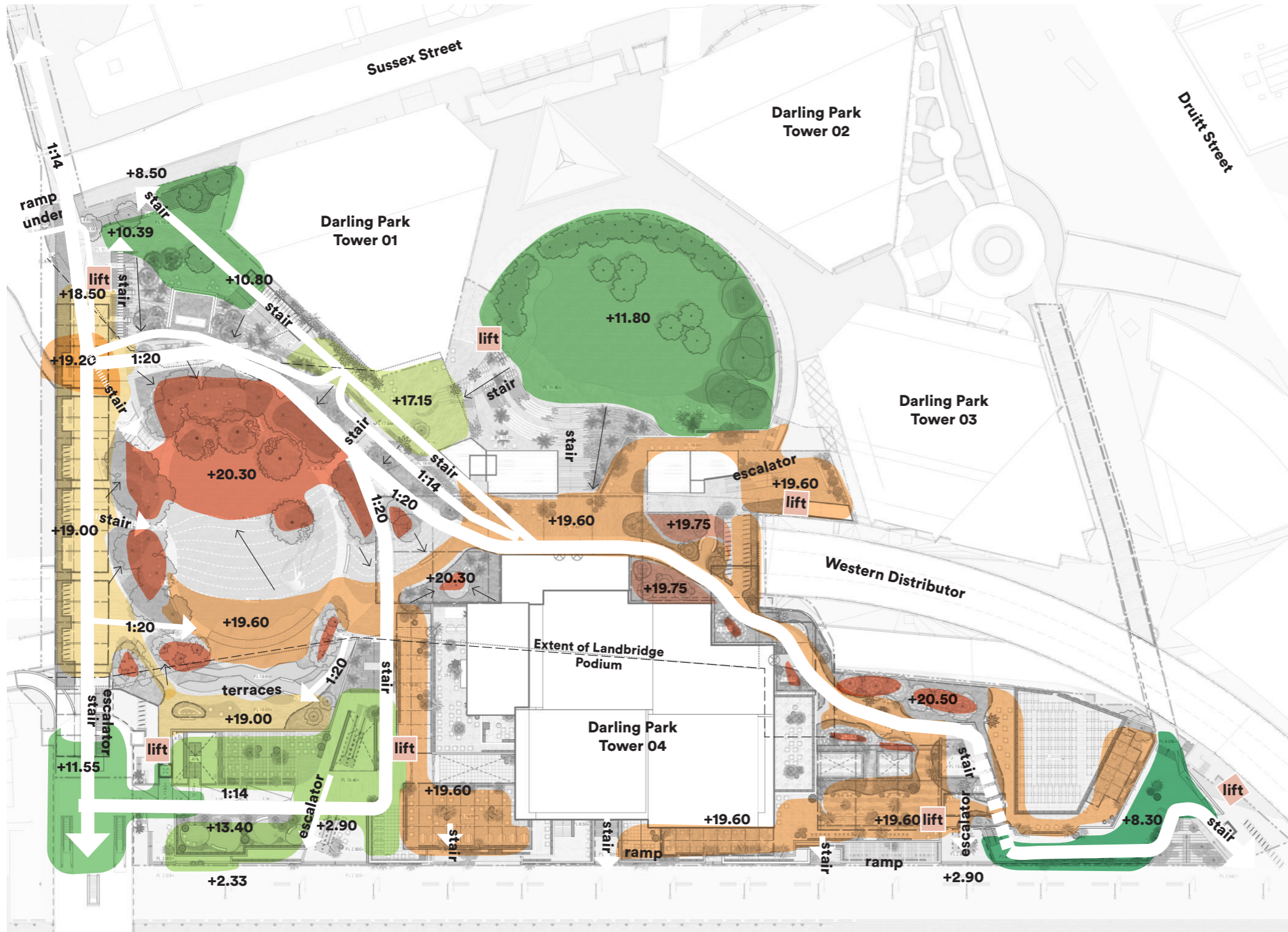


### 3.6. Open Space, Public Domain & Landscape

#### Site Levels and Accessibility Plan

The Cockle Bay Park public domain stretches and connects across multiple levels, reaching from Market, Sussex and DrUITt street levels up to the new landbridge level where the public parks and new tower is located, and then cascading back down the podium terraces towards the Cockle Bay waterfront.

The diagram below illustrates the precinct path network overlaid with the various site levels to clearly demonstrate the vast connectivity and rich topographical experience of the public domain.



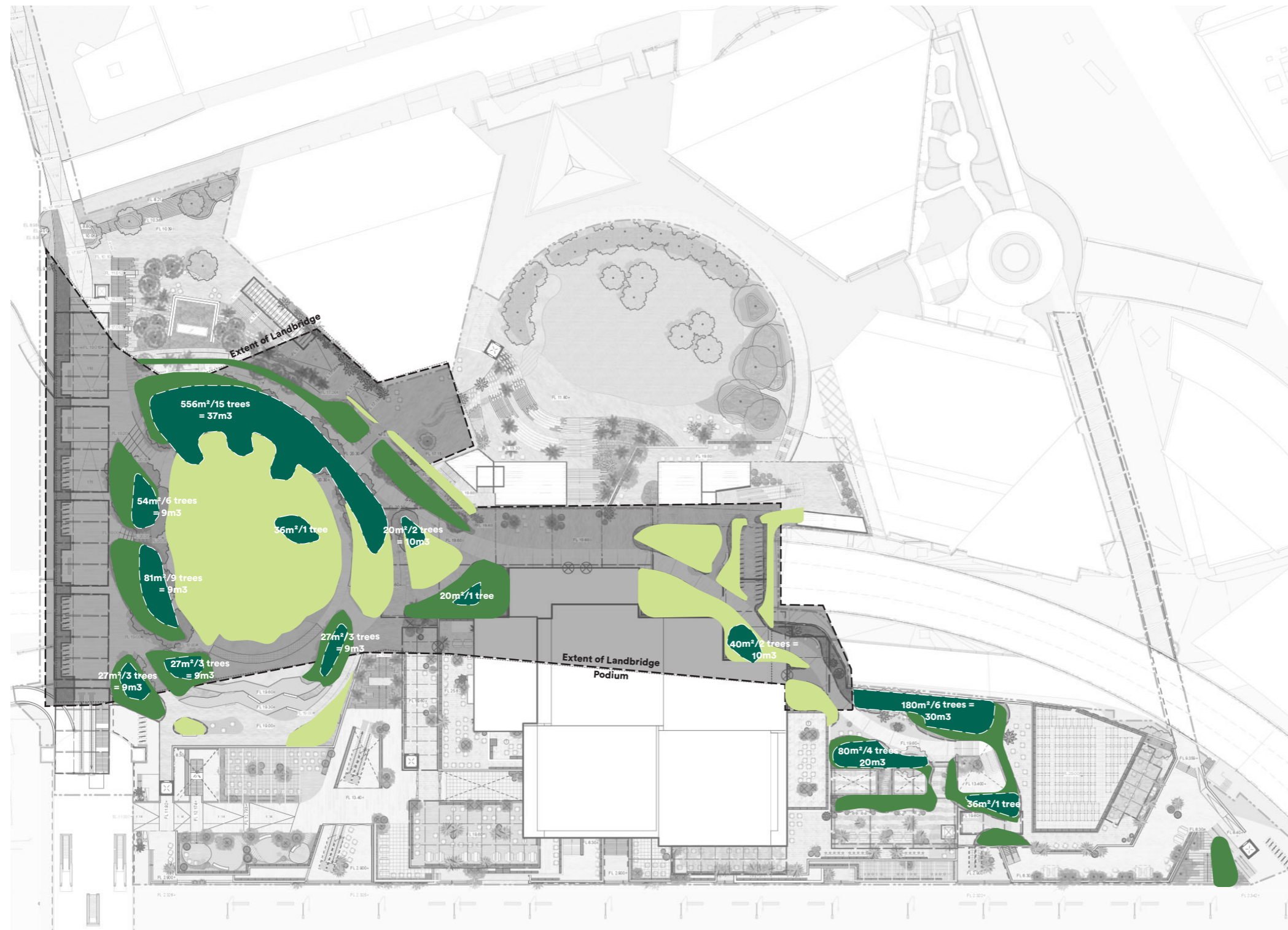
- Levels**
- +2.33 Darling Harbour Promenade
  - +2.90 Ground Floor Podium
  - +8.30 Level 01 Podium & DrUITt Plaza
  - +8.50 Sussex Street
  - +10.50 Sussex Plaza
  - +11.48 Pymont Bridge
  - +11.80 Crescent Garden
  - +13.40 Level 02 Podium
  - +17.10 DP1 New Lobby Plaza
  - +18.40 Sunset Belvedere
  - +19.00 Market Civic Link
  - +19.30 Planting on Market Civic Link
  - +19.60 Level 03 Podium, Southern Park
  - +19.75 Planting in Park Plaza
  - +20.30 Trees on Landbridge
  - +20.50 Trees at Southern Park

## Soil Depths & Volumes

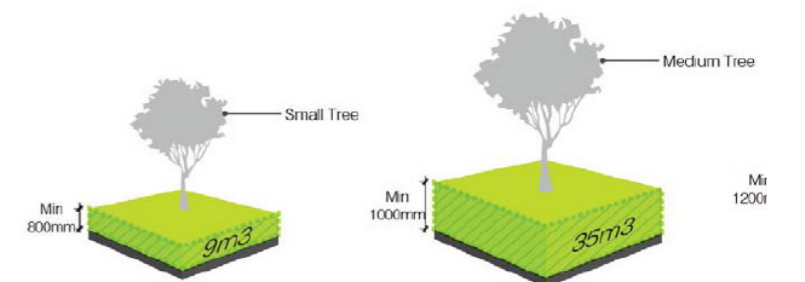
In order to support a healthy and resilient landscaped public park on the landbridge and podium structure, adequate soil volumes as per the City of Sydney Landscape Code have been provided.

The diagram below illustrates the location of various soil depths and volumes. The dark green areas denote a depth of 1200mm and a minimum of 9m<sup>3</sup> for small trees

up to 6m tall and 35m<sup>3</sup> for medium trees up to 9m tall. The medium green areas denote a depth of between 300-1200mm where the soil slopes from the deeper 1200mm mounds. Shrubs and small trees are located in these zones. The light green areas denote a depth of 300mm for lawn and groundcover planting.



- 1200mm soil depth for medium trees (total of 1184m<sup>3</sup> or 18.2% of Public Park area)
- 300-1200mm soil (sloped) for shrubs and small trees
- 300mm soil depth for lawn and groundcovers



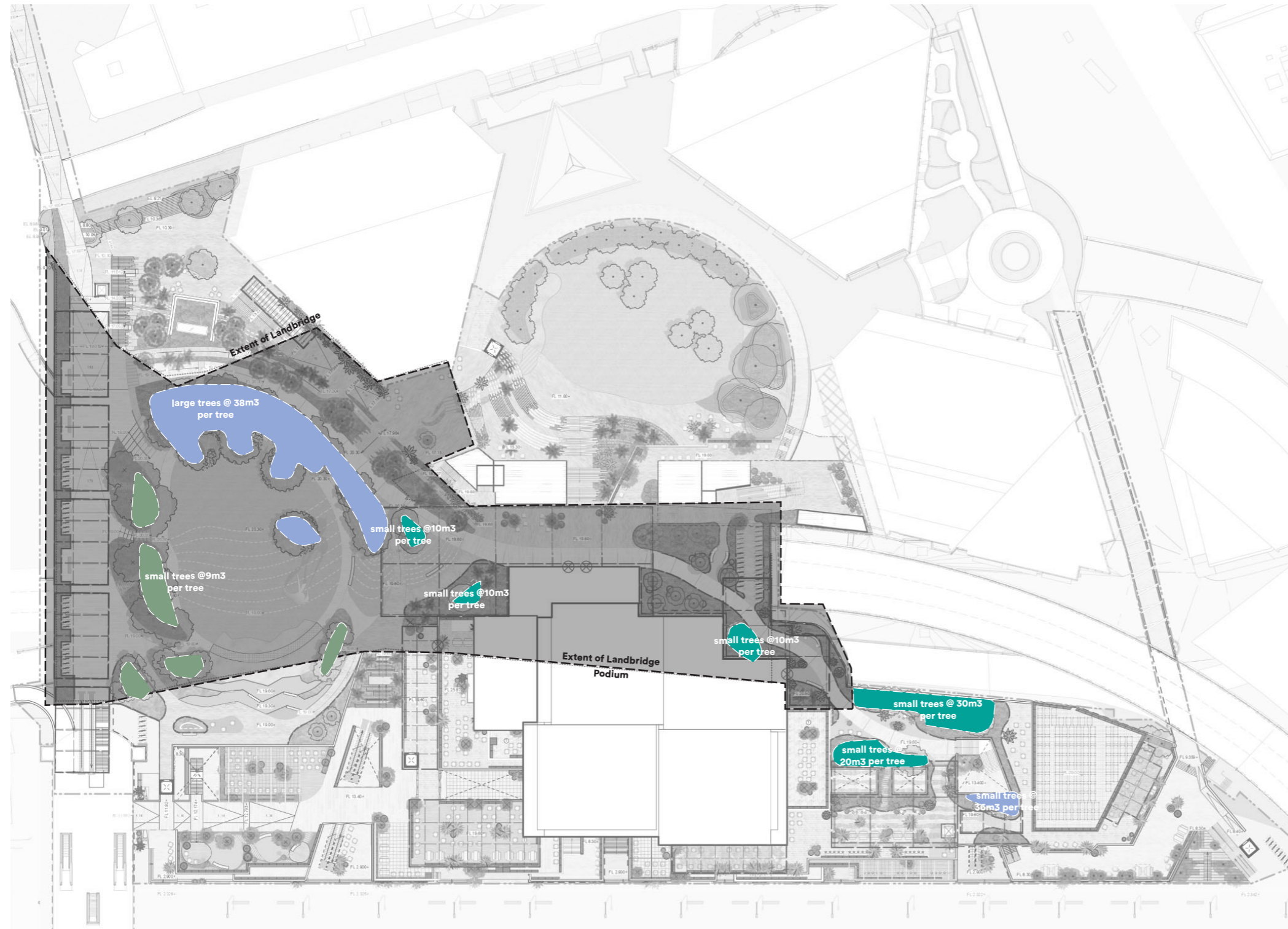
Soil Volume Guideline (City of Sydney Landscape Code)

### 3.6. Open Space, Public Domain & Landscape

#### Tree Soil Volume Codes and Guidelines

The diagram below demonstrates a cross check of soil volumes achieved against the City of Sydney Landscape Code and the Cockle Bay Park Urban Design Guidelines. As shown 53% of the soil volumes provided for trees meet the Cockle Bay Urban Design Guideline, 28.8% exceeds the City of Sydney Landscape Code and 18.2% meets the City of Sydney Landscape Code.

All efforts have been made to accommodate as much soil volume as possible to ensure the resilience and wellbeing of the trees, however due to the height constraints over the Western Distributor below, the landbridge structure loading is limited in accommodating further soil weight loading than what has been proposed.



- Soil Volumes for trees comply with Cockle Bay Urban Design Guidelines = 628m<sup>3</sup>/53%
- Soil Volumes for trees exceed City of Sydney Landscape Code = 340m<sup>3</sup>/28.8%
- Soil Volumes for trees meet City of Sydney Landscape Code = 216m<sup>3</sup>/18.2%

Source	Soil Volume Requirements		
	small tree 6-8m	medium tree 8-12m	large tree 12-18m
Cockle Bay Park Urban Design Guidelines	36m <sup>3</sup>	38m <sup>3</sup>	NA
City of Sydney Landscape Code	9m <sup>3</sup>	35m <sup>3</sup>	NA

### 3.6. Open Space, Public Domain & Landscape

#### Public Domain Vision

The public domain vision is inspired by the Sydney coastline and embraces the topographical layering of Plateau, Cliff and Shoreline.

The landbridge and Crescent Garden from the plateau, the podium forms the cliffs and the interface with the waterfront promenade forms the shoreline.

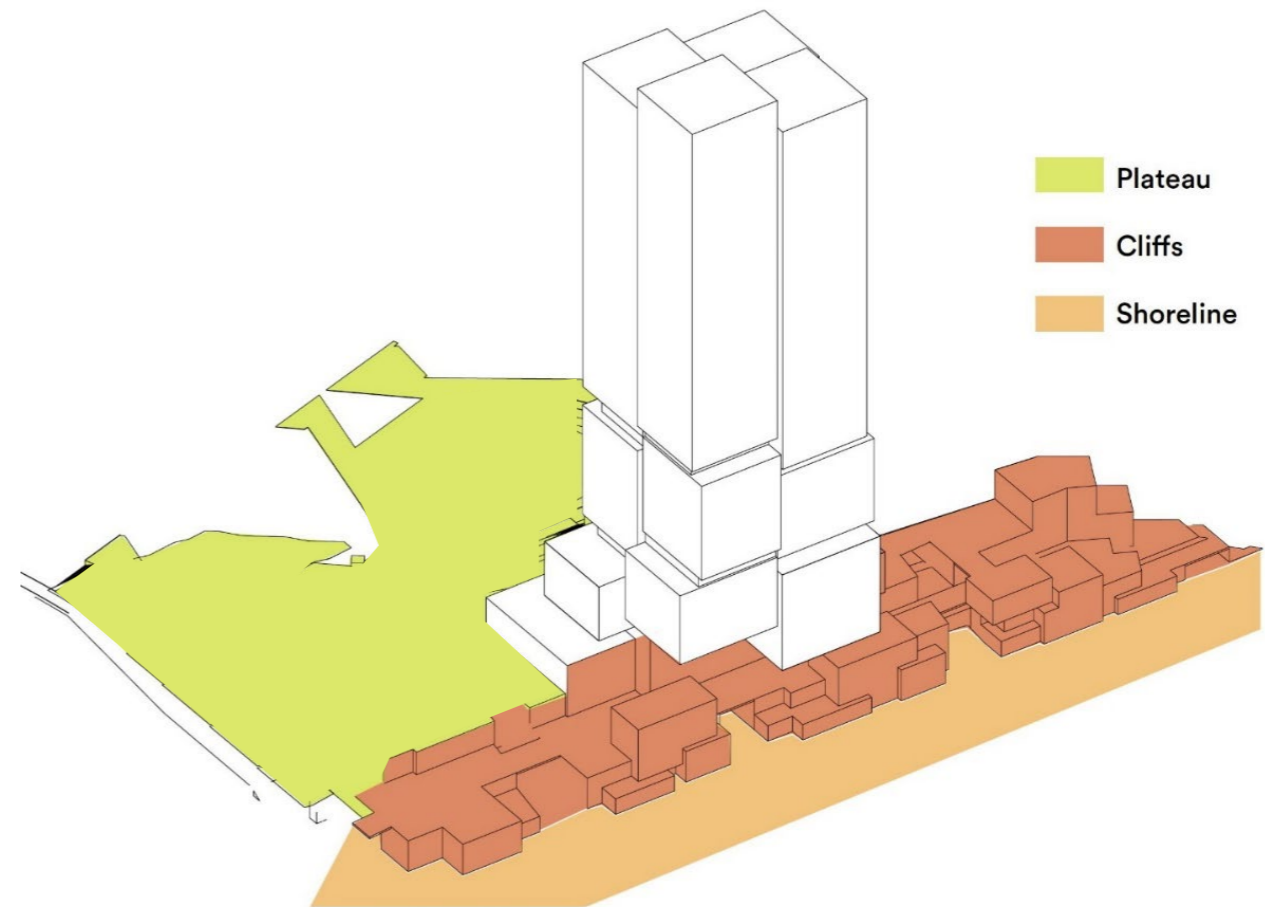
Plateau



Cliff



Shoreline



### 3.6. Open Space, Public Domain & Landscape

#### Park Character

The Cockle Bay Park precinct spans across a variety of spaces with differing user opportunities, experiences, palettes and functions. Areas such as the Market Civic Link, Park Plaza and DrUITt Bridge and Plaza are key connective fast paced civic experiences, in contrast with Sussex Plaza, Level 02 Balcony and Southern Park offering the opportunity to dwell in the natural urban setting. Areas such as the

Northern Park are quieter spaces with the opportunity to fully disconnect and immerse yourself in nature. Crescent Garden Park will be a place for gathering and events. The diagram below illustrates this variation in character across the public domain.



- Market Civic Link**
- Street-like
  - Civic
  - Promenade
  - Dynamic
  - Journey
  - Avenue
  - Pause Points

- Park Plaza**
- Green Connector
  - Coastal Garden
  - Dynamic
  - Journey
  - Meeting Place
  - Central Spine
  - Sit & Observe

- Sussex Plaza**
- Gateway
  - Green Cascade
  - Cliff Edge
  - Folding Park
  - Sense of Arrival
  - Pleasant Surprise
  - Sheltered
  - Dwell & Relax

- Crescent Garden Park**
- Campus Heart
  - Wellness
  - Folding Park
  - Cliff & Valley
  - Embraced
  - Be Entertained
  - Discover

- Northern Park**
- Public Park
  - Place of Respite
  - Sky Country
  - Canopy Trees
  - Flowering Natives
  - Plateau

- Southern Park**
- Public Park
  - Meeting Place
  - Green Cascade
  - Water Views
  - Celebrate

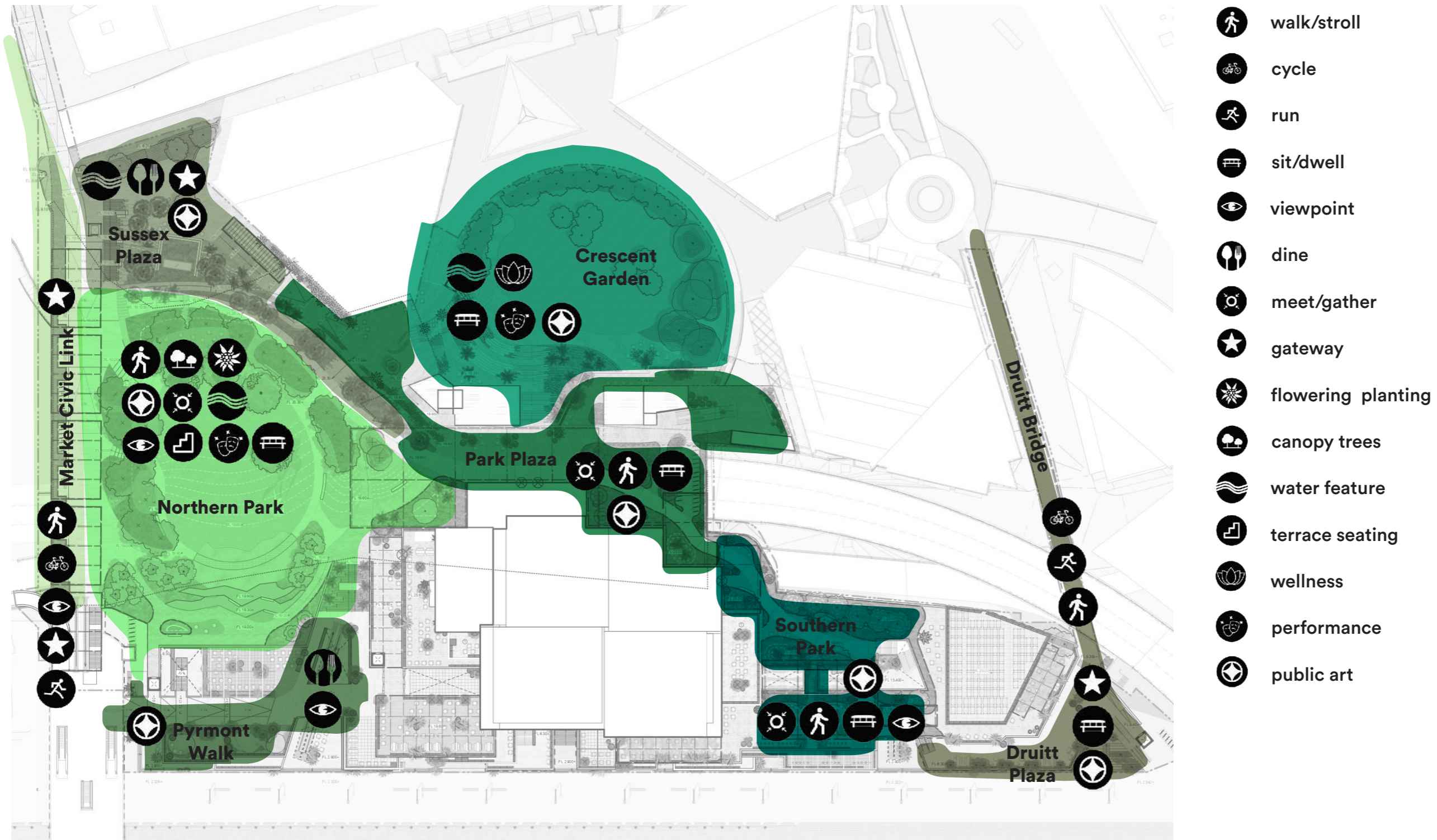
- Pyrmont Walk**
- Water Views
  - Village Centre
  - Cliff Edge
  - Green Cascade
  - Fine Grain
  - Terrace
  - Dwell & Relax

- DrUITt Plaza & Bridge**
- Street-like
  - Civic
  - Promenade
  - Village
  - Water Views
  - Gateway
  - Fine Grain
  - Dynamic

### 3.6. Open Space, Public Domain & Landscape

#### Park Programme and Features

The Cockle Bay Park public domain offers a diverse array of programmes and features across the parks and spaces. The diagram below illustrates a summary of the physical features and recreational offers across the precinct public domain aligned with the character communicated in the Park Character section of this report.



### 3.6. Open Space, Public Domain & Landscape

#### Planting Microclimates & Tree Species Strategy

The plant species strategy for the Cockle Bay Park public domain will be a predominant mix of native and endemic species to the Sydney coastal region as per the City of Sydney's Landscape Code.

Three contrasting planting microclimates will span across the public domain, Hawkesbury Sandstone Forest for the Northern Park, Wet Fern Gully for Sussex

Plaza, Park Plaza, Southern Park and Crescent Garden, and Coastal for the podium terraces and waterfront. The following pages include a summary of proposed tree, shrub and ground cover species aligned to these microclimates. Refer to Planting Palette under Section 3.6.3 Landscape Plan.



#### Tree Canopy Cover %

The Cockle Bay Park precinct public domain meets and exceeds the minimum requirement of 15% tree canopy cover as prescribed by:

- Design Guideline 4.0 Open Space Design Principles,
- 4.1a Landscaping.



- Total Public Domain = 15,780 sqm
- Deep Soil Canopy Cover in Public Domain Area = 30.6%
- Canopy Trees in large pots (not included in calculation)

### 3.6. Open Space, Public Domain & Landscape

#### Environmentally Sustainable Design (ESD) Strategy

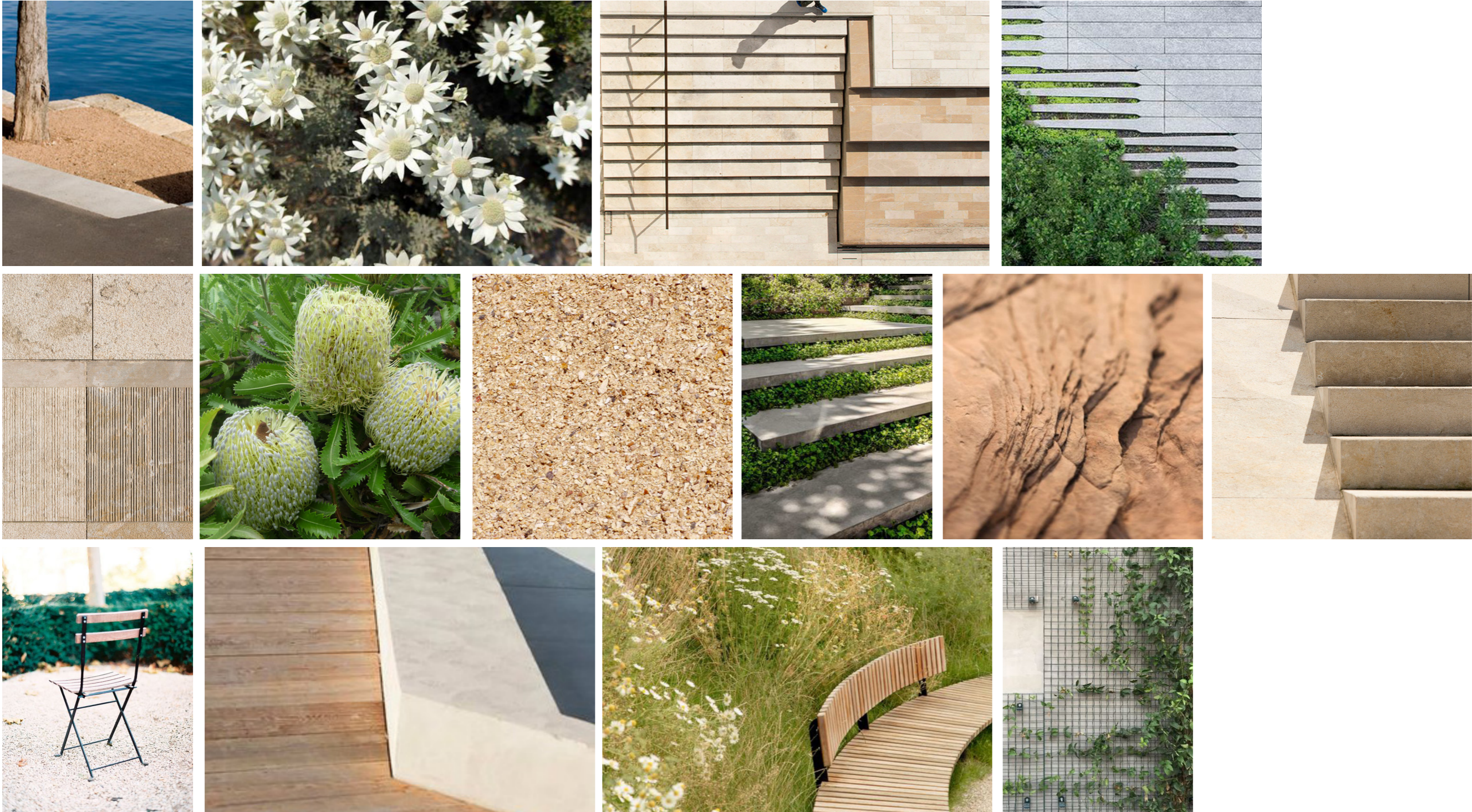
The below table identifies the ESD targets for the public domain. These are guided by the project wide ESD framework.

ESD TARGETS FOR PUBLIC DOMAIN	
TOPIC	TARGET
PLANT SPECIES SELECTION	- 75% native and endemic plant species to be selected
LOW WATER USE	- Automated Irrigation System with soil moisture sensors to be provided
LOW EMBODIED ENERGY	- All public domain materials to be sourced from Australian quarries - All public domain materials to be manufactured, delivered and constructed to achieve low embodied energy
TREE CANOPY COVER	- An extended target of 20% canopy coverage(from 15% in the design guidelines)
URBAN HEAT	- All surface materials to be of an solar reflectivity index between SRI 50 and 70 in order not to absorb excess heat and reflect excessive glare.
GREEN WASTE	- All green waste collected from the public domain to be stored and composted and reused onsite

# 3.6. Open Space, Public Domain & Landscape

## Materials Palette

The materials palette for the Cockle Bay Park public domain, derives its inspiration and richness from the Gadigal Country on which it is located. The brilliant textures and hues of Sydney sandstone, native hardwood and coastal planting form the canvas for the materiality in the public domain. The collection of imagery below demonstrates a snapshot of the materiality aspiration.

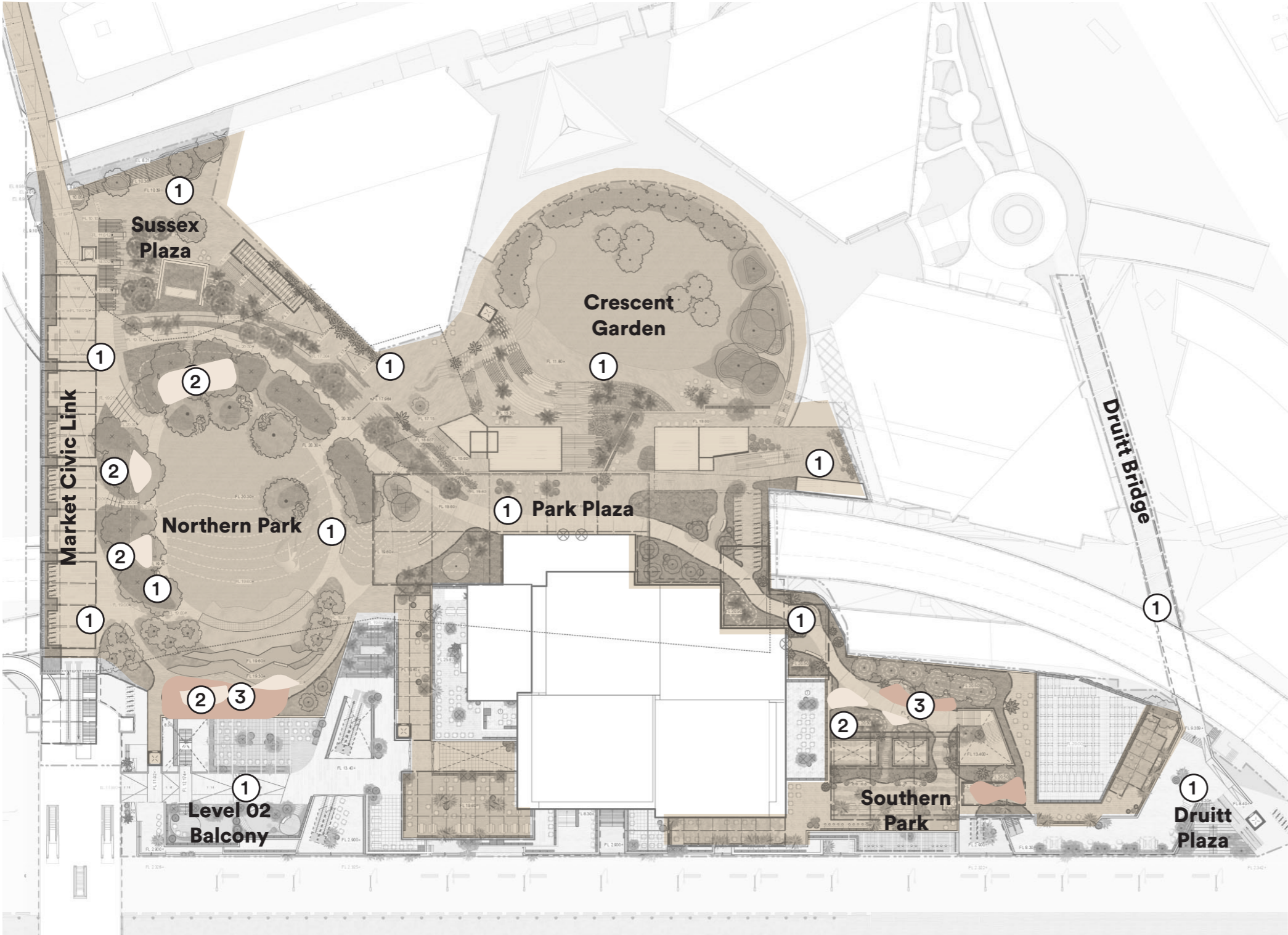


# 3.6. Open Space, Public Domain & Landscape

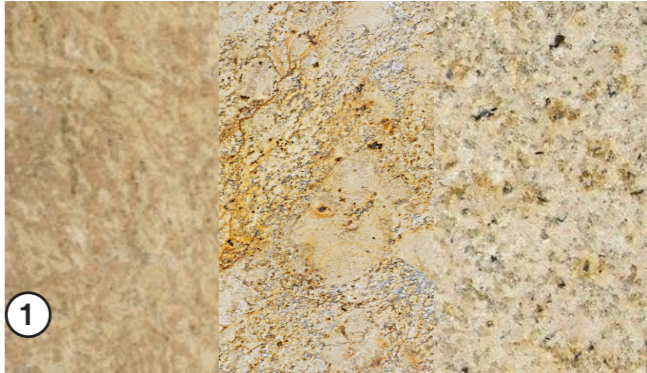
## Surface Finishes Strategy

Inspired by the overall material palette, the surface finishes for the public domain will be informed by the beauty of Sydney sandstone. Natural stone slabs sourced locally will form the predominant ground plane finishes, varying in size, pattern and finish aligned to the character and function of the different spaces across the public domain, Crushed natural stone will be used in quiet seating garden areas to provide a

permeable surface as per the City of Sydney Landscape Code, and natural stone flagstone will be used in certain feature areas, a reminder of Country below.



- ① Surface Finish Type 01 - Local Natural Stone
- ② Surface Finish Type 02 - Crushed Hawkesbury sandstone
- ③ Surface Finish Type 03 - Hawkesbury sandstone flagstone



#### Paving Philosophy

The way a landscape surface is treated can be conducive to the way that people move and gather. Creating a larger grained pattern encourages slow movement creating a notion of space and calmness. In contrast a finer grained pattern encourages faster paced movement creating the notion of energy and activation. By playing with the scale of pattern in paving units throughout the Cockle Bay Park, we intend to subtly encourage the way pedestrians should behave in certain zones.

For example, the entry plazas and main connective paths, a smaller grain unit size will be used, and areas of quiet sitting and gathering, a larger scale slab unit size will be used. The overall paving design has not yet been developed, however this paving philosophy will help inform the final design.



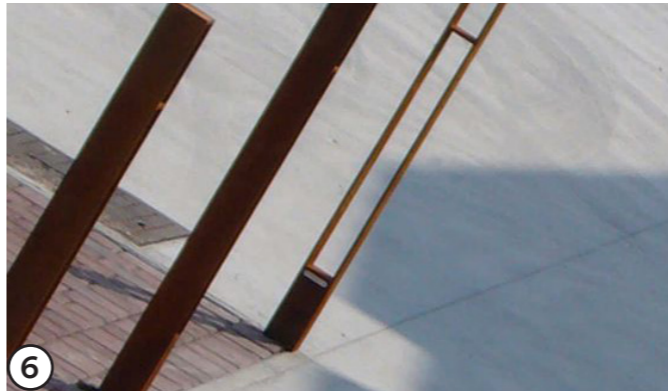
dynamic scale

ambient scale

# 3.6. Open Space, Public Domain & Landscape

## Landscape Furniture Strategy

Inspired by the overall material palette, the landscape furniture selection will reflect and evoke a sense of place and belonging and will be consistent across the precinct. The seating will be informal, rustic and warm to encourage people to dwell and enjoy the park spaces. The hardware elements such as handrails, bollards, light posts, bike racks and balustrades will be visually and texturally connected to the built architectural palette, a juxtaposition to the natural parkland to orientate users in the precinct.

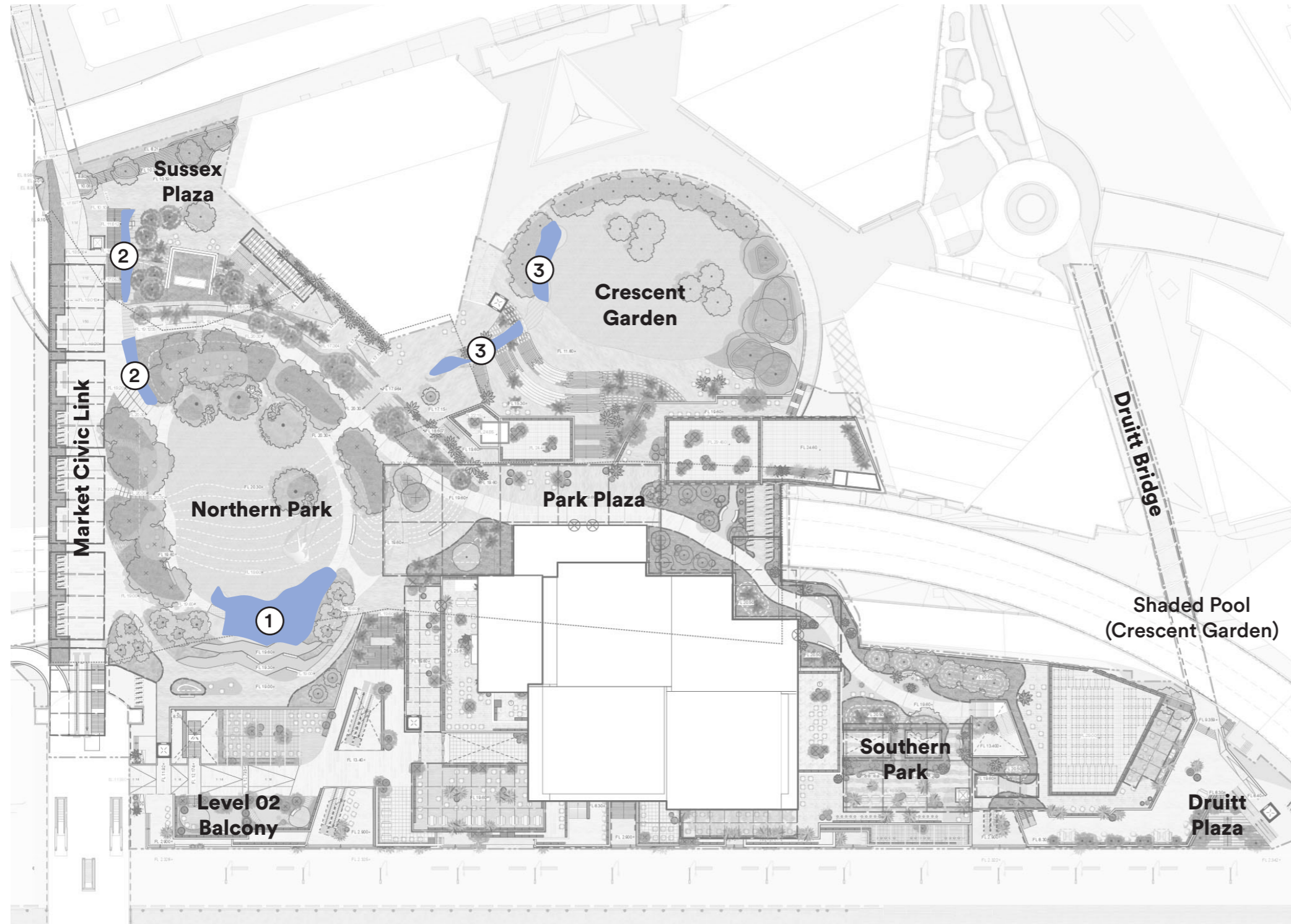


- ① Seating Type 01 - Bench Seat
- ② Seating Type 02 - Bench Seat
- ③ Seating Type 03 - Table & Chairs
- ④ Handrails
- ⑤ Bicycle Racks
- ⑥ Bollards
- ⑦ Lighting
- ⑧ Balustrades
- ⑨ Wall Cladding

## Water Feature Strategy

Water is a key unifying, orientating and authentic component of the Cockle Bay Park public domain. These water features enhance the topographical narrative of the plateau and the valleys. At the western edge of the plateau, within the expanse of lawn of the Northern Park, is a shallow pool that can be walked on. Named the 'sunset mirror', this pool has been carefully located at the harbour facing edge of the park

to capture the reflection of the enamouring evening sunset, a spectacle for all to enjoy. At the Sussex Street arrival plaza, a cascading tucorah water feature, clings to the edge of the grand stair, welcoming visitors to the precinct and enticing them inside to explore. Within the Crescent Garden, it is proposed that a natural water feature is located, authentically cleansing stormwater, providing an educational opportunity.



- ① Sunset Water Mirror
- ② Tucorah Cascades
- ③ Raingarden/Bioswale Opportunity



# 3.6. Open Space, Public Domain & Landscape

## Podium Terraces - Planting Strategy



1A + 1B. Balustrade Planter Boxes



2. Balustrade Planter Boxes



3. Free Standing Planter Boxes



5A, 5B + 6. Integrated Planter Boxes



7A. Climbers with Planter Box below



7B. Green Walls

# Landscape Plan

This section details the landscape design for the precinct and detailed areas of the Cockle Bay Park.

# 3.6. Open Space, Public Domain & Landscape

## Public Domain Precinct Plan

The overall public domain precinct plan shows the site in its entirety, demonstrating the key cohesive and consist public domain fabric stretching to all city edges. The following design principles have been adapted and are displayed in the plan below:

- Design Guideline 4.0 Open Space Design Principles, 4.1a Landscaping,
- 4.2 Provide an improved, city scale connection between Prymont Bridge and Market Street,
- 4.3 Enhance the waterfront experience,
- 4.4 Permeable and Diverse public spaces,
- 4.5 Provide Spaces that enhance access to the waters edge,
- 4.7 Reimagine Crescent Garden



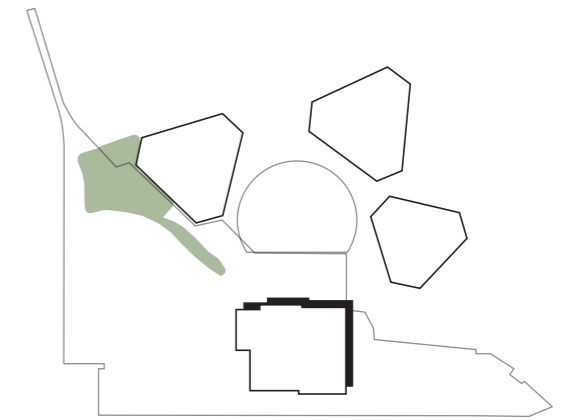
- ① Sussex Plaza
- ② Market Civic Link
- ③ Northern Park
- ④ Park Plaza
- ⑤ Crescent Garden
- ⑥ Southern Park
- ⑦ DrUITT Plaza
- ⑧ DrUITT Bridge
- ⑨ Level 02 Balcony



### 3.6. Open Space, Public Domain & Landscape

#### Sussex Square

Sussex Plaza is a new meeting place in Sydney and the new development. It is a meeting place for workers and visitors but first and foremost the meeting between city and nature. Sussex plaza is an introduction to the public park above that cascades down and functions as a sheltering buffer for the F&B offer in the garden pavillion centrally located on the plaza welcoming the city to the precinct. From the Sussex plaza there is a clear wayfinding to either the park above or straight to the new Tower.



- ① New Sussex Street Stair
- ② Precinct Welcome Feature
- ③ Market Street Bridge
- ④ Tucorah Cascade Water Feature
- ⑤ Amended street stair
- ⑥ Retail
- ⑦ Ramp from landbridge to DP1 upper level
- ⑧ Garden Stair from landbridge to DP1 upper level
- ⑨ Sloped Cascade Gardens
- ⑩ Stair and Escalator on Sussex Link
- ⑪ Tower Lobby Path
- ⑫ Bicycle Parking on Market Bridge
- ⑬ Tower Visitor Bicycle Parking under sloped garden

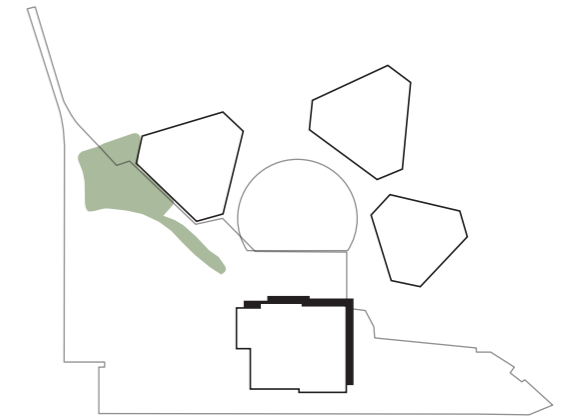








Landscape Plan

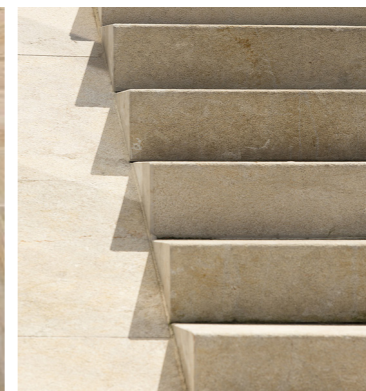
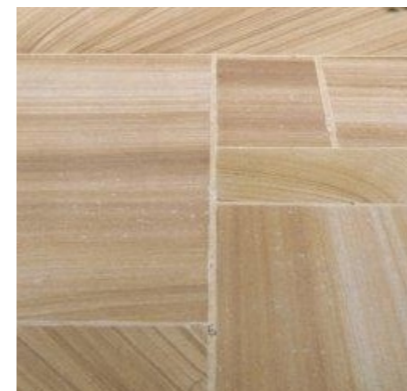
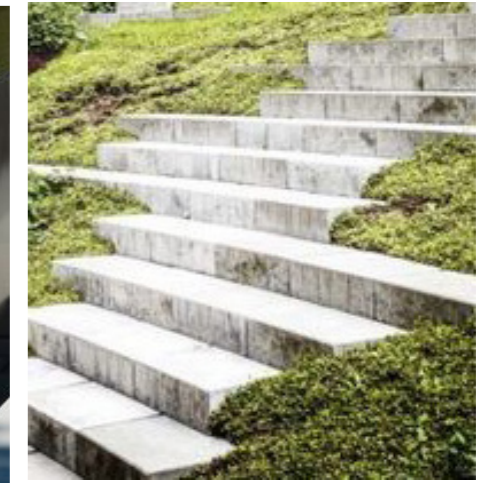
### 3.6. Open Space, Public Domain & Landscape

#### Sussex Square

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for Sussex Square.



-  Key Pedestrian Flows
-  Sloped Cascade Gardens
-  Outdoor Dining
-  Retail
-  Precinct Signage
-  Water Features



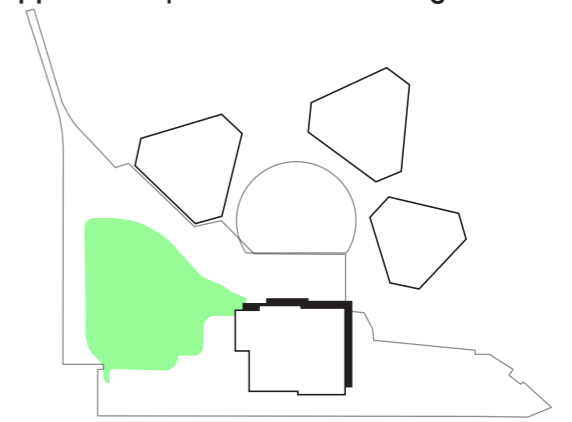
Park Programme & Features

### 3.6. Open Space, Public Domain & Landscape

#### Northern Park

The Northern Park is the key upper space of the project, located on the land-bridge above the Western Distributor. The Northern Park takes design cues from the native abalone shell as well as tying in with the precinct wide Plateau, Cliff and Shoreline design language, connecting to Country. The park comprises of a large elevated sun lawn overlooking Cockle Bay and Pyrmont Bridge. The lawn is enclosed with flowering natives and shade trees framing the view across Cockle Bay. These trees

create a pleasant micro-climate and a sense of respite from the city. The lawn is tilted to capitalise on views and coastal breezes.



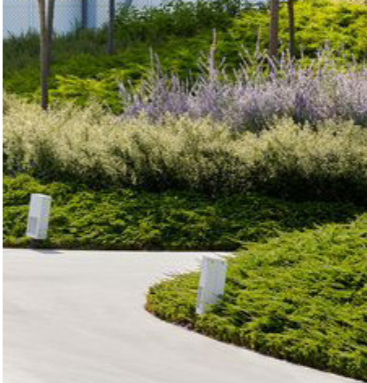
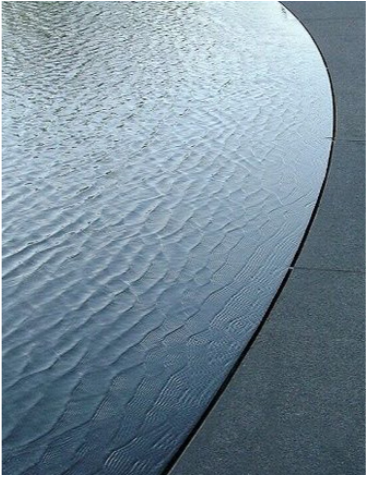
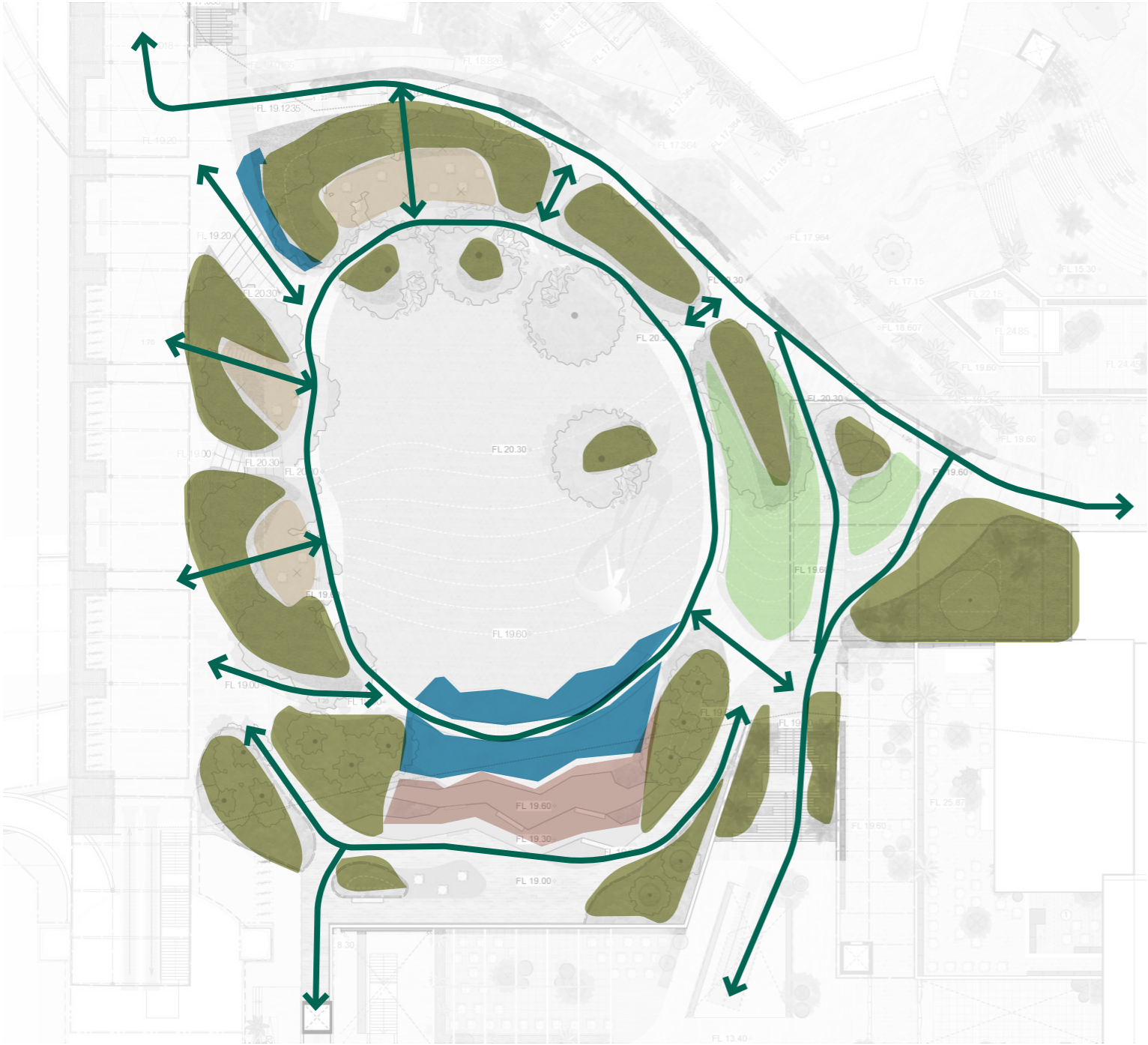
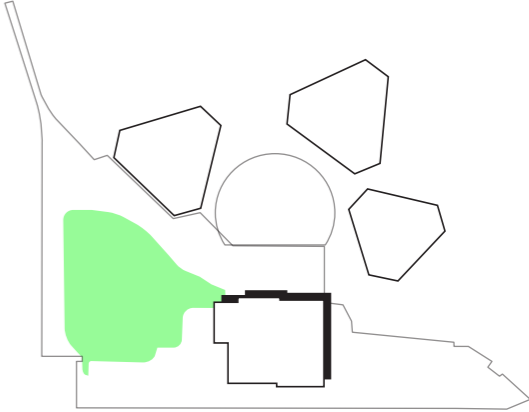
- ① Abalone shaped Central Lawn
- ② Large Eucalypt Trees
- ③ Main Park Entry
- ④ Park Entries
- ⑤ Quiet Seating Spaces
- ⑥ Tucorah Water Cascade
- ⑦ Sunset Mirror Water Feature
- ⑧ Sandstone Seating Terraces
- ⑨ Sunset Belvedere
- ⑩ Landmark Public Art
- ⑪ Mounded planting
- ⑫ Tower Lobby Path
- ⑬ Opportunity for 9m trees







Landscape Plan

# 3.6. Open Space, Public Domain & Landscape

## Northern Park

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for the Northern Park



-  Pedestrian Flows
-  Lawn
-  Sloped Gardens
-  Water Feature
-  Seating Terraces
-  Crushed Sandstone

Park Programme & Features

Northern Park



Western View through Northern Park

### 3.6. Open Space, Public Domain & Landscape

#### Northern Park

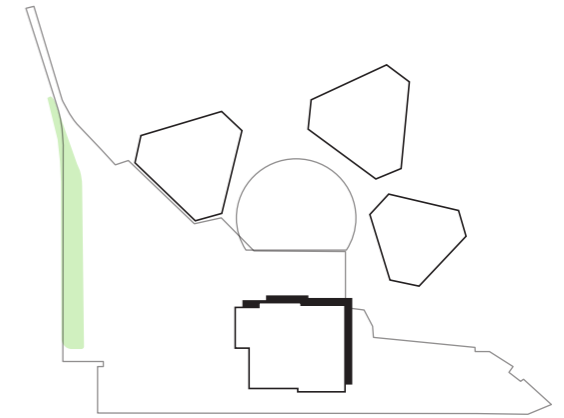
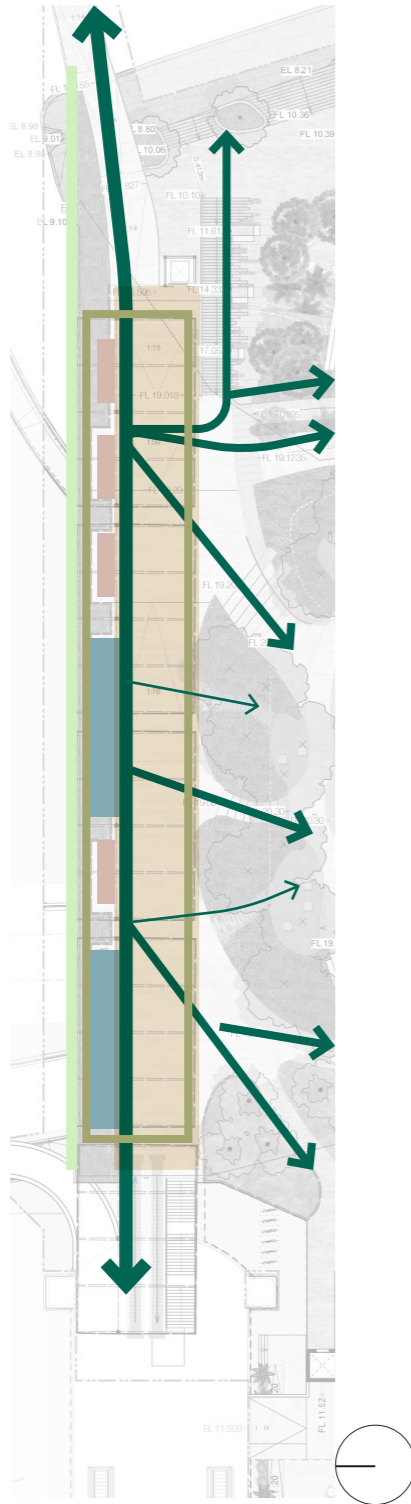








Looking east across Sunset Belvedere

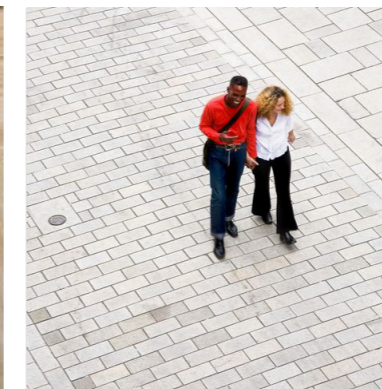
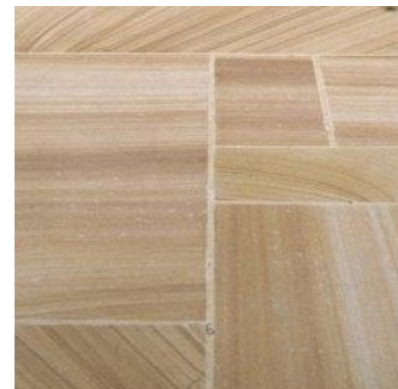
### 3.6. Open Space, Public Domain & Landscape

#### Market Civic Link

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for the Market Civic Link.



-  Key Pedestrian Flows
-  Biosolar Shade Canopy with PV Panels
-  Pre-cast concrete Noise Wall with green trellis
-  Bench Seating
-  Feature Paving denoting fast and slow movements
-  Bicycle Parking

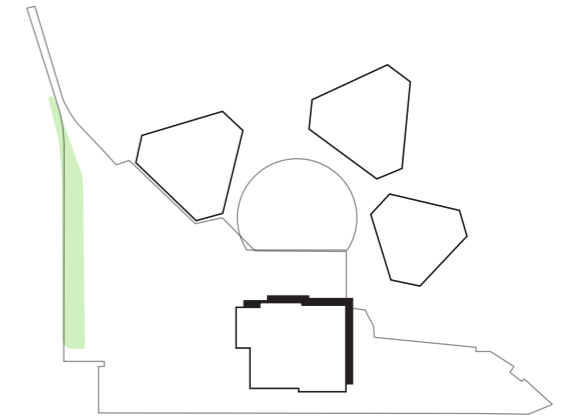


### 3.6. Open Space, Public Domain & Landscape

#### Market Civic Link

The Market Street Extension is 8m wide civic link/promenade and provides a key connection through the site from the CBD to Cockle Bay and along the Pymont Bridge to Pymont/Glebe. The bridge lands in the Northern Park with unique commanding views over the bay framed with parkland.

The northern side of the bridge has an acoustic wall diffusing noise generated from the Western Distributor, creating a tranquil crossing. The Bridge is covered by a shade canopy maintaining all weather access and contains photo voltaic panels on the roof.



- ① Biosolar Shade Canopy
- ② Feature Paving denoting fast and slow movements
- ③ Sussex Plaza
- ④ Northern Park
- ⑤ Pymont Bridge
- ⑥ Stair from Sussex Plaza to landbridge level
- ⑦ Lift from Sussex Plaza to landbridge level
- ⑧ Stair and escalator from Pymont Bridge to landbridge level
- ⑨ Entries to Northern Park
- ⑩ Tower Lobby Path
- ⑪ Tucorah Cascade water Feature
- ⑫ Bicycle Parking
- ⑬ Bench Seating



Market Civic Link



Looking West down Market Civic Link

### 3.6. Open Space, Public Domain & Landscape

#### Market Civic Link

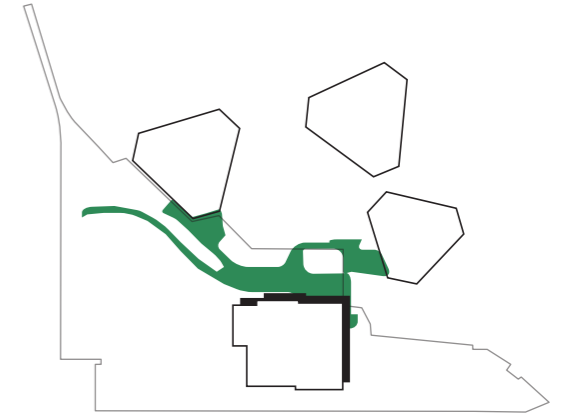


Northern Park looking north east towards Market Civic Link

### 3.6. Open Space, Public Domain & Landscape

#### Park Plaza

The Park Plaza is the primary entrance for the tower. It is located in the centre of the site and is an important threshold between the upper and lower areas of the project. The Park Plaza is connected to the city from Market Street and four major circulation networks merge at this green passive park with ample space for sitting to briefly disconnect prior to entering the tower or to meet colleagues prior to going to lunch.



- ① Market Street Gateway
- ② Sussex Street Gateway
- ③ Outdoor Terrace
- ④ Level 2 Street Connection
- ⑤ Crescent Garden Connection
- ⑥ Northern Park Connection
- ⑦ Wellness Hub
- ⑧ Tower Lobby Entry
- ⑨ Sloped Gardens
- ⑩ 3m wide Park Connector Path
- ⑪ Tucorah Cascade Waterfeature
- ⑫ Visitor Bicycle Parking
- ⑬ Pre-cast concrete Noise Wall with climbing plants
- ⑭ Quiet Seating Space
- ⑮ Small Trees in Pots

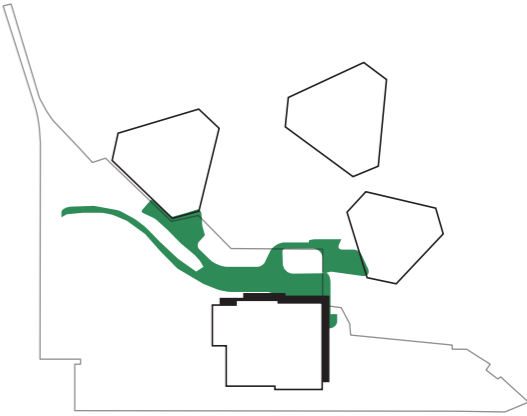
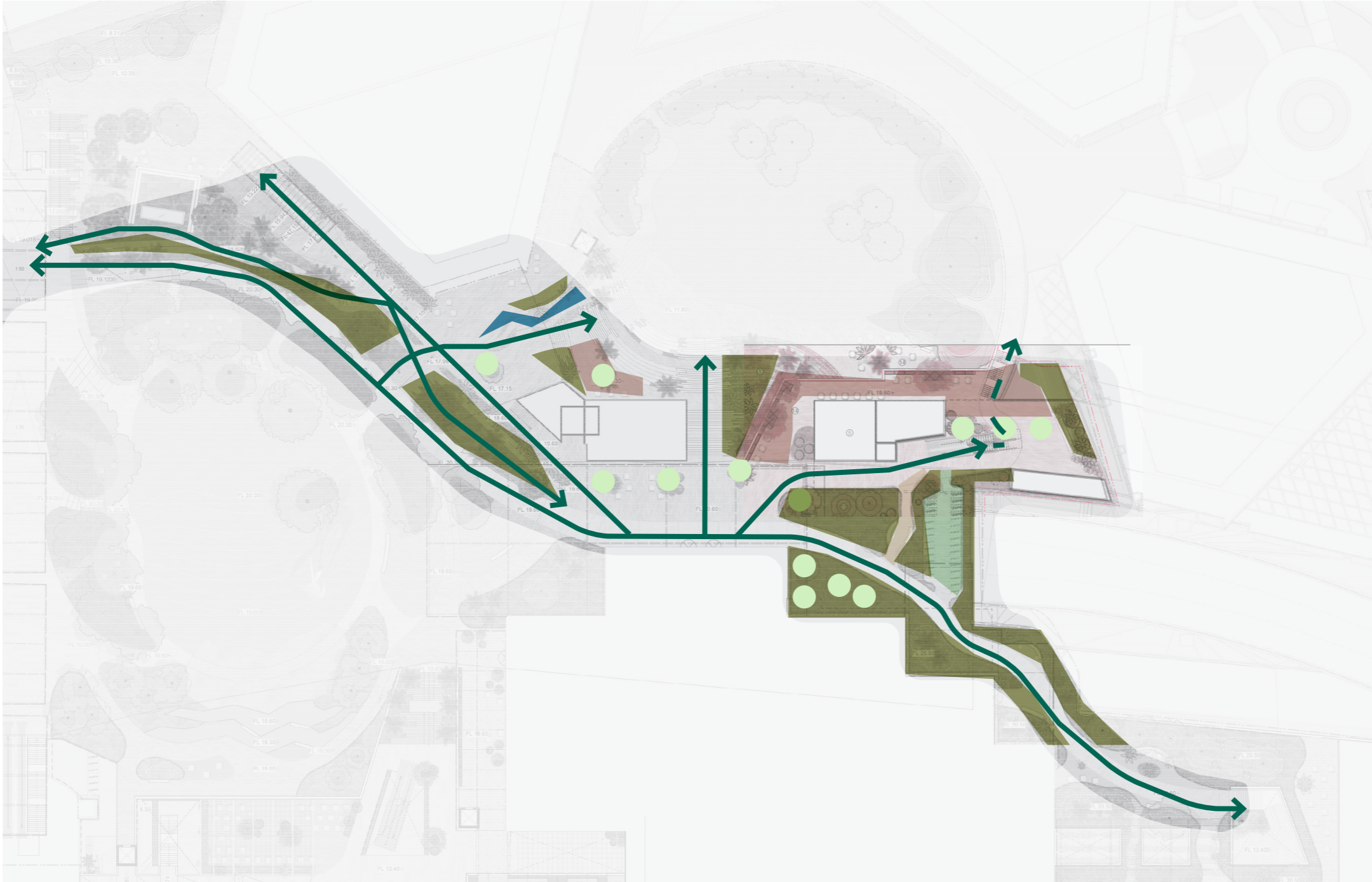









Landscape Plan

# 3.6. Open Space, Public Domain & Landscape

## Park Plaza

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for the Park Plaza.



-  Key Pedestrian Flows
-  Trees in Pots
-  Gardens
-  Water
-  Outdoor Dining Terrace
-  Crushed Sandstone Seating Areas
-  Bicycle Parking



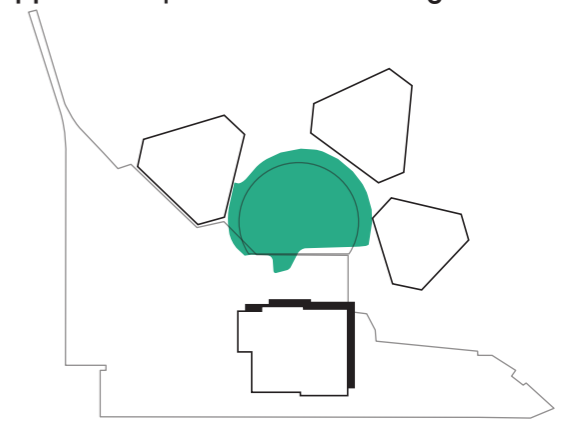
Park Programme & Features

### 3.6. Open Space, Public Domain & Landscape

#### Crescent Garden

The Crescent Garden is the key lower park of the project. The existing Garden has been redesigned in order to provide a better balance of gardens and flexible space with a wellness and entertainment programme. The new Crescent Gardens contains a large organic shaped lawn surrounded with terraced planting. The planted fringes of the lawn contain a myriad of intimate places allowing users to be immersed in a

garden experience with quiet seating areas. The stair connections to the Tower Lobby Park and the DP1 future Lobby entry also function as an amphitheatre garden stair should performance events be staged in the park.



- ① Darling Park Tower 01
- ② Darling Park Tower 02
- ③ Darling Park Tower 03
- ④ Sussex Street Connection
- ⑤ Wellness Hub
- ⑥ Sloped Gardens
- ⑦ Tucorah Cascade Waterfeature
- ⑧ Waterfeature Pool
- ⑨ Amphitheatre Steps
- ⑩ Abalone Shaped Lawn
- ⑪ Canopy Trees
- ⑫ Native Flowering Gardens
- ⑬ Outdoor Dining
- ⑭ Small Trees in Pots

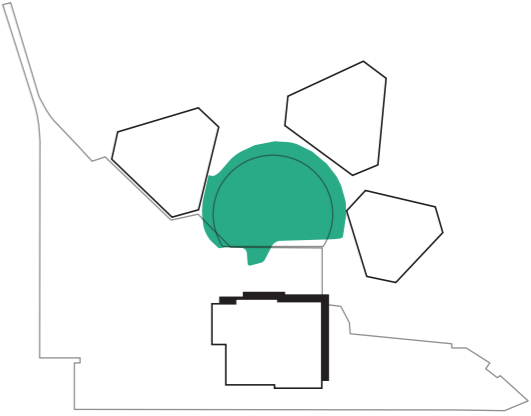
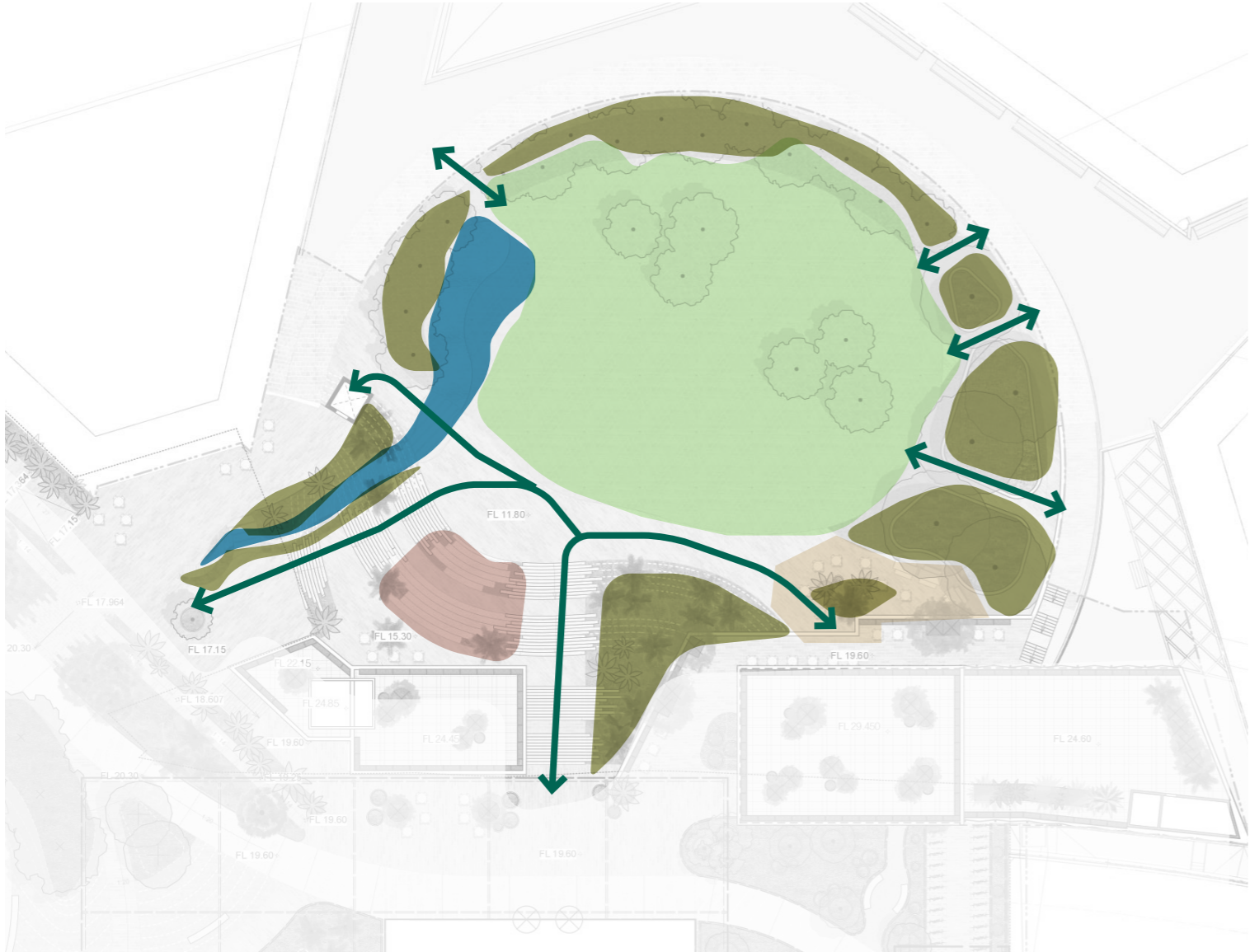








Landscape Plan

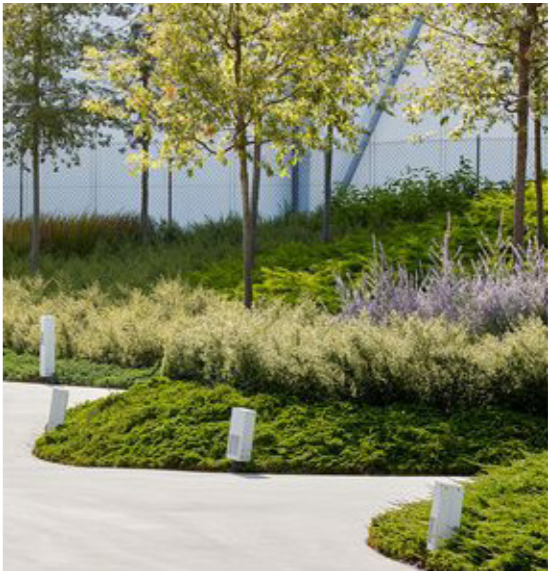
# 3.6. Open Space, Public Domain & Landscape

## Crescent Garden

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for the Crescent Garden.



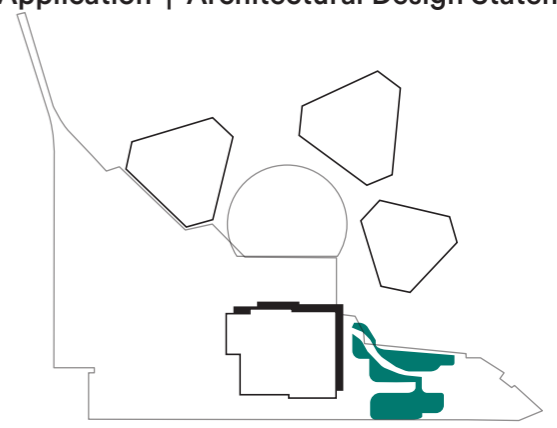
-  Key Pedestrian Flows
-  Lawn
-  Gardens
-  Water
-  Amphitheatre Steps
-  Outdoor Dining



### 3.6. Open Space, Public Domain & Landscape

#### Southern Park

The Southern Park sits upon on if the multitude of podium terraces, reminiscent of Sydney harbour sandstone cliffs. The Southern Park overlooks Cockle Bay meshing the internal and external environments together into a series of public green outdoor rooms and gardens providing space for relaxing, meeting and casual seating.



- ① Park Connector Path
- ② Stair to Level 2 Street
- ③ Skylight Voids to Level 2
- ④ Pergola
- ⑤ Communal Seating
- ⑥ Quiet Seating
- ⑦ Canopy Trees in mounds
- ⑧ Small Trees in Pots
- ⑨ Retail Outdoor Dining
- ⑩ Lift

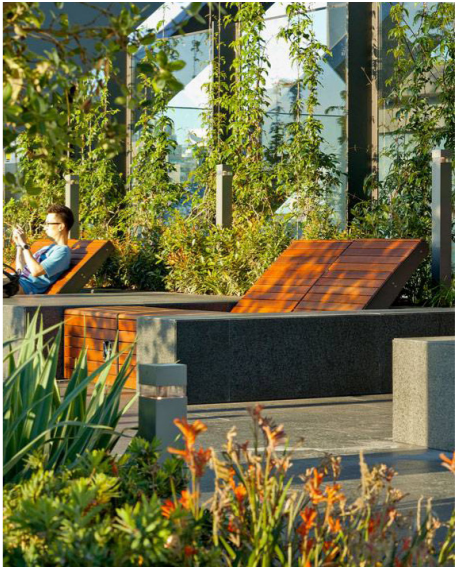
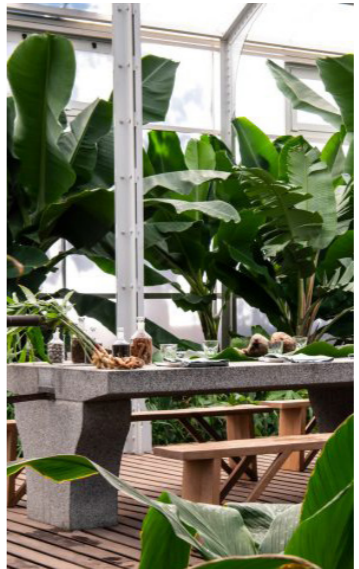
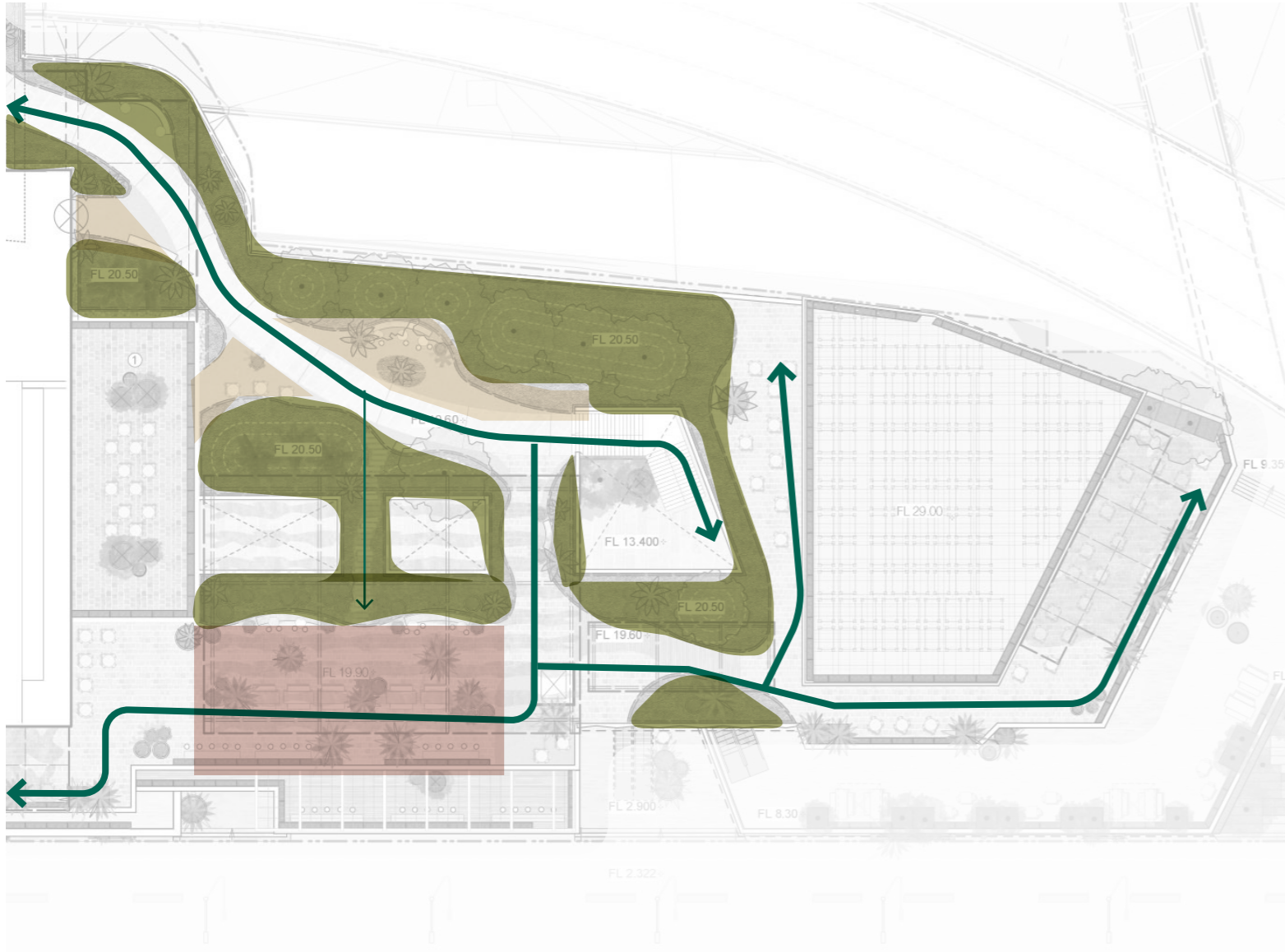
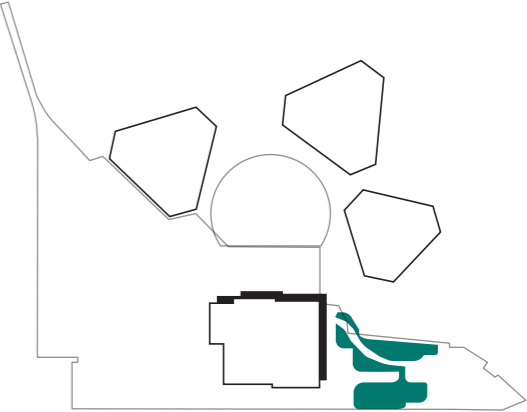
Landscape Plan







# 3.6. Open Space, Public Domain & Landscape

## Southern Park

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for the Southern Park.



-  Key Pedestrian Flows
-  Mounded Gardens
-  Crushed Sandstone Seating Areas
-  Communal Seating

Park Programme & Features

Southern Park



Park Connector Path looking south west towards Southern Park

### 3.6. Open Space, Public Domain & Landscape

#### Southern Park

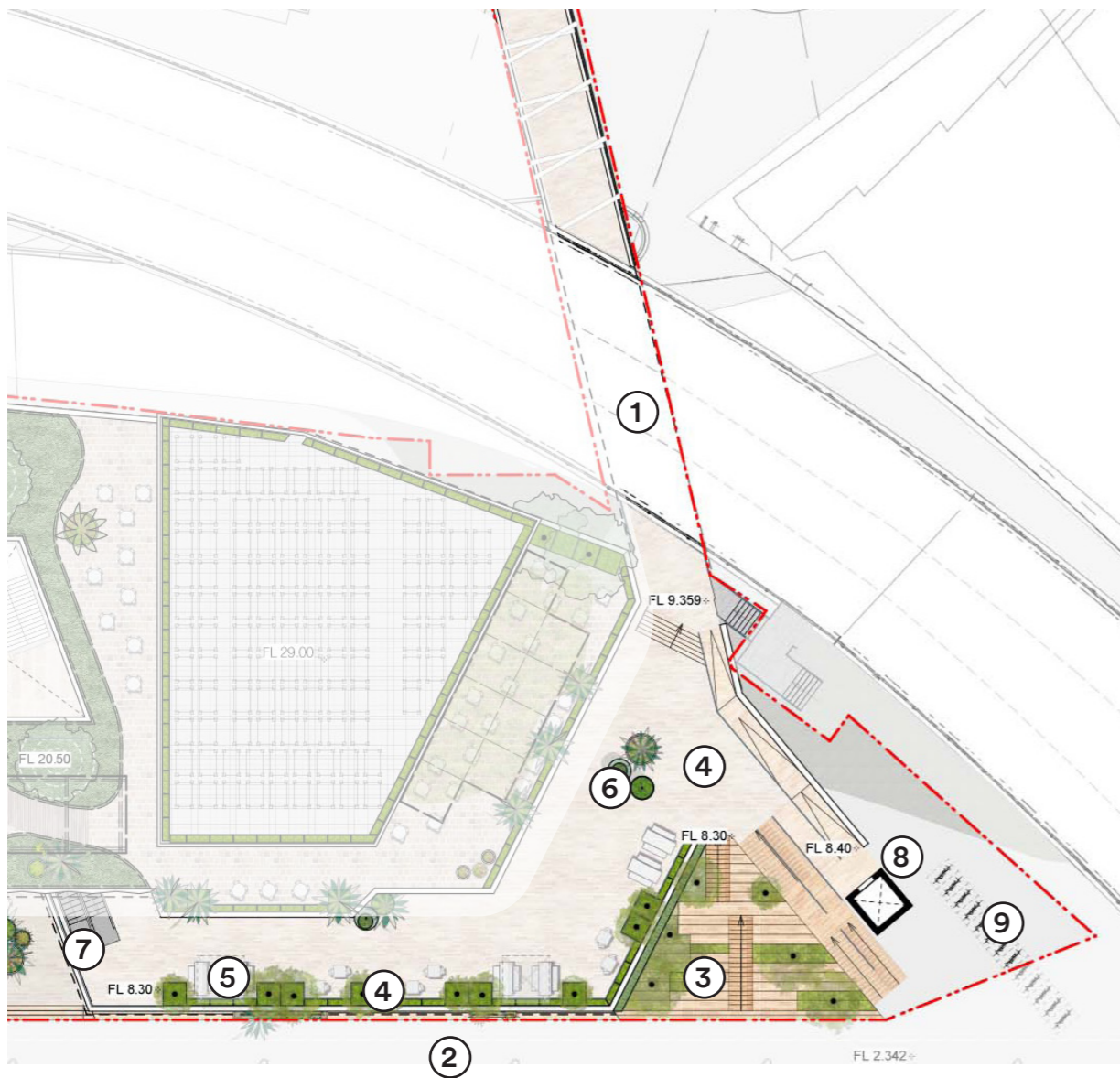
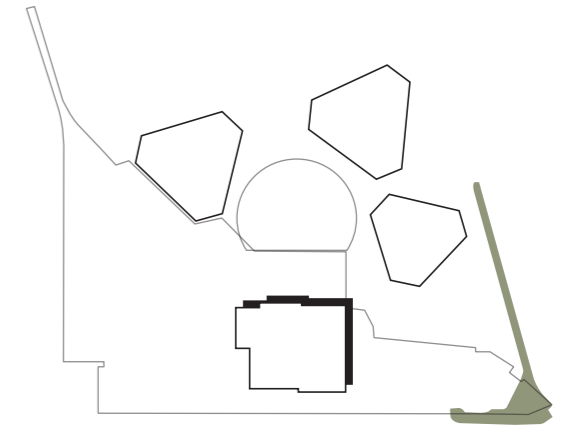


Entering the Southern Park looking south west

### 3.6. Open Space, Public Domain & Landscape

#### Druitt Street Plaza and Bridge

The Druitt Street Bridge provides an important pedestrian connection to Cockle Bay from Townhall Station with a pedestrian bridge. It also connects users to the Terraces and lands in a plaza shaded by trees with seating convenient for catch ups and social interactions.



- ① Existing Druitt Street Footbridge
- ② Darling Harbour Promenade
- ③ Garden Stair
- ④ Trees in Planters
- ⑤ Outdoor Dining
- ⑥ Quiet Seating
- ⑦ Access to Level 2 Street
- ⑧ Lift
- ⑨ Visitor Bike Parking

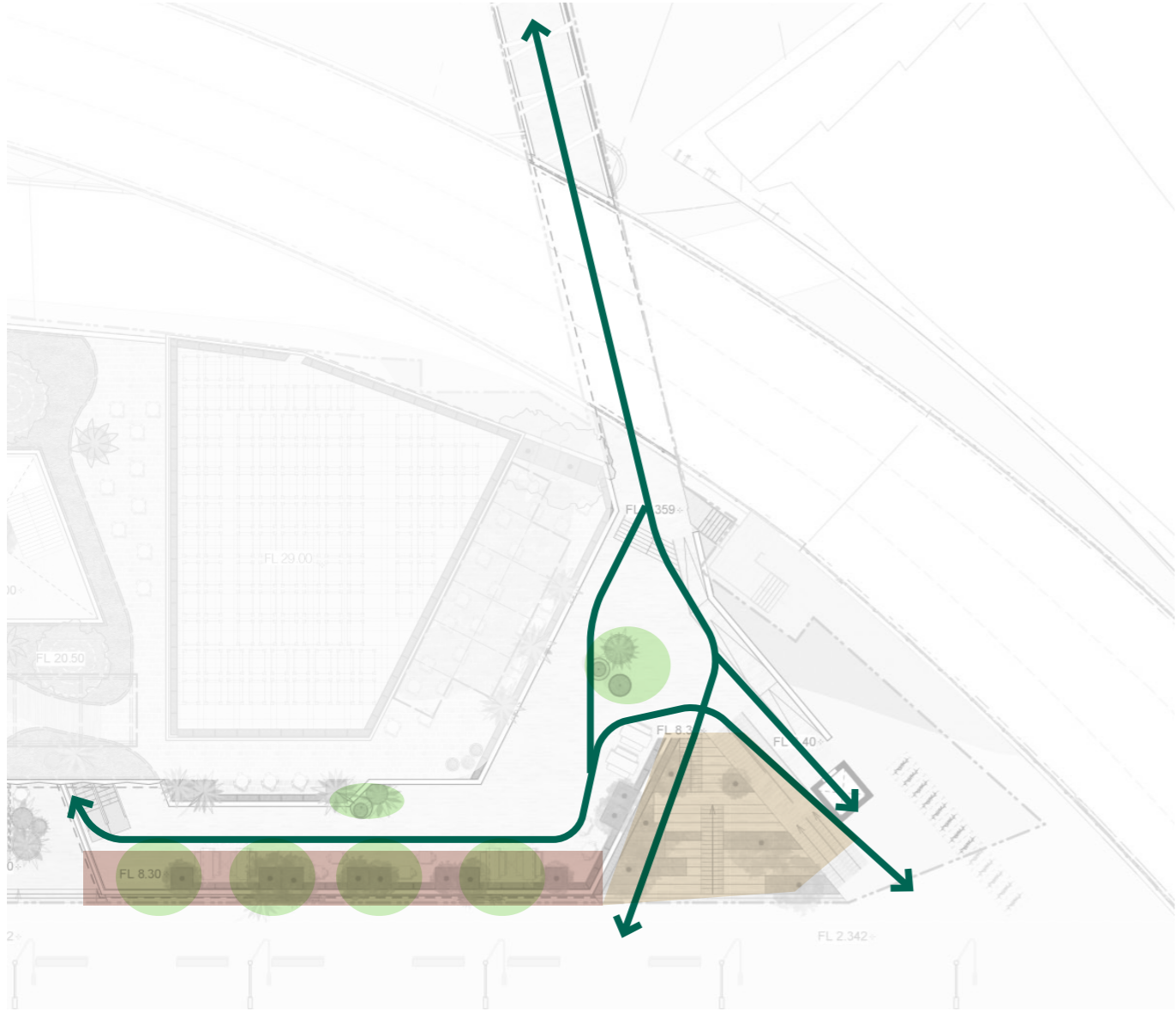
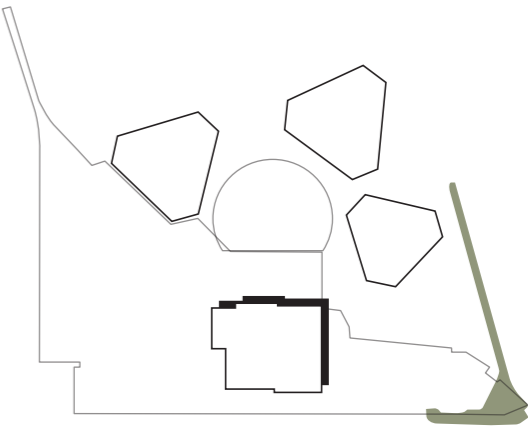






Landscape Plan

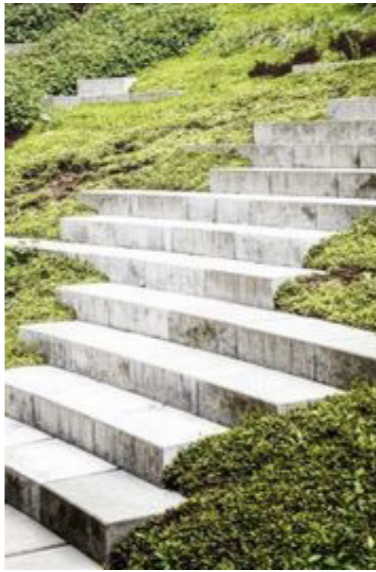
### 3.6. Open Space, Public Domain & Landscape

#### Druitt Street Plaza and Bridge

To complement the illustrative plan, the below diagram illustrates the key connective pedestrian flows and various functional zones for the Druitt Street Plaza and Bridge



-  Key Pedestrian Flows
-  Trees in Pots
-  Outdoor Dining Terrace
-  Garden Stair



### 3.6. Open Space, Public Domain & Landscape

## Planting Palettes - Gadigal Six Seasons

To compliment the variety of planting species palettes included in following pages, the below key species aligned to the Gadigal Six Seasons will be planted within the gardens of the Northern Park. These garden bed displays will form part of the practical application of our Connection to Country narrative and aspiration,



**Weetjellan**  
*Acacia implexa*

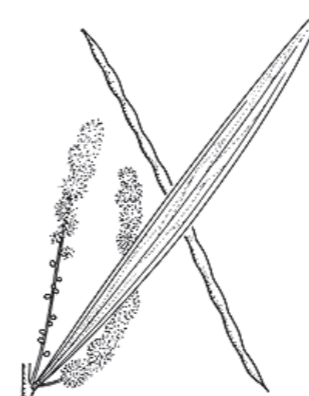
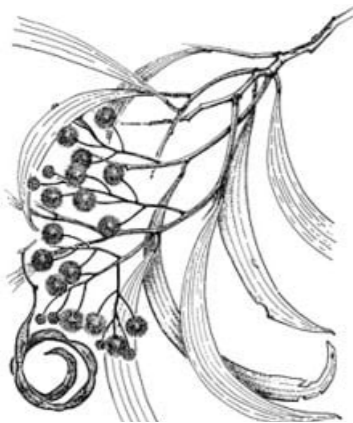
**Lillypilly**  
*Syzygium smithi*

**Burringoa**  
*Eucalyptus tereticornis*

**Marraiúo**  
*Acacia floribunda*

**Boo'kerrikin**  
*Acacia decurrans*

**Miwa Gawaian**  
*Telopea specio*



**Burran**  
Hot and dry  
January-March

**Marrai'gang**  
Wet becoming cool  
April-June

**Burrugin**  
Cold and frosty  
June-July

**Wiritjiribin**  
Cold and windy  
July-August

**Ngoonungi**  
Cool becoming warm  
September-October

Male kangaroos aggressive  
Meat forbidden  
Weetjellan blooming

Quolls seeking mates  
Lillypilly ripens

Echidna seeking mates  
Burringoa flowering  
Shellfish forbidden

Lyrebird building mounds  
Marrai'uo flowering  
Boo'kerrikin flowering  
Gentle spring rains

Flying foxes appear  
Ceremonial time  
Miwa Gawaian in flower

### 3.6. Open Space, Public Domain & Landscape

#### Indicative Planting Palettes - Hawkesbury Sandstone Forest

TREE CANOPY LAYER



*Banksia integrifolia*



*Elaeocarpus reticulatus*



*Eucalyptus haemastoma*

SHRUB LAYER



*Acacia spp*



*Banksia spp.*



*Dillwynia spp*

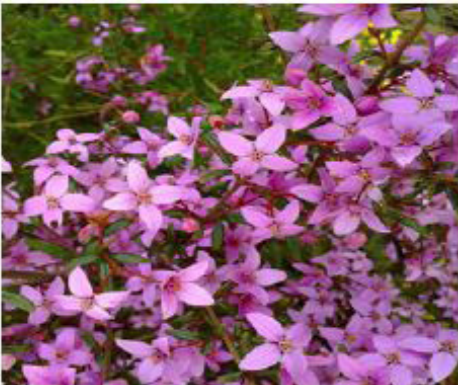


*Leptospermum spp*

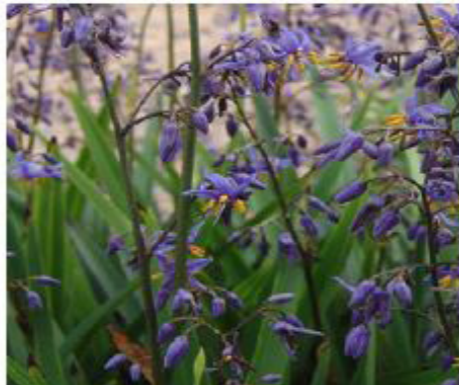


*Persoonia spp*

GROUND COVER LAYER



*Boronia spp.*



*Dianella spp.*



*Lomandra spp.*



*Microlaena stipoides*



*Pteridium esculentum*

## Indicative Planting Palettes - Hawkesbury Sandstone Heathland/Escarpment

#### SMALL SHRUB LAYER



*Banksia spp*



*Kunzea spp*



*Leptospermum spp*



*Philotheca buxifolia*



*Westringia spp*

#### GRASS LAYER



*Dianella spp*



*Lomandra spp*



*Pennisetum spp*



*Poa labillardieri*

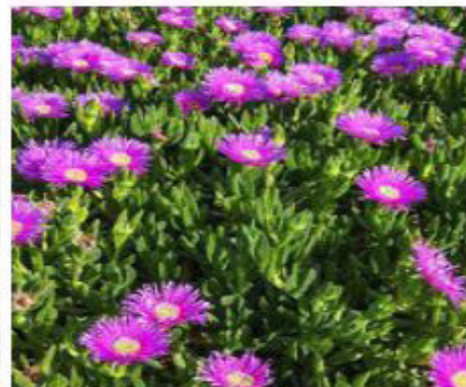


*Themeda australis*

#### GROUND COVER LAYER



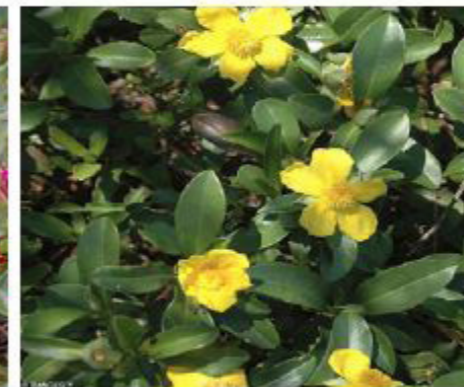
*Actinotus helianthi*



*Carpobrotus glaucescens*



*Grevillea spp*



*Hibbertia spp*



*Wahlenbergia spp*

### 3.6. Open Space, Public Domain & Landscape

#### Indicative Planting Palettes - Wet Fern Gully/Wet Hanging Garden/Cascading Gardens

TREE CANOPY LAYER



*Livistonia australia*



*Tristaniopsis laurina*



*Dicksonia antarctica*



*Melicope micrococca*



*Cyathea cooperi*

FERN/SHRUB LAYER



*Blechnum cartilagineum*



*Asplenium australasicum*



*Ceratopetalum gummiferum*



*Boronia ledifolia*



*Backhousia myrtifolia*

CLIMBER/GROUND COVER LAYER



*Pandorea pandorana*



*Kennedia rubicunda*



*Viola hederacea*



*Hardenbergia violacea*



*Cissus antarctica*

Indicative Planting Palettes - Coastal Gardens

TREE CANOPY LAYER



*Banksia integrifolia*



*Agonis flexuosa*



*Callistemon viminalis*



*Angophora hispida*



*Hakea salicifolia*

SHRUB LAYER



*Actinotus helianthi*



*Chamelaucium uncinatum*



*Westringia fruticosa*



*Indigofera australis*



*Leptospermum laevigatum*

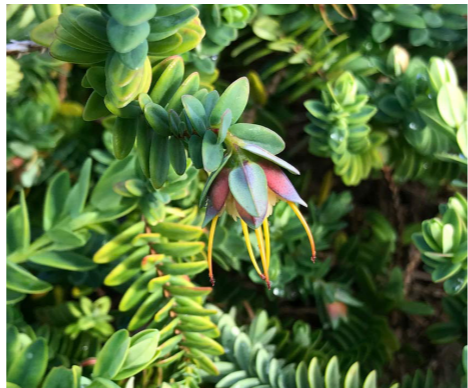
GROUND COVER LAYER



*Scaevola calendulacea*



*Leucophyta brownii*



*Darwinia citriodora*



*Carpobrotus rossi*



*Pimelea spectabilis*

### 3.6. Open Space, Public Domain & Landscape

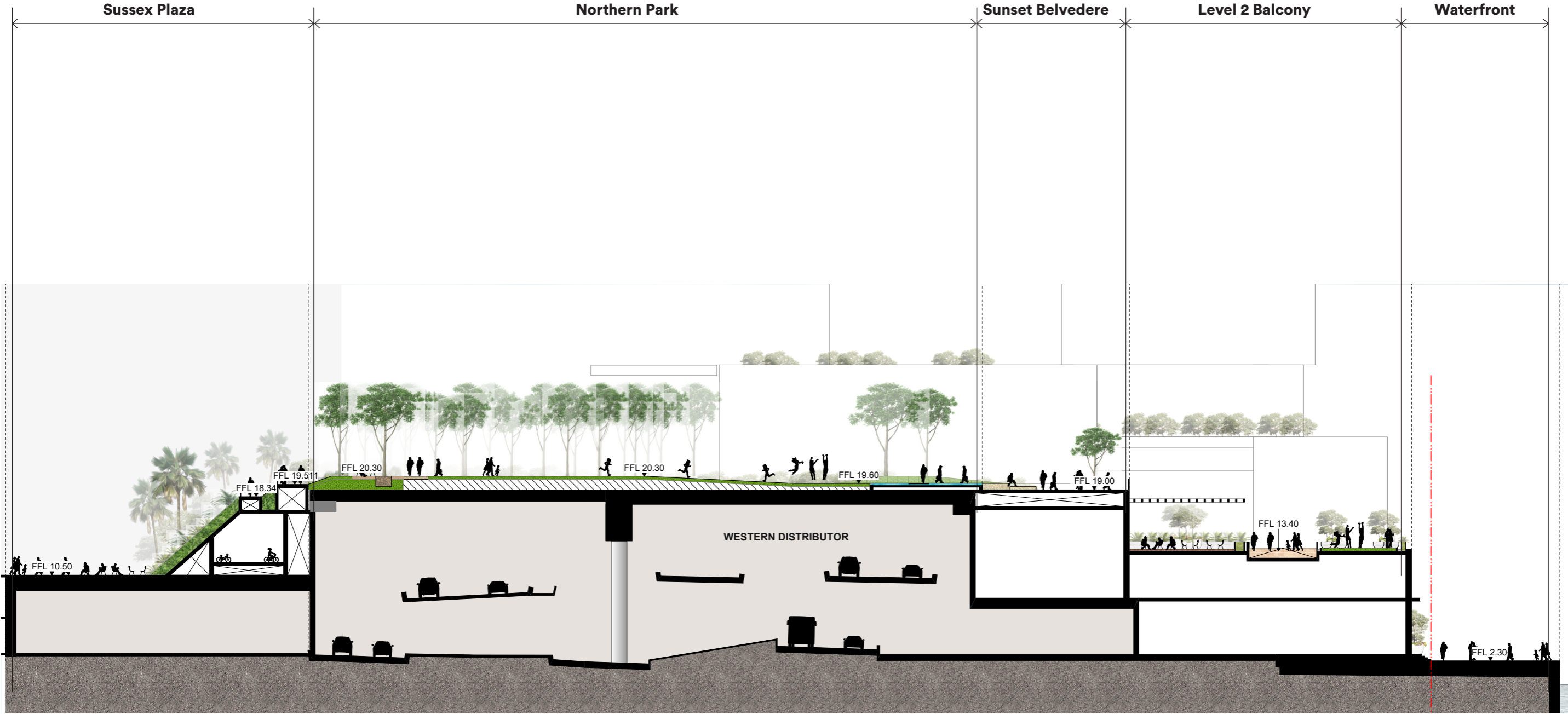
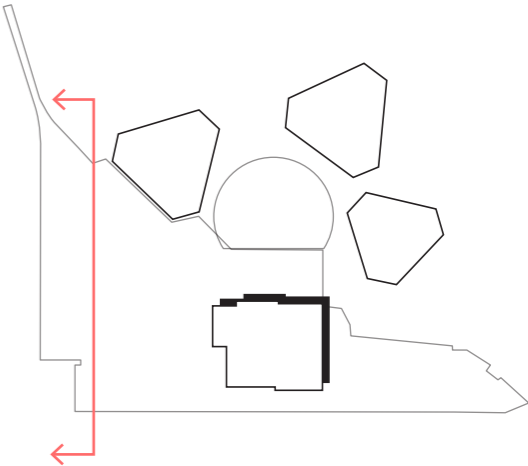
# Landscape Sections

This section provides detail on the topography and physical make up of various areas of the Landscape.

# 3.6. Open Space, Public Domain & Landscape

## Site Wide Section

The below site-wide section demonstrates the topography, landscape features and recreational programme of the northern part of the precinct, spanning from the east at Sussex Plaza to the west at the waterfront.

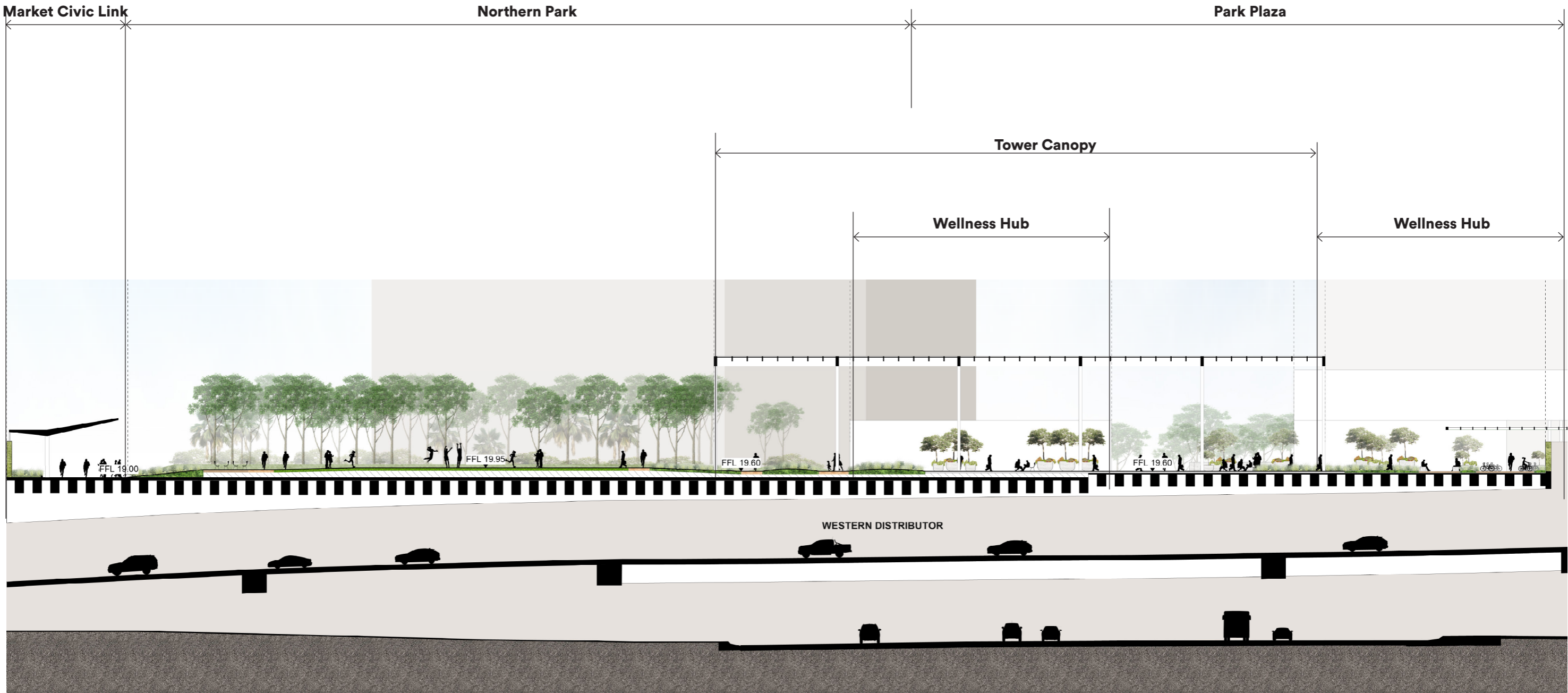
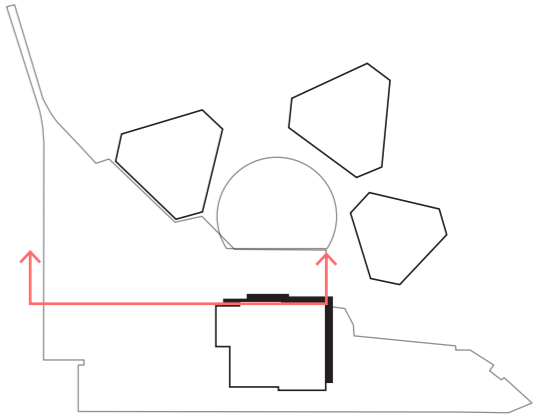


East West Section looking South

# 3.6. Open Space, Public Domain & Landscape

## Site Wide Section

The below site-wide section demonstrates the topography, landscape features and recreational programme of the eastern part of the precinct, spanning from the north at Market Civic Link to the south at the Park Plaza in front of the tower.

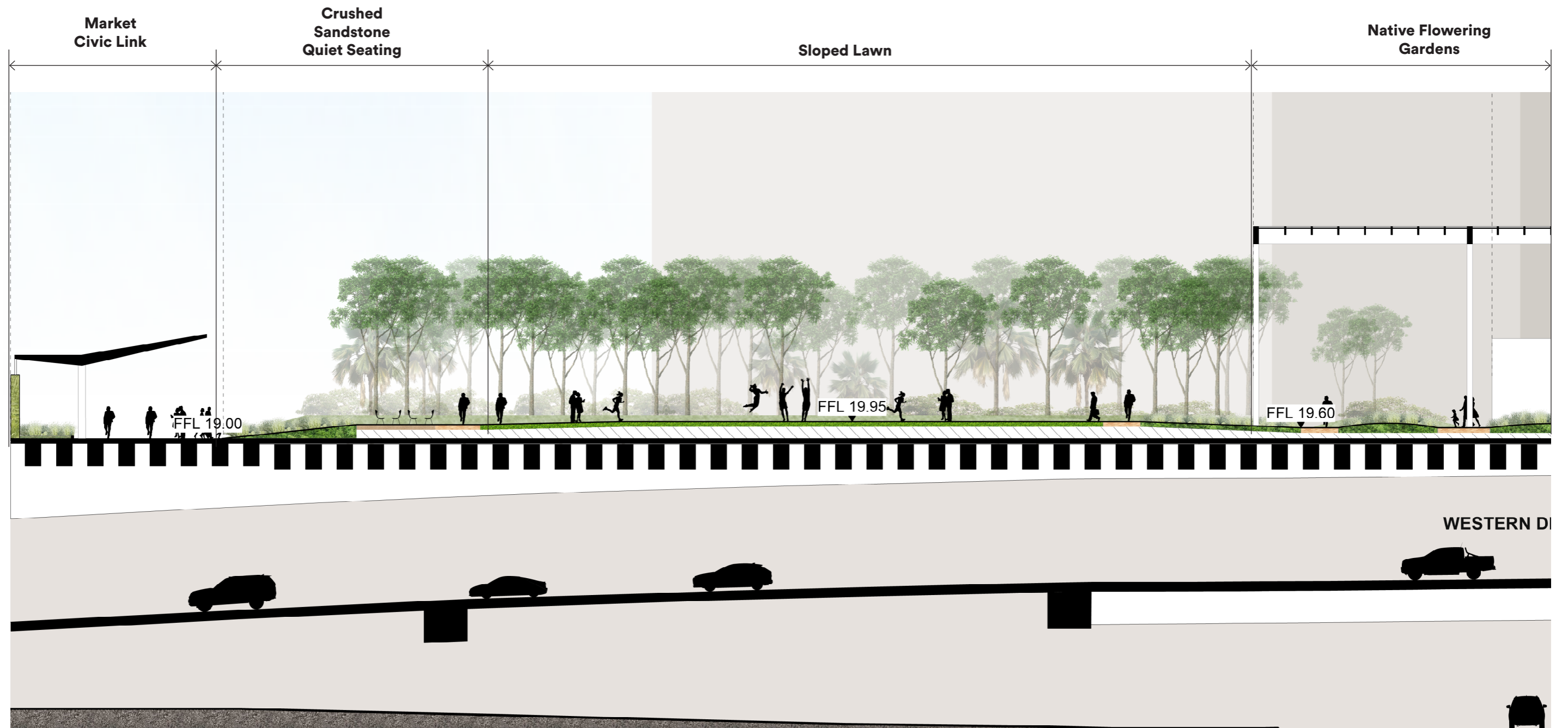
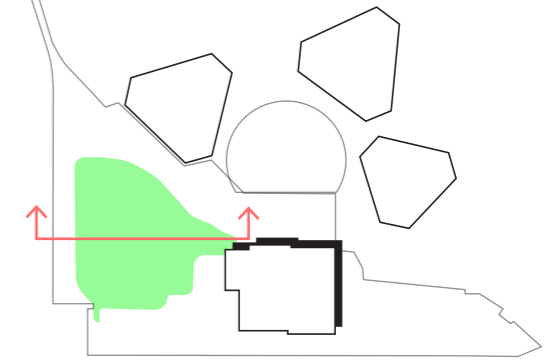


North South Section looking East

### 3.6. Open Space, Public Domain & Landscape

#### Northern Park

The below section demonstrates the topography, landscape features and recreational programme of the Northern Park and Market Civic Link spanning north to south.

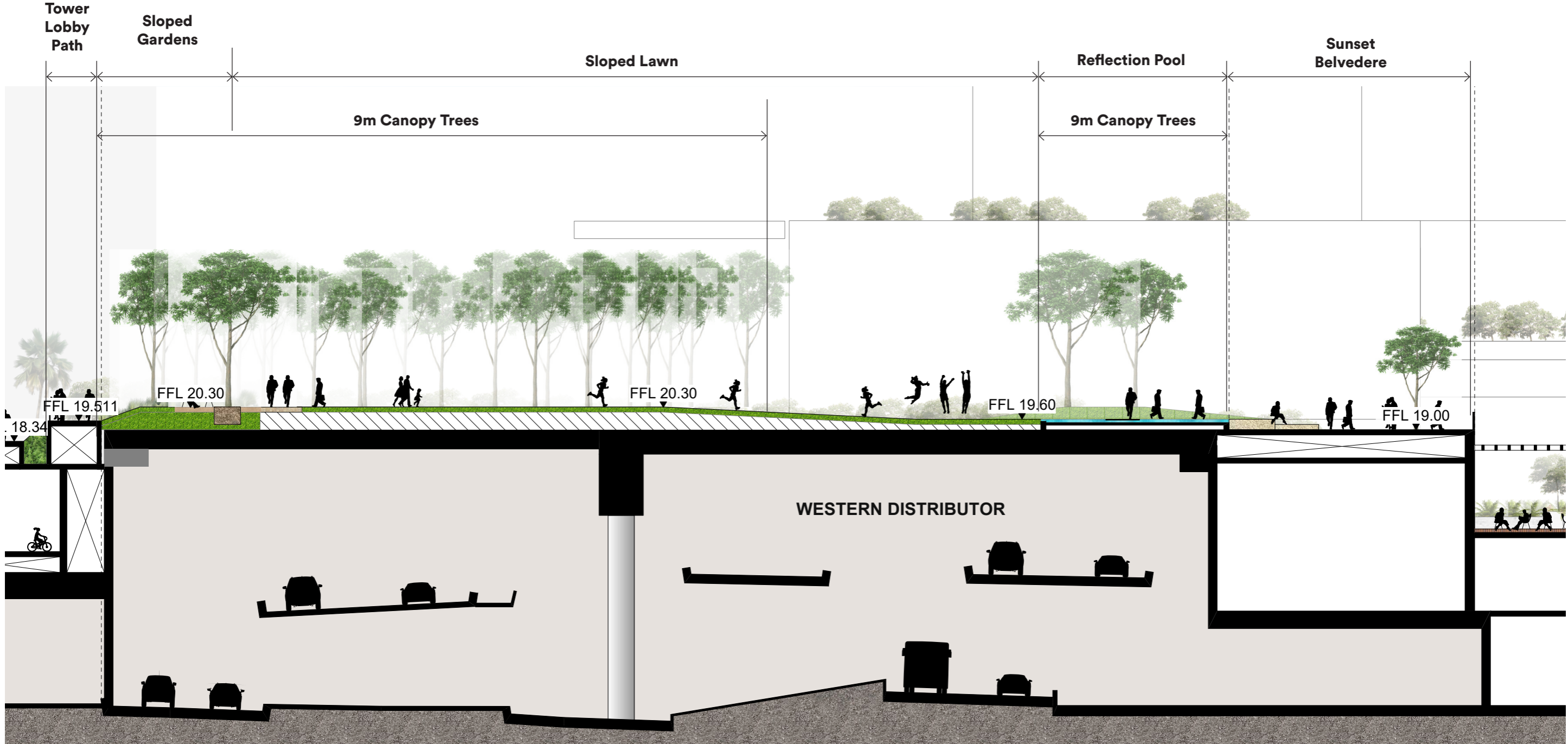
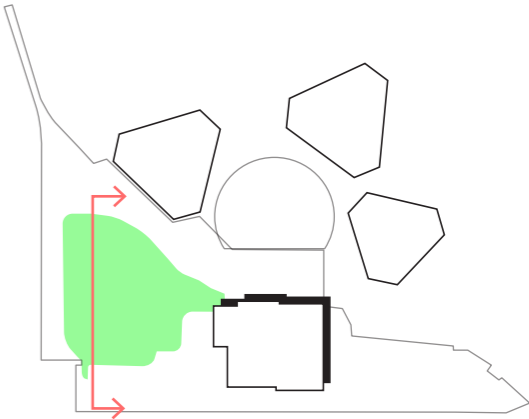


North South Section looking East

# 3.6. Open Space, Public Domain & Landscape

## Northern Park

The below section demonstrates the topography, landscape features and recreational programme of the Northern Park and Market Civic Link spanning east at the tower lobby path to the west at the Sunset Belvedere.

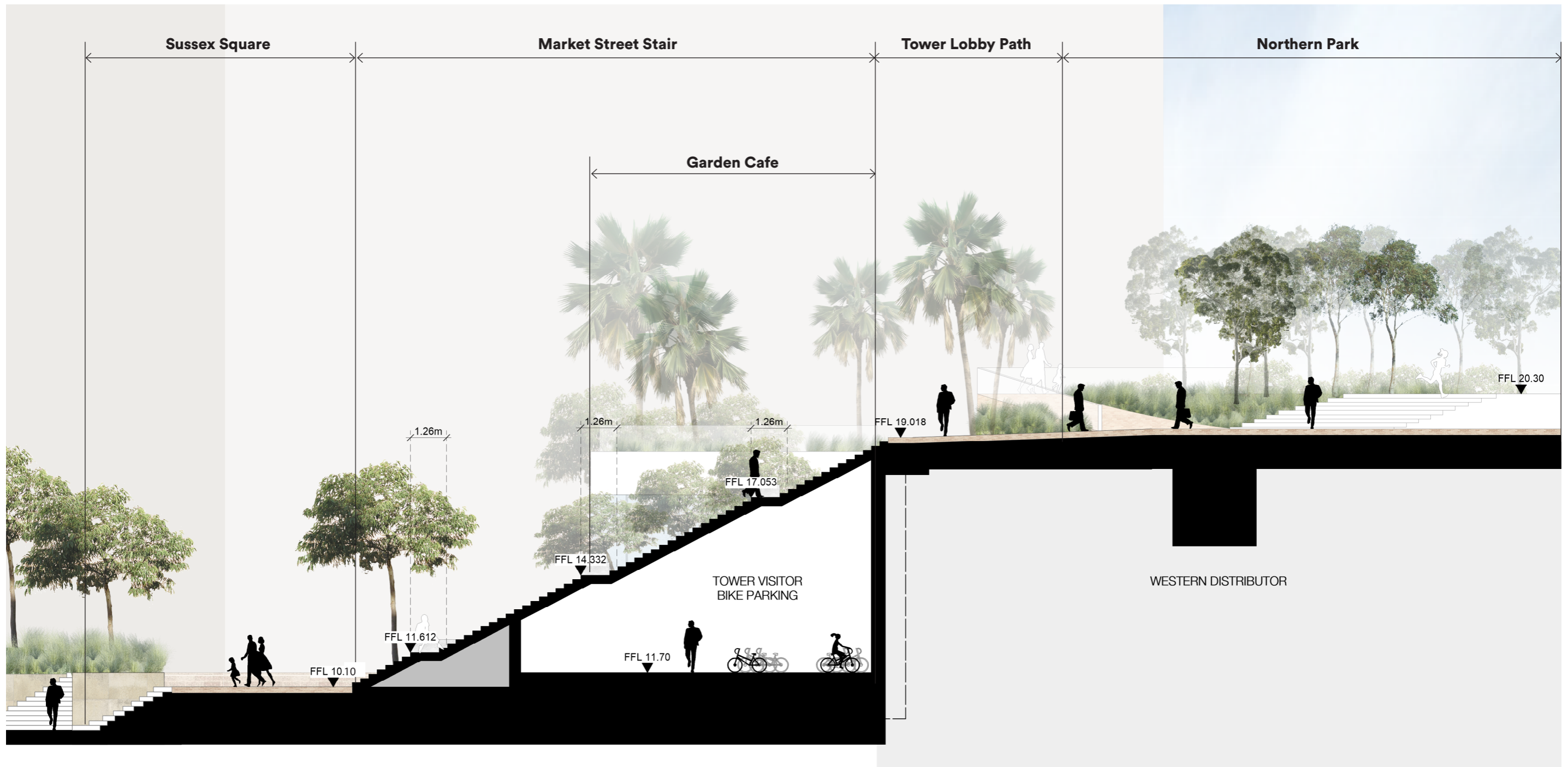
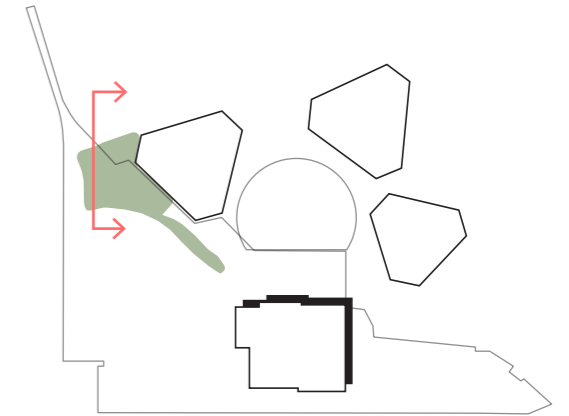


East West Section looking South

### 3.6. Open Space, Public Domain & Landscape

#### Sussex Square

The below section demonstrates the topography, landscape features and recreational programme of Sussex Square spanning east from Sussex Street to the west at the Northern Park, through the Market Street Stair.

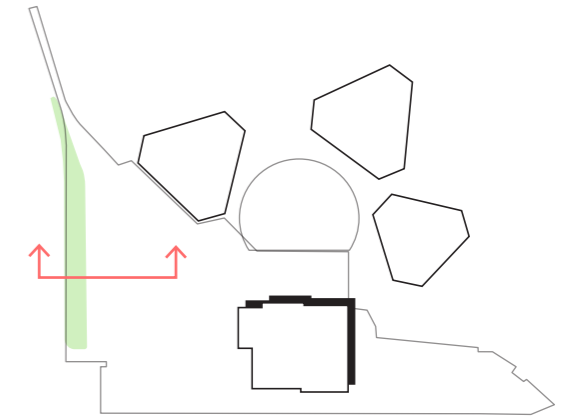


Section East West through Stair Looking South

### 3.6. Open Space, Public Domain & Landscape

#### Market Civic Link

The below section demonstrates the topography, landscape features and recreational programme of Market Civic Link and the northern part of the Northern Park.

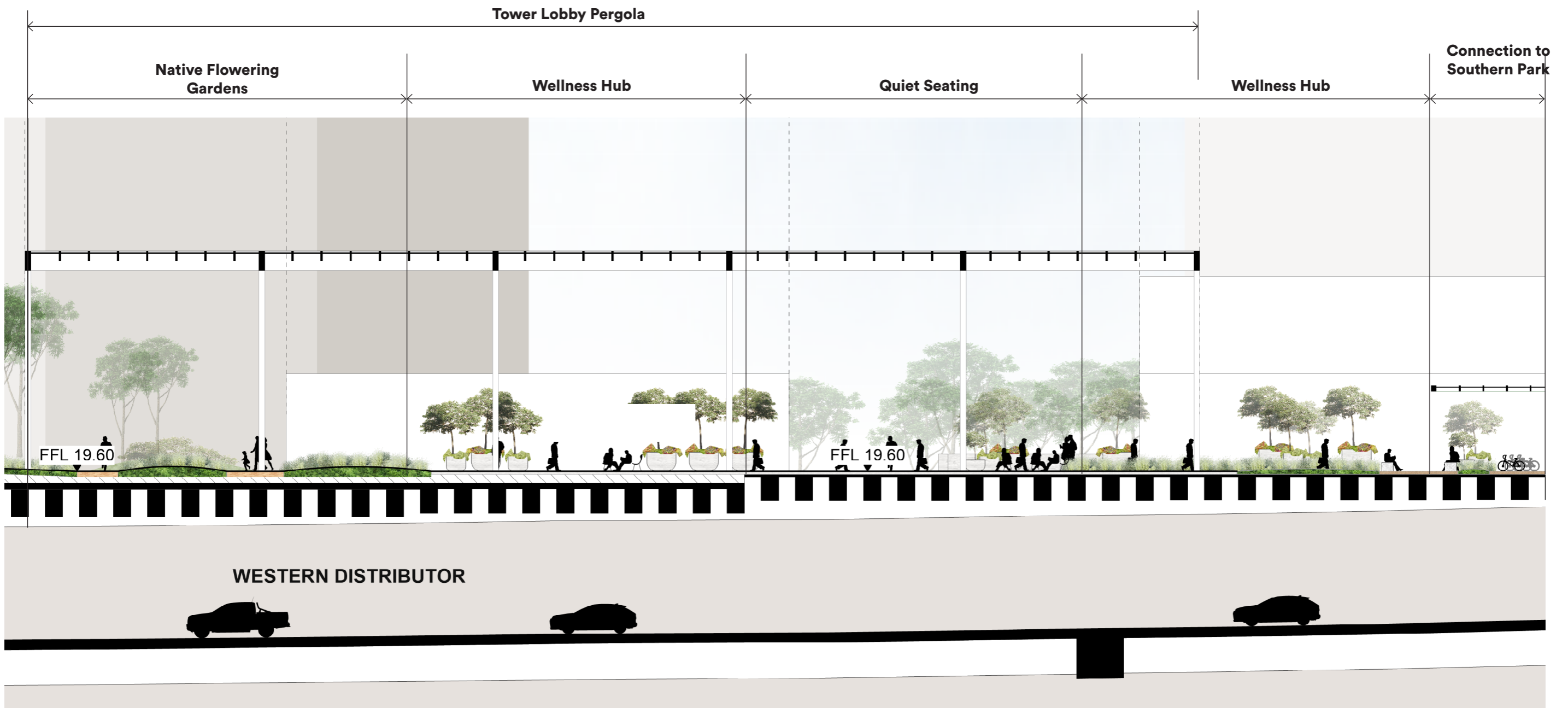
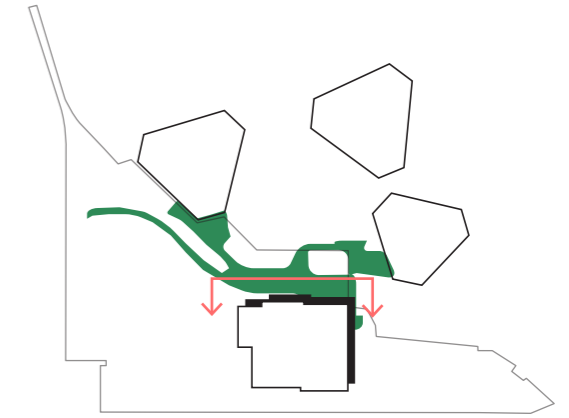


Section North South looking East

### 3.6. Open Space, Public Domain & Landscape

#### Park Plaza

The below section demonstrates the topography, landscape features and recreational programme of Park Plaza spanning east from the edge of the Northern Park to the west at the connection to the Southern Park, looking west towards the tower.

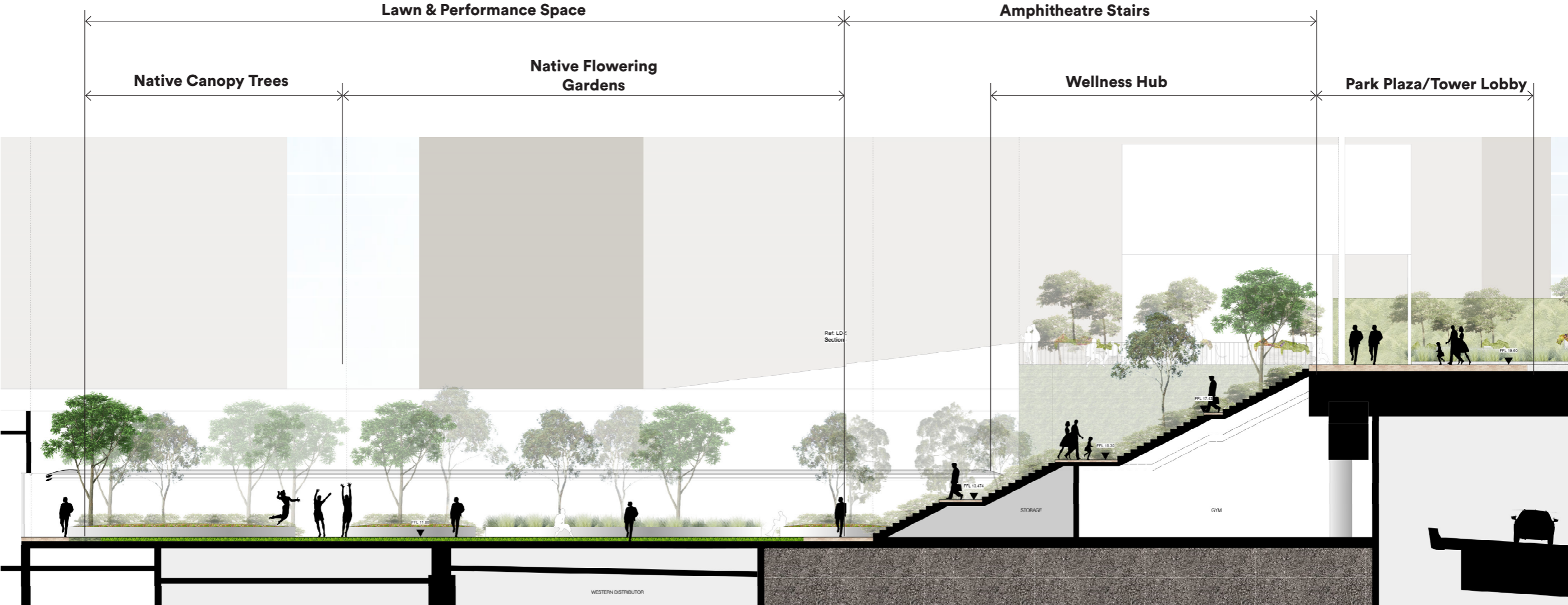
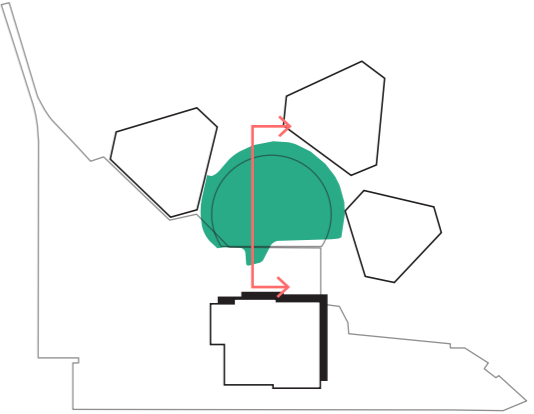


Section North South looking West

# 3.6. Open Space, Public Domain & Landscape

## Crescent Garden

The below section demonstrates the topography, landscape features and recreational programme of Crescent Garden spanning east from the edge of Darling Park Towers and to the west at the Park Plaza in front of the Tower lobby.

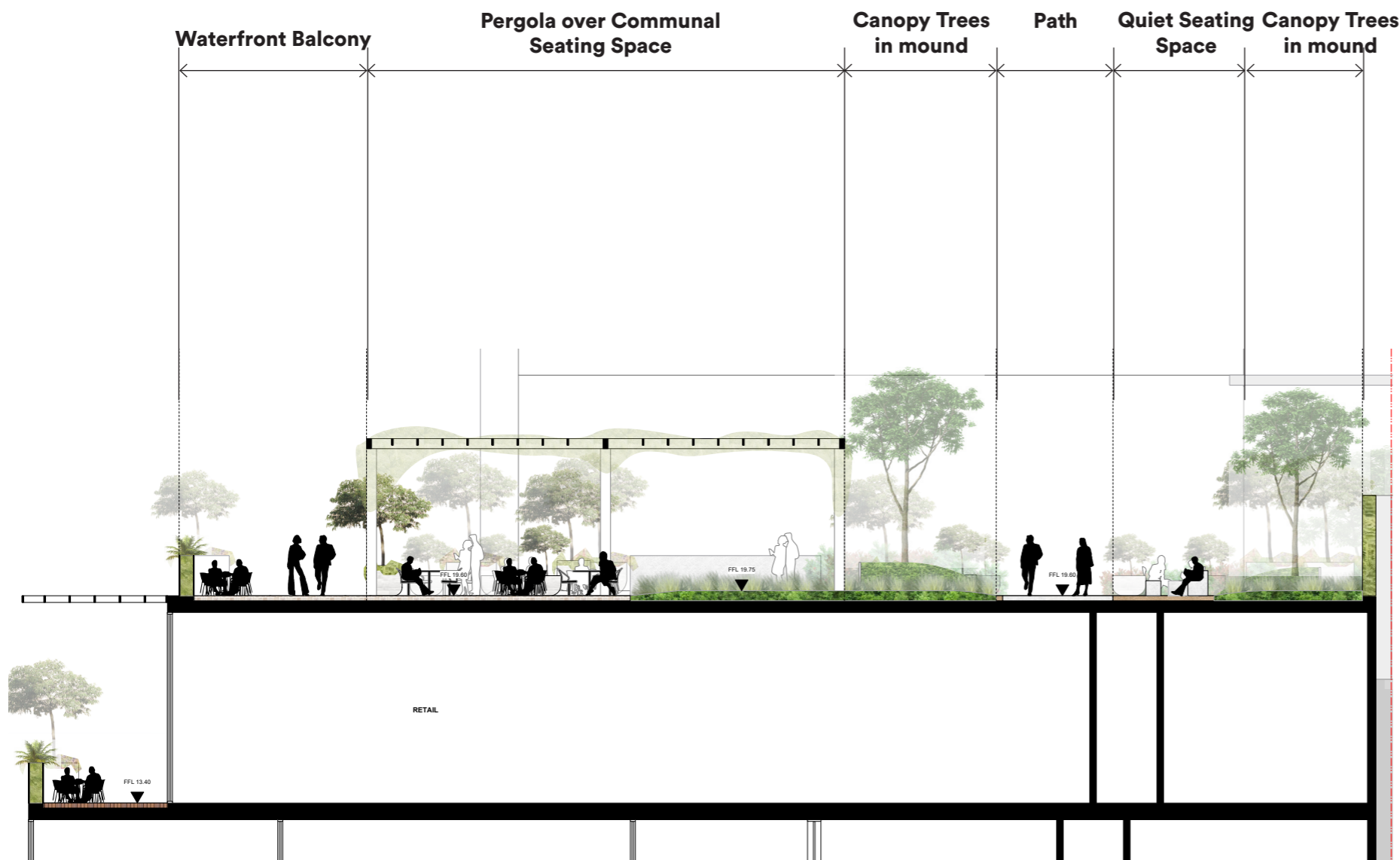
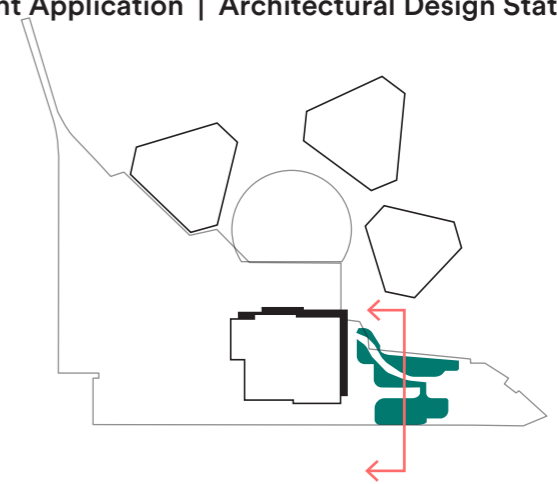


Section East West looking South

### 3.6. Open Space, Public Domain & Landscape

#### Southern Park

The below section demonstrates the topography, landscape features and recreational programme of Southern Park spanning west from the waterfront and to the east at the edge of the podium, looking north towards the tower.

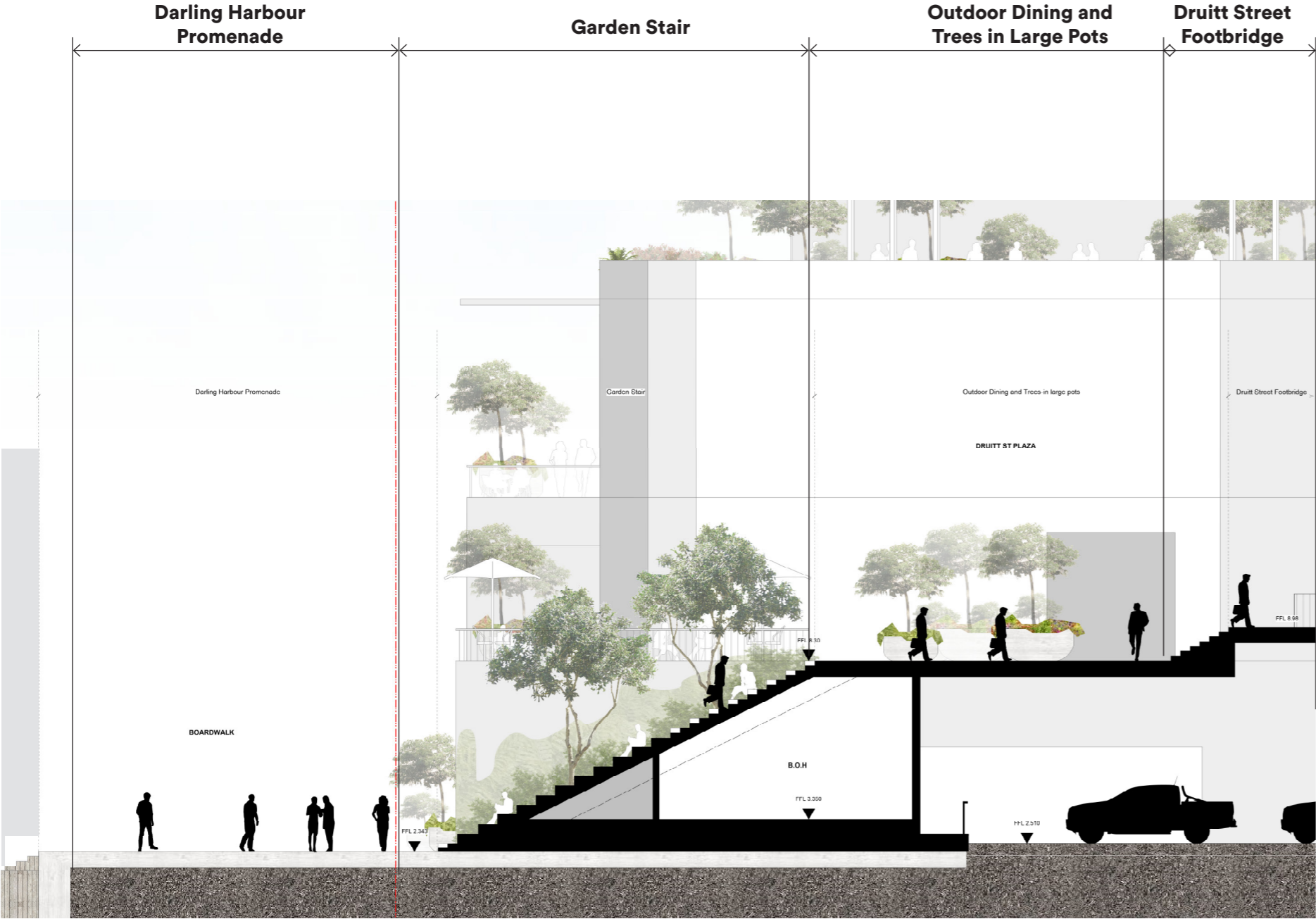


East West Section looking North

# 3.6. Open Space, Public Domain & Landscape

## Druitt Street Plaza and Bridge

The below section demonstrates the topography, landscape features and recreational programme of Druitt Street Plaza and Bridge, spanning west from the waterfront and to the east at the edge of the podium, looking north towards the tower.



Section East West looking North

### 3.6. Open Space, Public Domain & Landscape

#### Typical Landscape Details on Structure

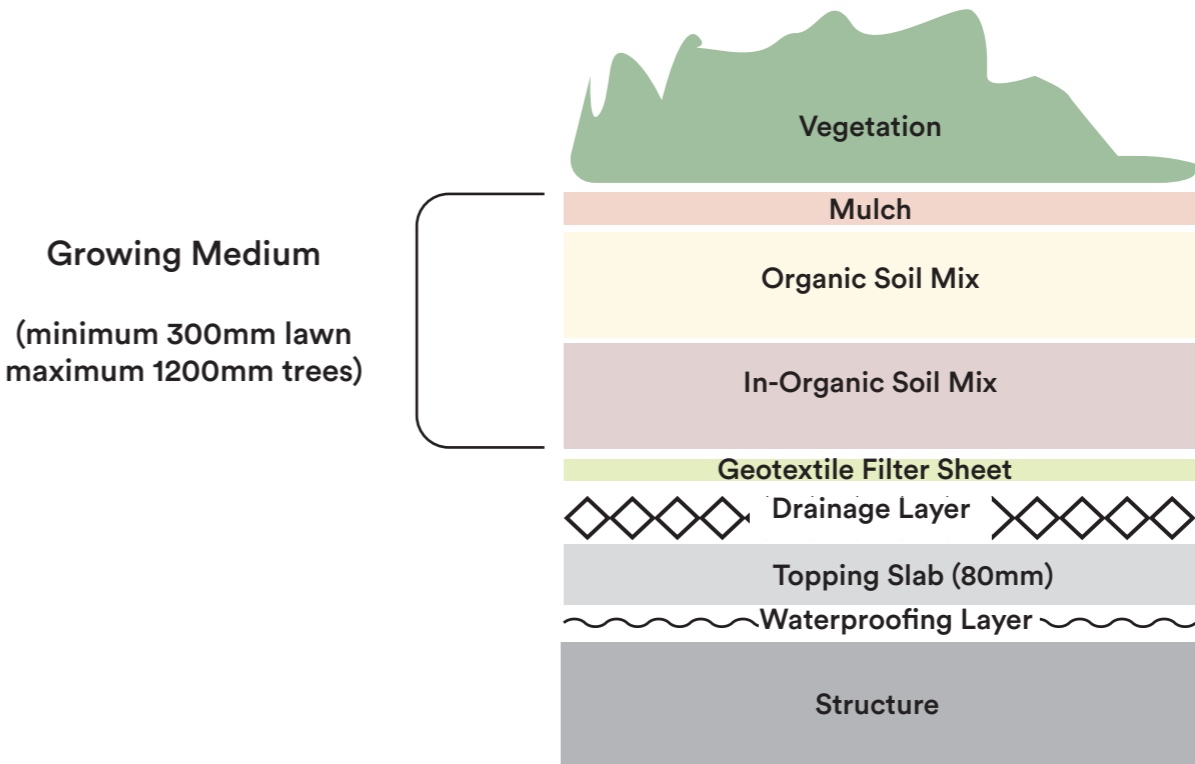
The overall Landscape design will adopt the systems based approach of WSUD including drainage, irrigation and filtering through the landscape.

To ensure a healthy and resilient environment is provided for all vegetation on structure, refer to the design intent for the various layers of hard and soft layers under all planting zones.

The proposed build up is as follows:

- Waterproofing layer - type to be determined
- Topping Slab - to protect the waterproofing layer, a 80mm topping slab is intended
- Drainage Layer - to deal with both draining the planting bed, but also as a landbridge wide drainage system. A drainage cell system is intended, potentially with capillary cones to function as passive irrigation back into the soil.
- Geotextile Filter Sheet - this acts to retain the growing medium (soil), by preventing wash through particles into the drainage layer. A non-woven geotextile filter sheet is intended and can also function as a root barrier
- Growing Medium - this supplies water and nutrients to plant roots, ensures gas exchange at the roots and provides anchorage to support plants. Growing substrate properties and depth are also important as they influence water infiltration, holding capacity and drainage. The type of growing substrate will be studied in further detail in the context of the depth, exposure and thermal loads of the various planting areas across the landbridge and podium
- Vegetation - the vegetation mix will be predominantly native and selected to perform under the varying microclimates across the site. Planting installation is intended to be performed in autumn and winter to assist in establishment before summer.
- Irrigation - it is intended for the entire site to be automatically irrigated. Planning for irrigation will consider the site layout and conditions, plant species, climate and water source.

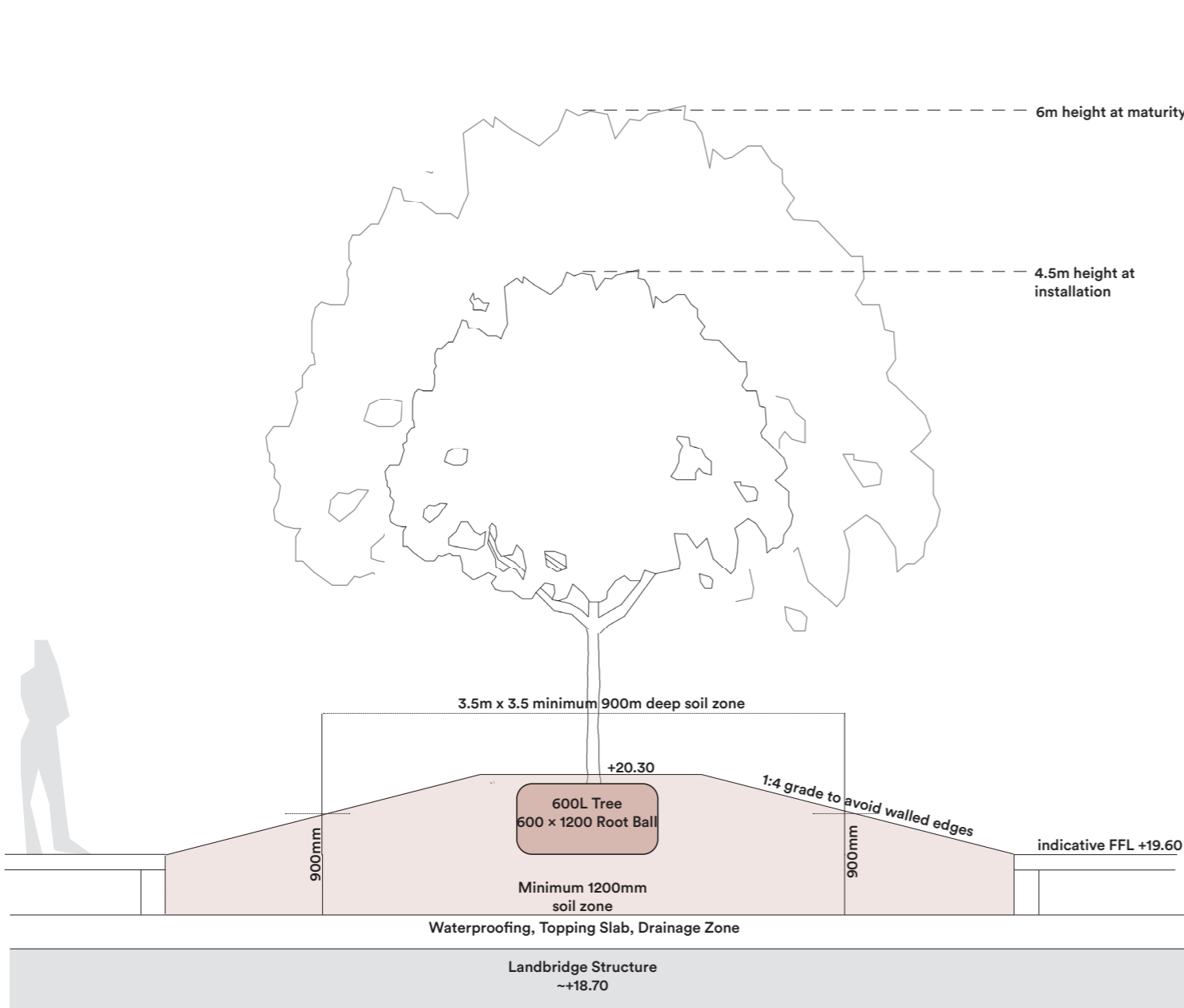
The careful and considered specification of the above materials, selection of hardy and native plant species and a robust and automatic irrigation system with soil moisture sensing will work together to mitigate against any foreseen risks associated with evaporation loss that can be experienced on landbridge structures.



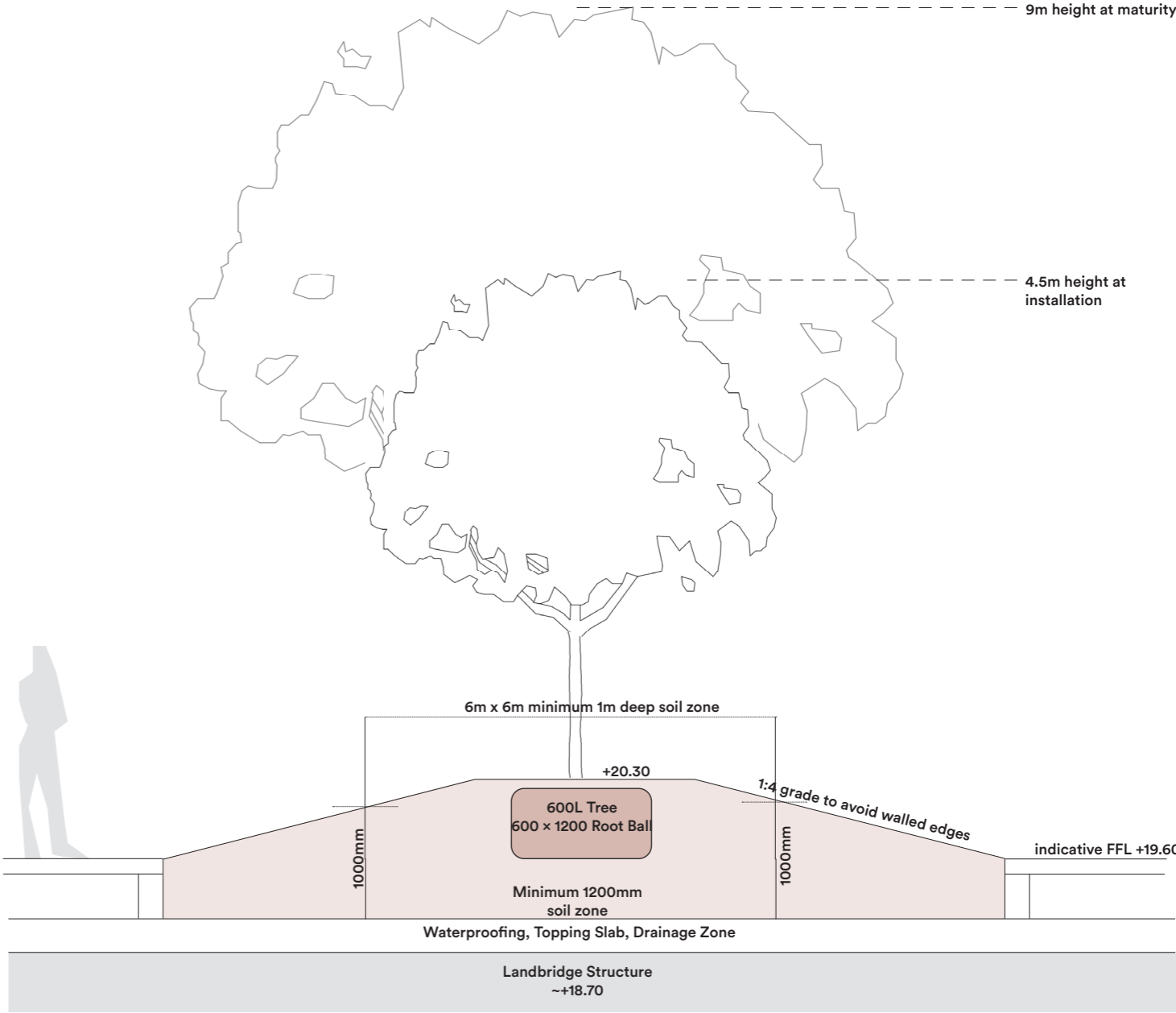
Indicative Proposed Design Intent for Build Up

# 3.6. Open Space, Public Domain & Landscape

## Typical Tree Details on Structure



6m tree Typical Mound Section



9m tree Typical Mound Section

