

Client:



土木工程拓展署
Civil Engineering and
Development Department

Supervising Officer:



ED/2018/01

Kai Tak Development – Stage 4 Infrastructure at the Former Runway and South Apron

Task Force on Kai Tak Harbourfront Development
7 December 2020

ISSUE A

Main Contractor:

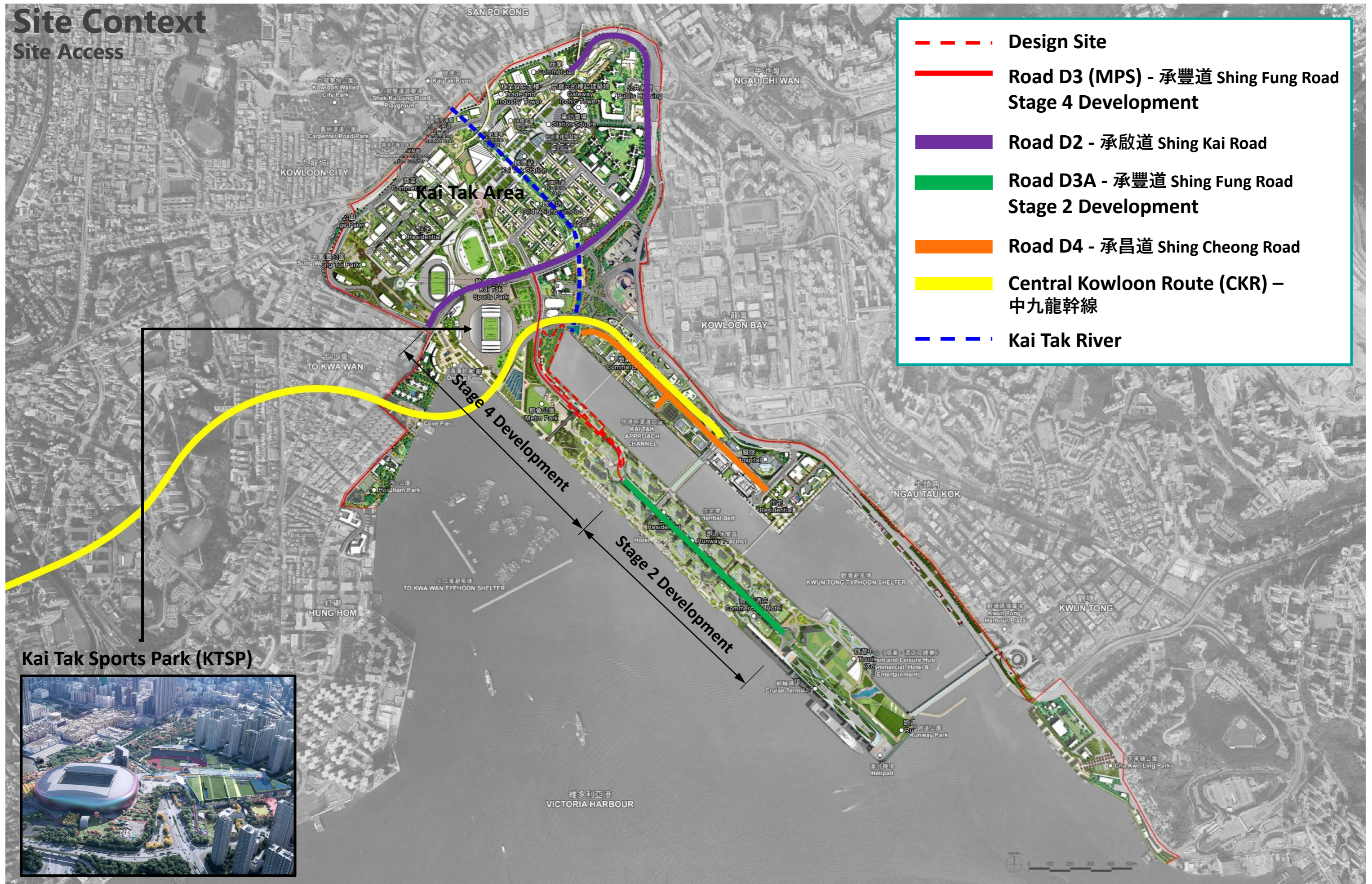


Consultant Teams:



Site Context

Site Access



- - - Design Site
- Road D3 (MPS) - 承豐道 Shing Fung Road Stage 4 Development
- Road D2 - 承啟道 Shing Kai Road
- Road D3A - 承豐道 Shing Fung Road Stage 2 Development
- Road D4 - 承昌道 Shing Cheong Road
- Central Kowloon Route (CKR) - 中九龍幹線
- - - Kai Tak River

Kai Tak Sports Park (KTSP)



Site Context




Connectivity



Public Transit and Pedestrian Connectivity:

- Network of pedestrian routes from all directions
- Bounded by major roads such as PERE and Kwun Tong Bypass
- Pedestrian circulation has been designed to maximize accessibility to the new development area from the hinterland through an integrated network of open space, at-grade connections, footbridges and subways

LEGEND:

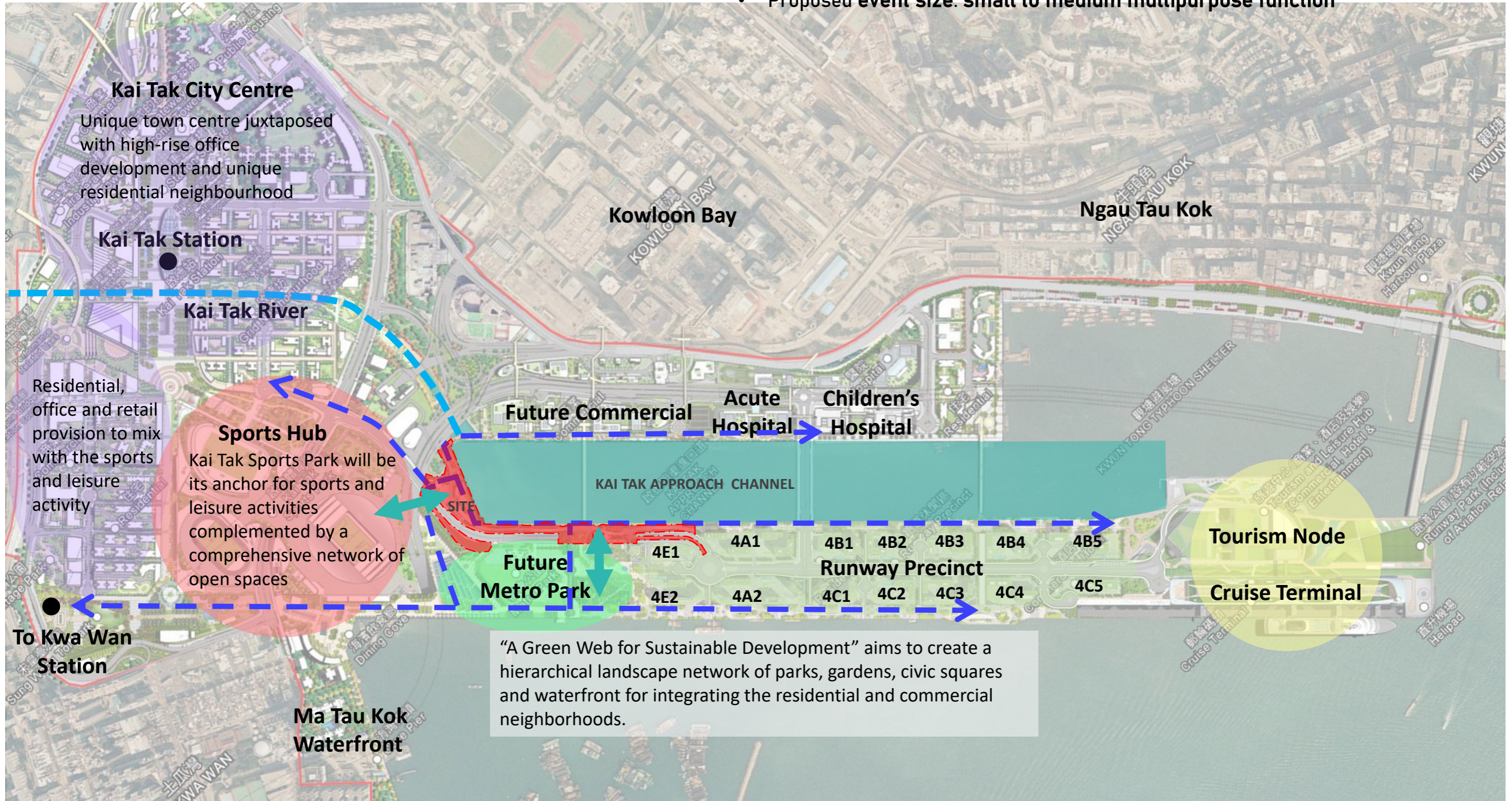
-  Connection via at-grade crossing/pedestrian street/connection at ground level
-  Connection via footbridge/elevated walkway/landscaped deck
-  MTR Station

Site Context

Key Developments

Urban Nodes Design:

- Make use of the strategic location where visitors have a **long view of the Kai Tak Channel**
- Acts as a **nodal point** connecting the waterfront promenade to residential area
- Promenade gateway for **leisure/water sports activities and F&B**
- Proposed **event size: small to medium multipurpose function**



Design Concept

活力綻放 Energy

川流不息 Continuity

翱翔綠坪

Soaring over the glade,

流動啟德

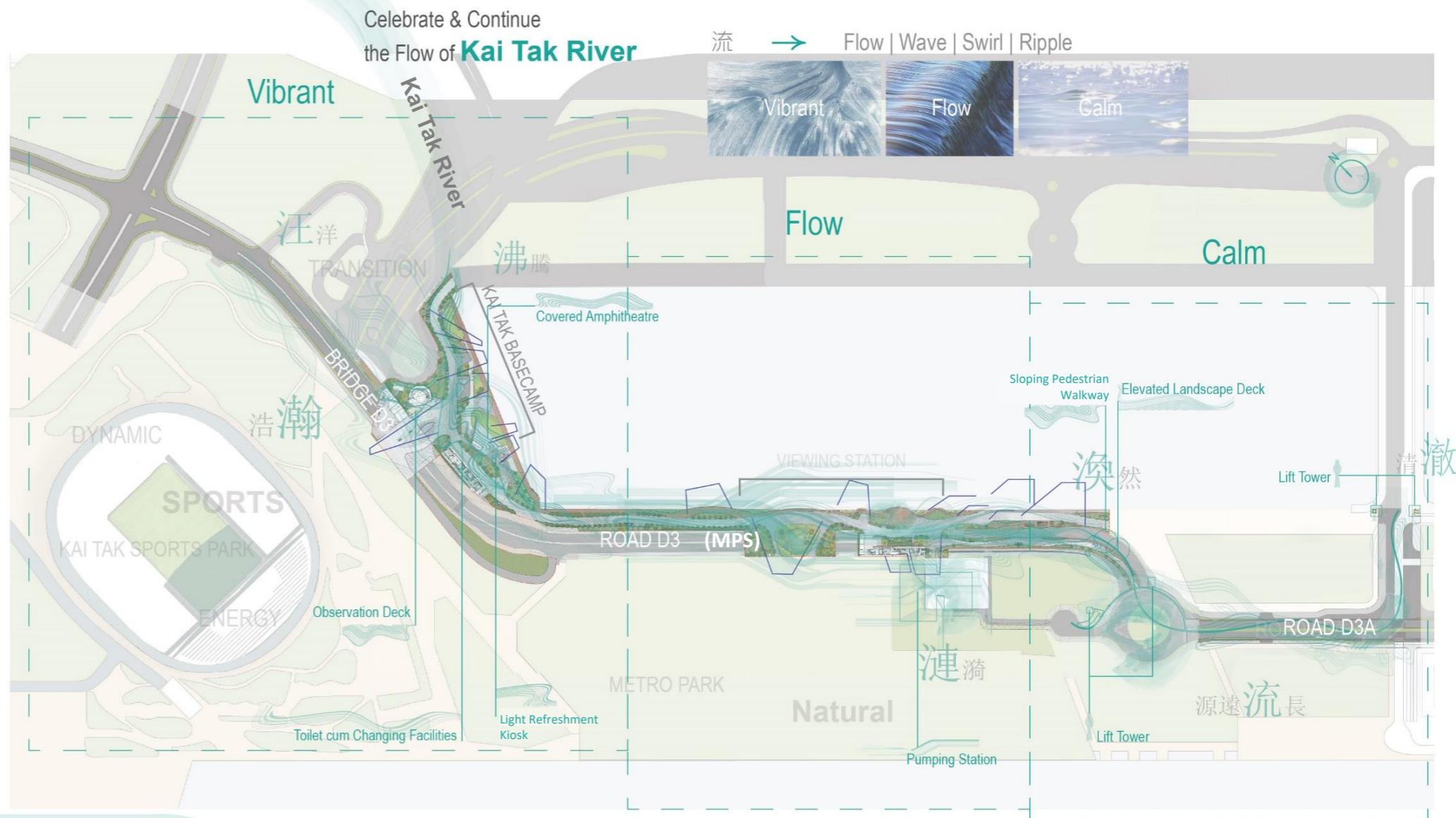
Creativity 創意瀰漫

immersing in the flow of Kai Tak

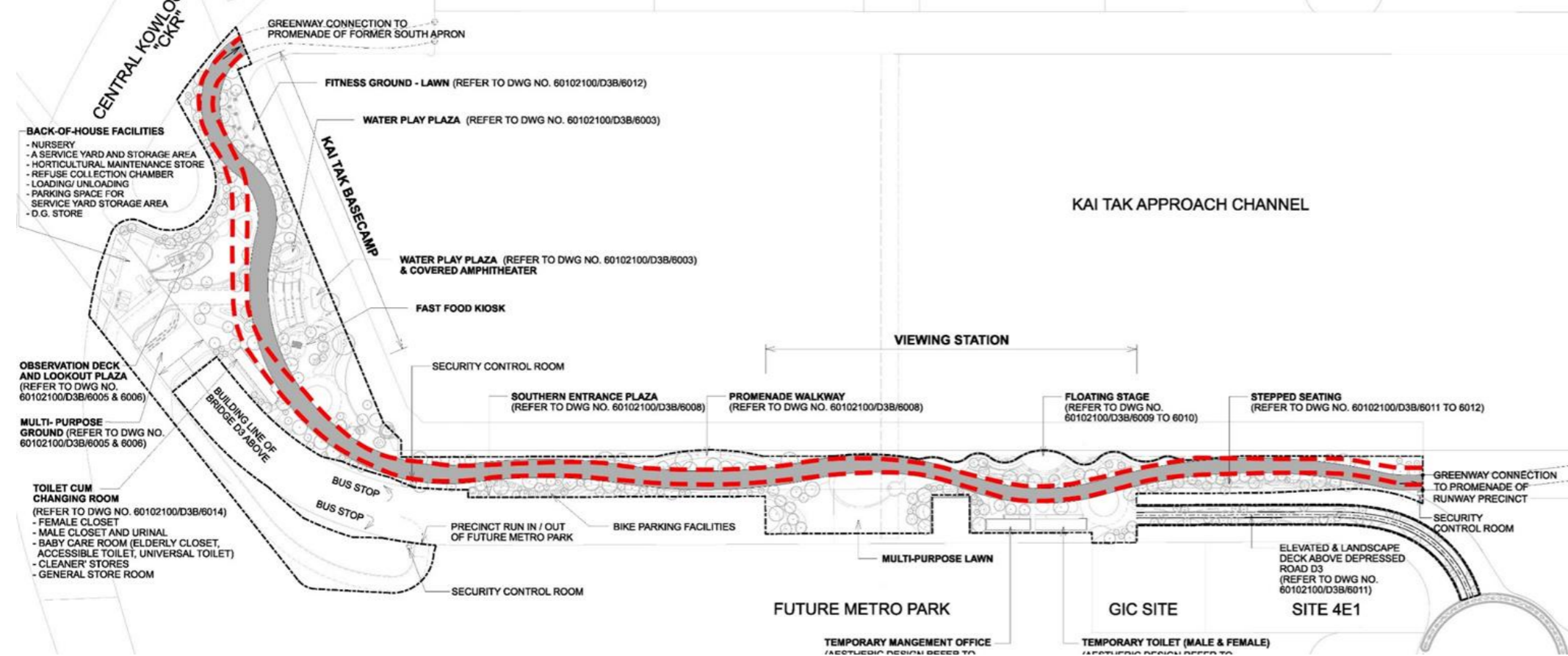
Interactions 相互交流

Inspiration from Water Flow

The overall concept of the site was inspired by the Kai Tak River. River flow is energetic, continuous, and enable interactions with its surroundings, thereby inspiring creativity. These are the core elements of the design.



Reference Design



--- Revised Greenway Alignment

Greenway Alignment



■ 6m width Emergency Vehicular Access (EVA)

■ 8-10m width Greenway

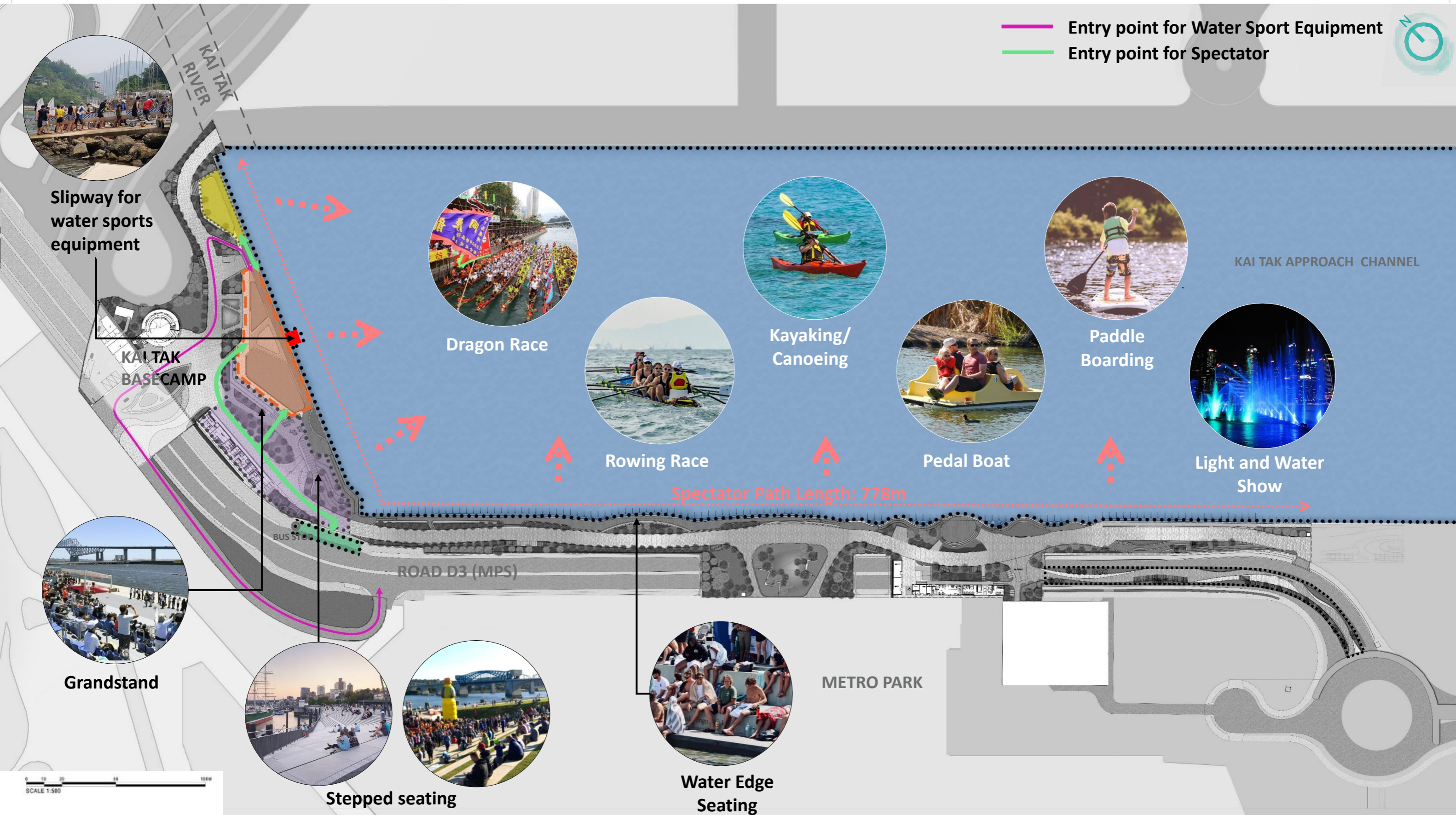
Site Context

Activating the Waterfront

Activating the Waterfront

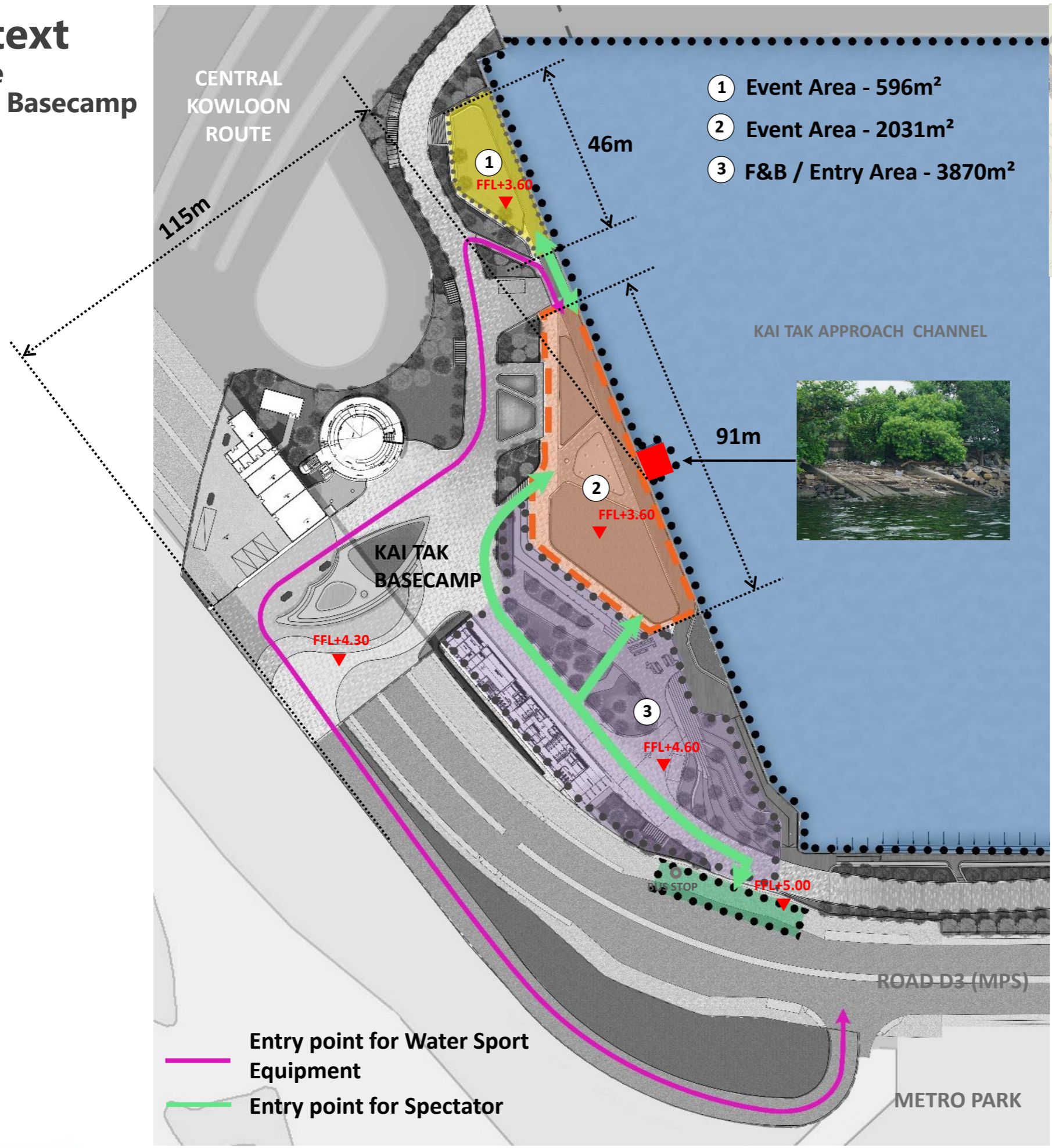
Design the waterfront for the enjoyment of leisure, cultural and recreational activities on land and water.

- Entry point for Water Sport Equipment
- Entry point for Spectator



Site Context

Activating the Waterfront at Basecamp



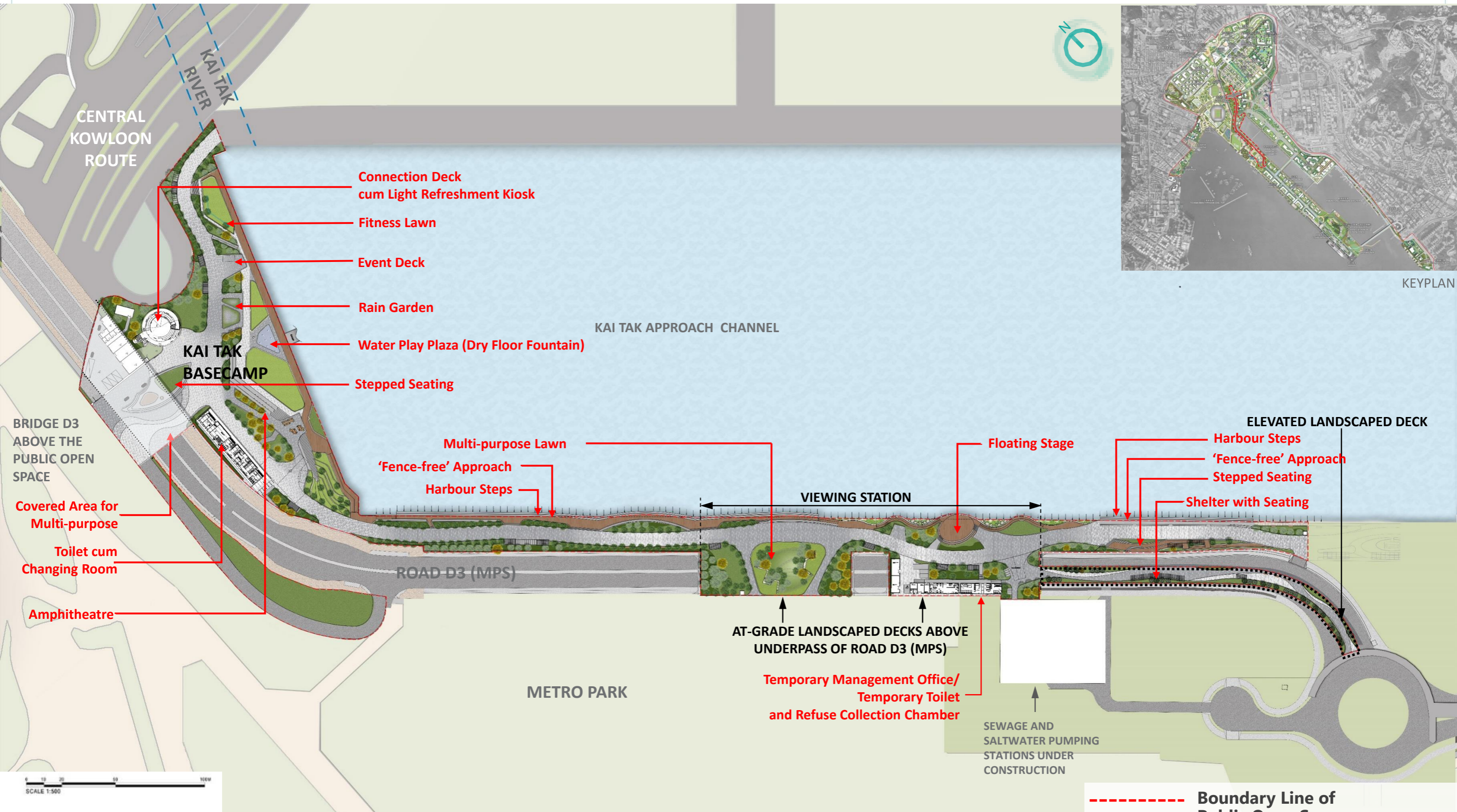
Site Context

Water Events Scenario



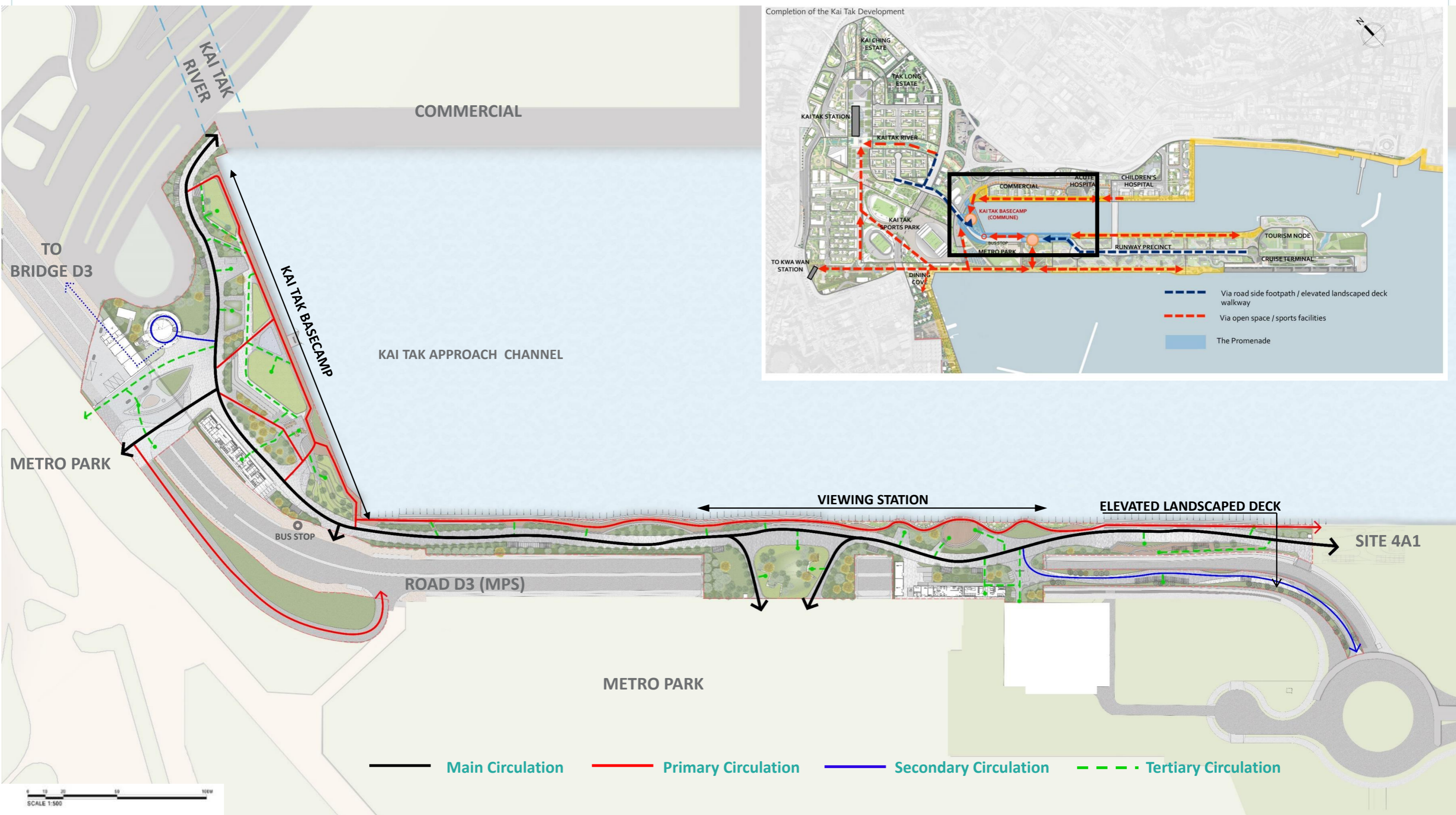
1. Briefing Area
2. Equipment Storage – board/ boat racks, accessories such as life jackets, anchors, buoys
3. Registration/temporary office/ Pantry
4. Toilet cum changing room
5. Open area for equipment preparation / F&B area with outdoor seating/ Restaurant
6. First Aid / Civil Aid Service
7. Slipway
8. Pontoon/dock
9. Preparing of boats before racing / training
10. Racing/ training course
11. Reserve for marine supporting uses (storing and repairing water craft) / Future Possible Expansion of Catering Services
12. Reserve for F&B area with outdoor seating
13. Reserve for sports and recreation supporting area (equipment storage, rigging, repair, activity management, changing rooms)

Master Layout Plan

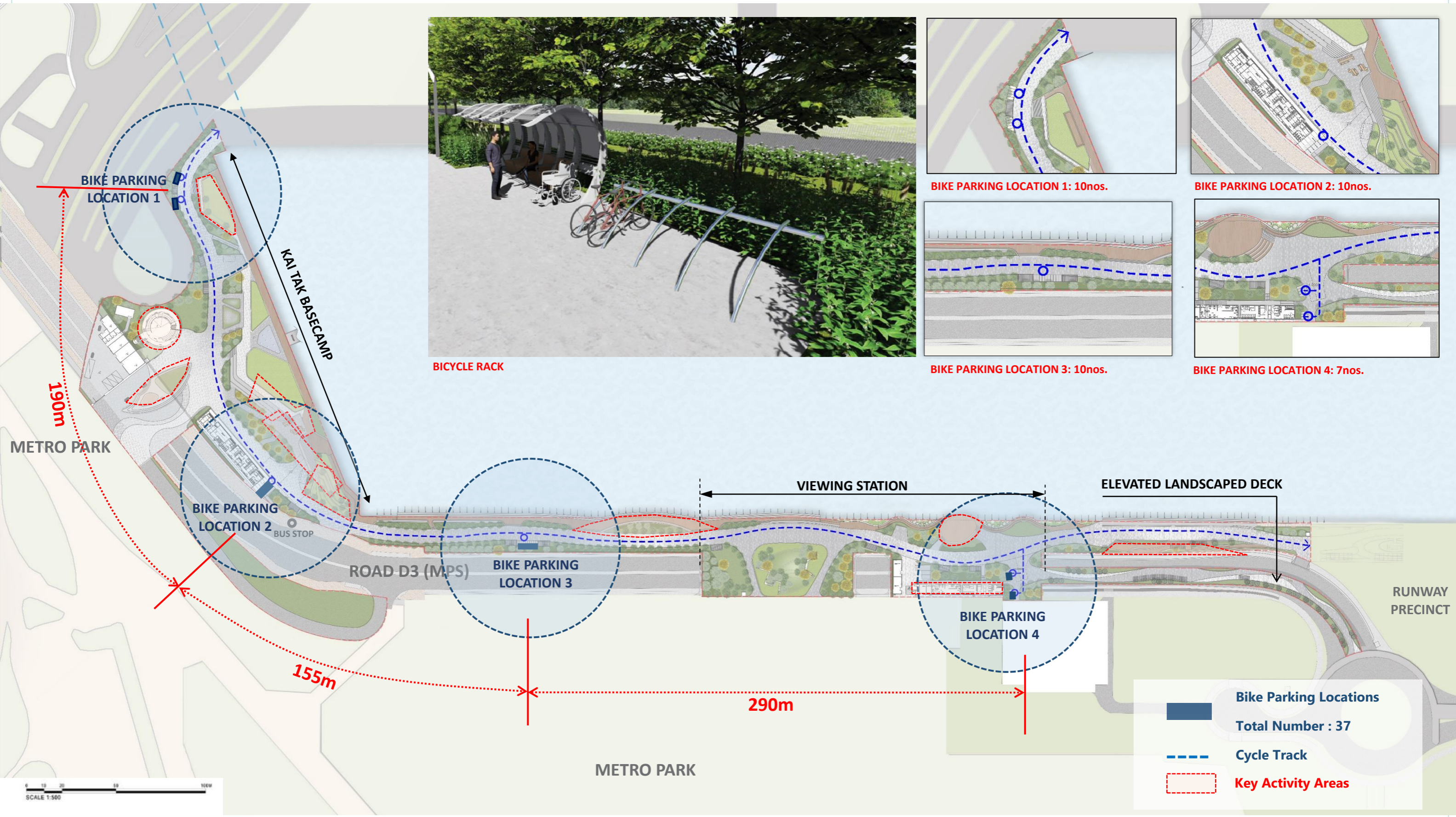


*all designs are subject to detailed development

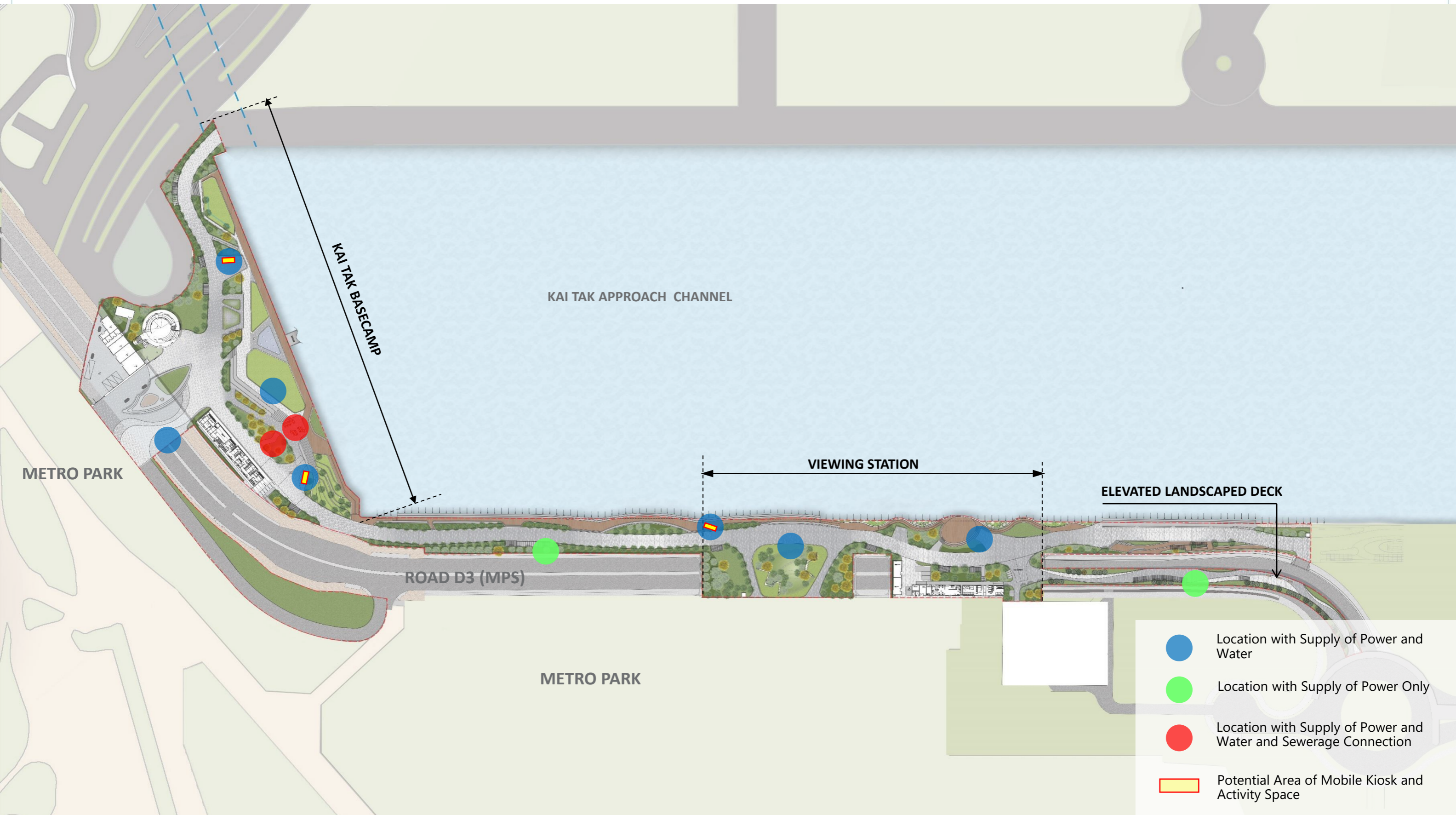
Connectivity of Promenade



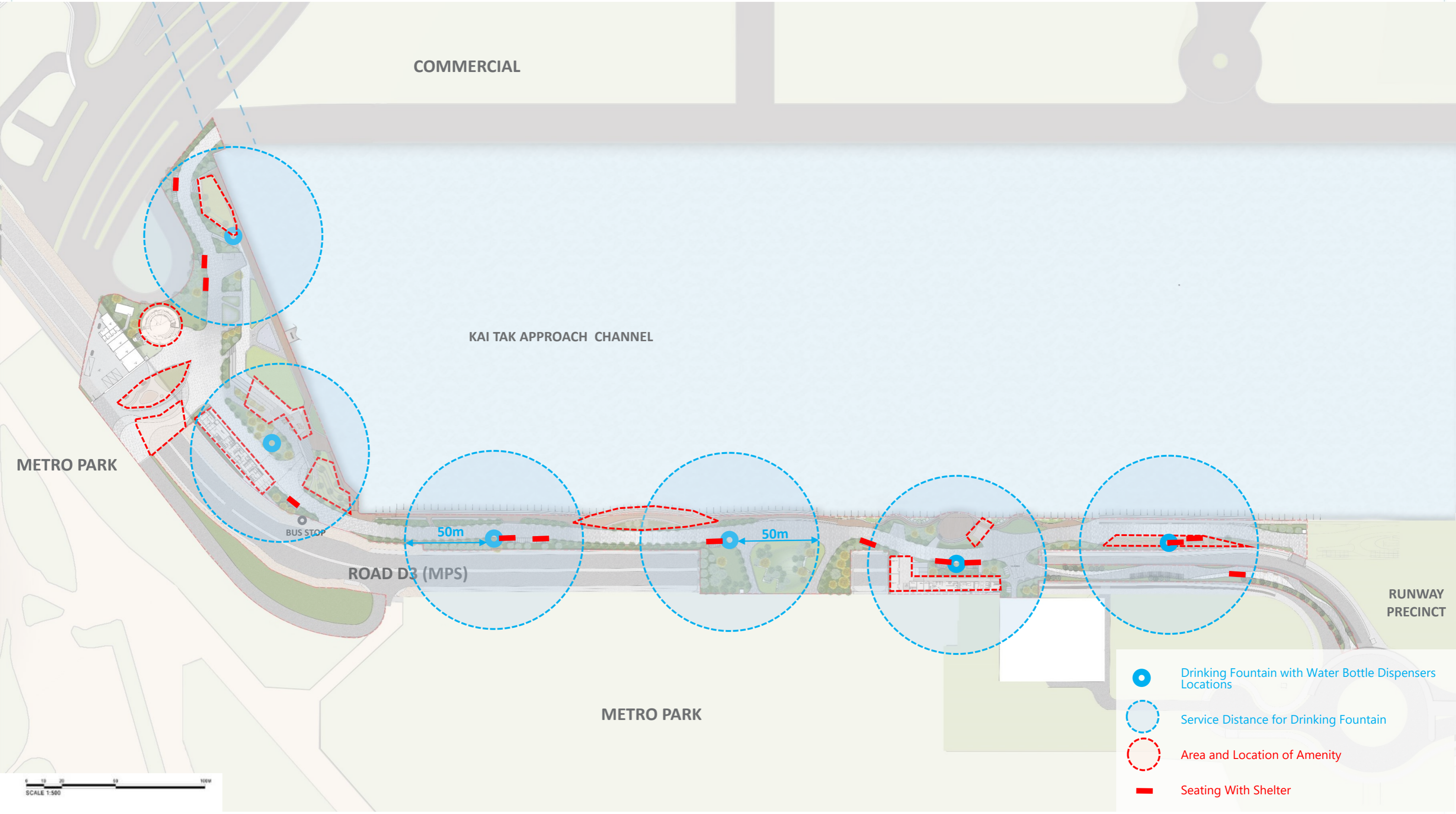
Cycle Track and Bike Parking







Locations for the Mobile Kiosk



Drinking Fountain with Water Bottle Dispenser Locations



-  Drinking Fountain with Water Bottle Dispensers Locations
-  Service Distance for Drinking Fountain
-  Area and Location of Amenity
-  Seating With Shelter

Locations for Seating Systems

Logic of Location ← LEGEND



Located along the Greenway to provide comfortable sitting space for all users.

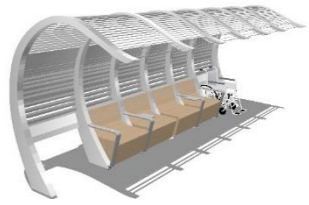
Located along footpath for elderly who are unable to walk a long distance.

Located in the viewing deck near the light refreshment kiosk.

Located in long / narrow space along elevated deck for sporadic demand users.

Located gathering sitting area to provide comfortable sitting space for all users.

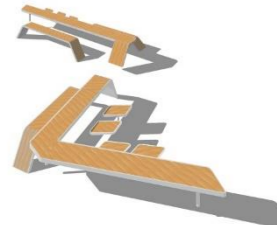
Seating With Shelter



Seating with backrest



Seating with Table



Simple Seating Bench

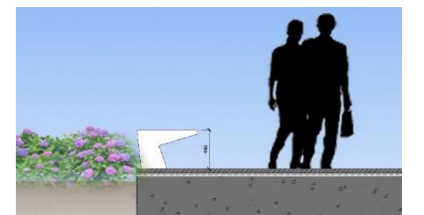


Seatwall With Sun Shading



Seatwall at Covered Areas

Seatwall at Uncovered Areas



*The design of seating systems is subject to comments from the maintenance and management authorities.

Table Locations

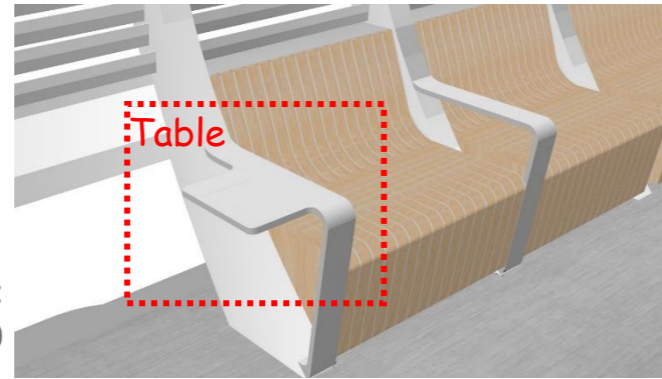
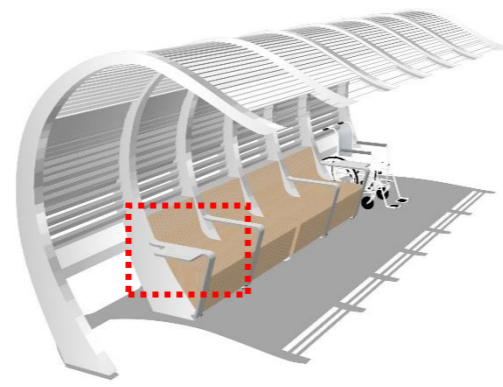


Table Nos.:
2 per each shelter x 15 shelters = 30



Total Table Nos: 53

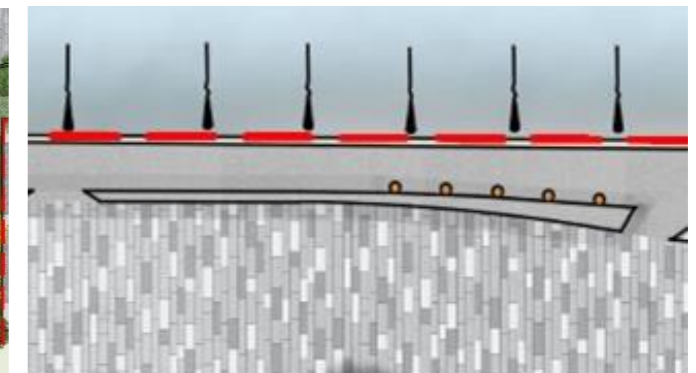
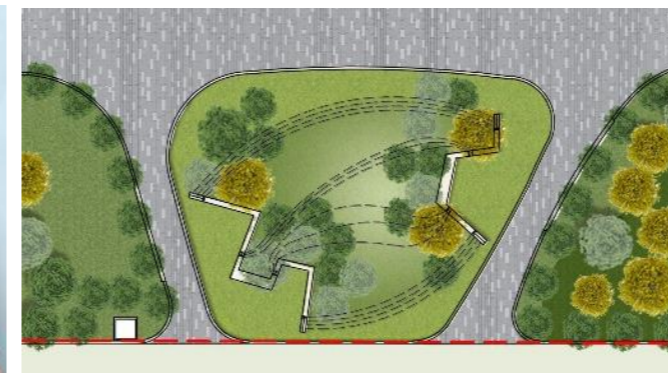
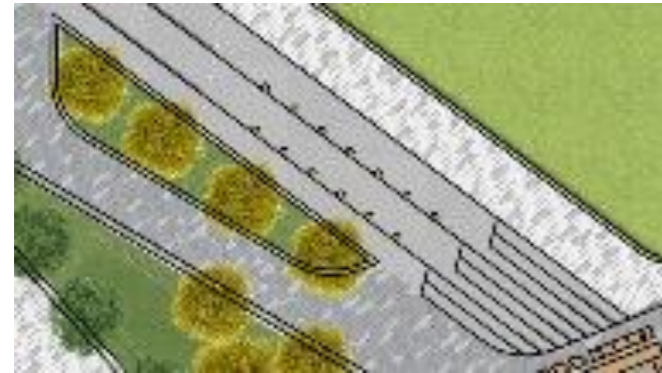


Table Nos.: 13

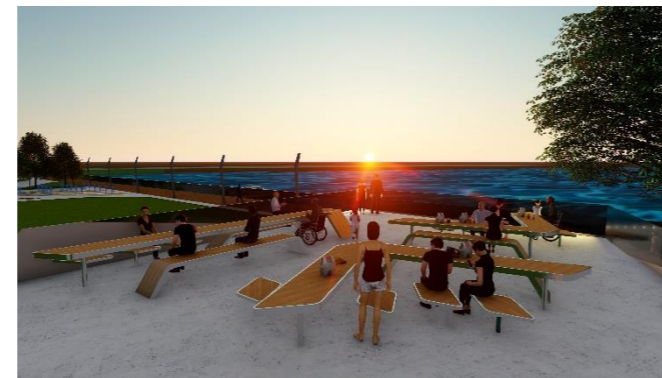


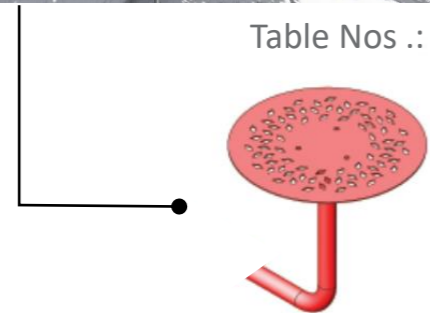
Table Nos.: 3



Table Nos.: 2



Table Nos.: 5



Proposed rounded tables fixed on to the side of seatwall

*The design of seating systems is subject to comments from the maintenance and management authorities.

Kai Tak Basecamp

Connection Deck cum Light Refreshment Kiosk

Security Kiosk

Back-of-house facilities

- Nursery
- A Service Yard and Storage Area A
- Horticultural Maintenance Store
- Refuse Collection Chamber
- Loading/Unloading
- Parking Space for Service Yard Storage Area
- F.S. Control Room, F.S. Pump Room, Water Pump, Water Meter Cabinet, TBE Room and Electrical Room

Northern Entrance Plaza

Under-bridge Public Space

Stepped Planter

Covered Area for Multi-purpose

Amphitheatre

Toilet cum Changing Room

- Toilet and Changing Area
- D.G. Store and General Store
- Rainwater and Filtration Plant Room and Water Tank
- F.S. Pump Room and Street Fire Hydrant Tank
- Automatic Irrigation Plant Room, Potable, Flushing & Cleansing Water Pump Room and Electrical Room

Lockable Gate

Fitness Lawn

Event Deck

FFL+3.60

Rain Garden

Water Play Plaza (Dry Fountain)

Lockable Gate

Step Seating

Theatre Lawn

Wood Grain Porcelain Tile

FFL+4.30

FFL+4.90

FFL+3.60

Step

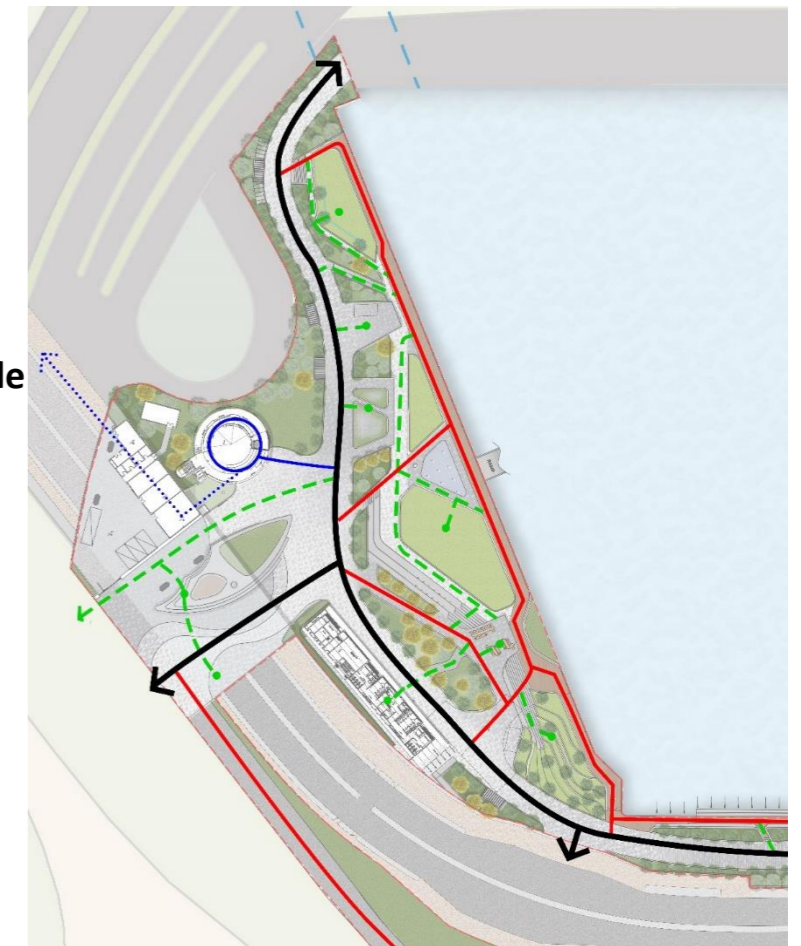
Access Ramp

Bike Parking

FFL+5.00



- Main Circulation**
- Primary Circulation**
- Secondary Circulation**
- Tertiary Circulation**



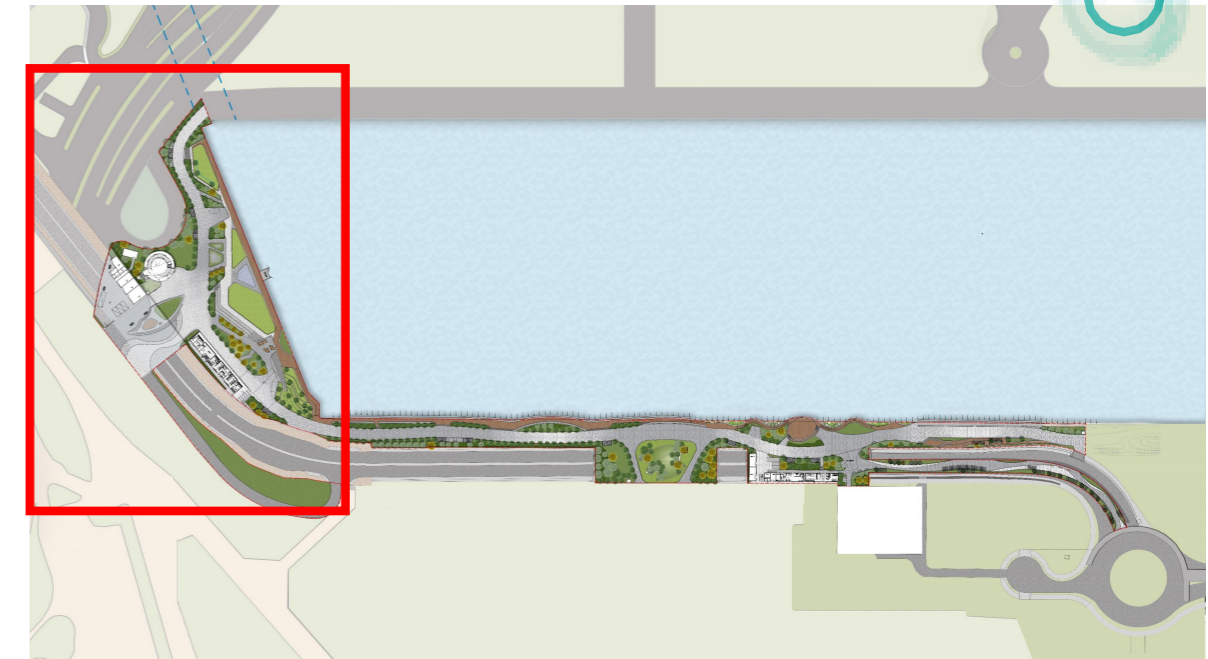
Kai Tak Basecamp



Kai Tak Basecamp



Kai Tak Basecamp



Capturing the "Water Flow"

Enhancement of Leaves Patterns through Design & Greenery
 Leave pattern follows the Kai Tak Creatives Guidelines with enhancement and also follows recycled timber slats design in the reference design. Climbing plants are allowed to grow onto the recycled timber slats.

Connection Deck cum Light Refreshment Kiosk

Step-seating Area

Toilet cum Changing Room and Plant Rooms



WATER SWIRL

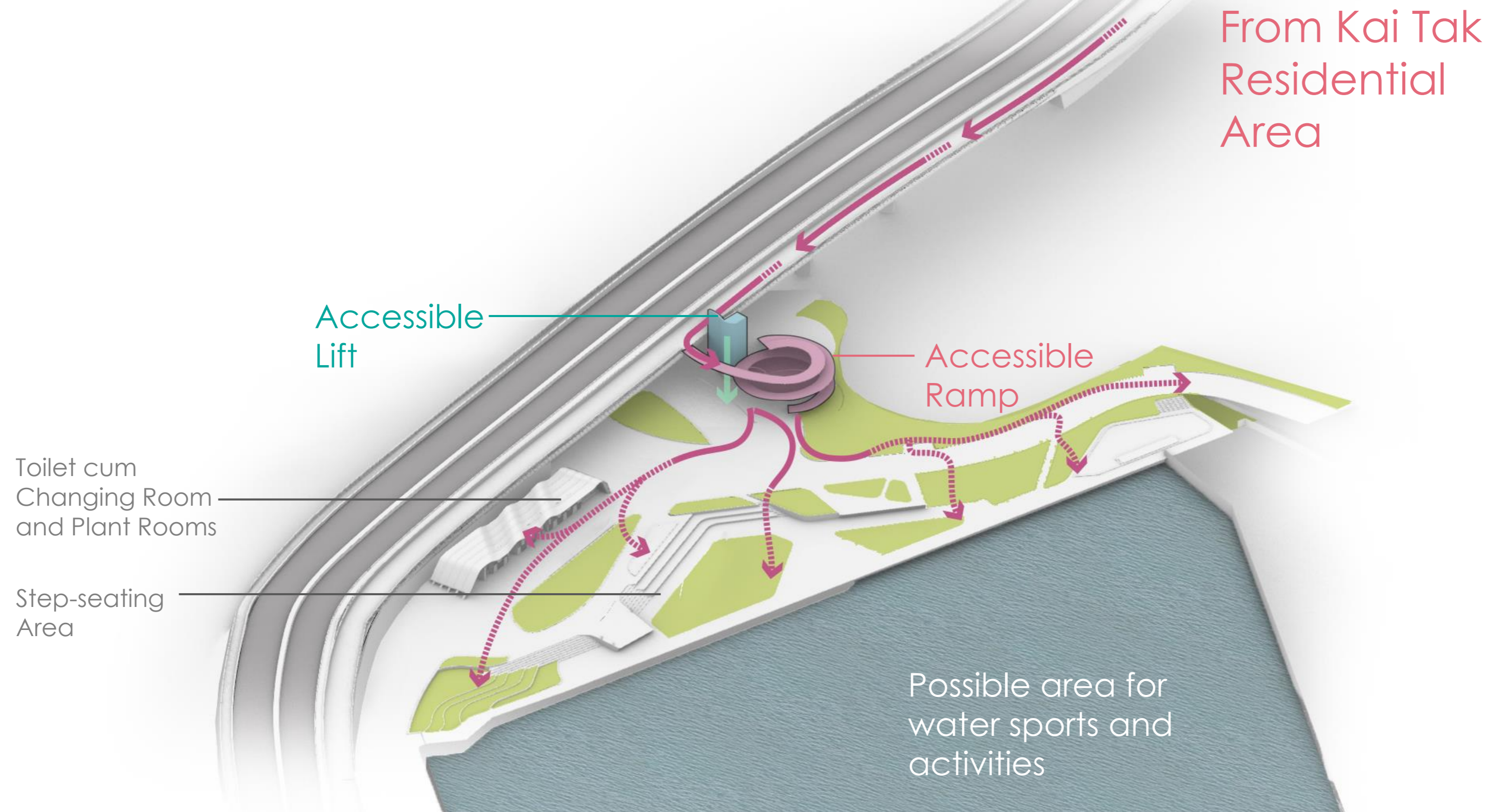


WATER WAVE DYNAMIC



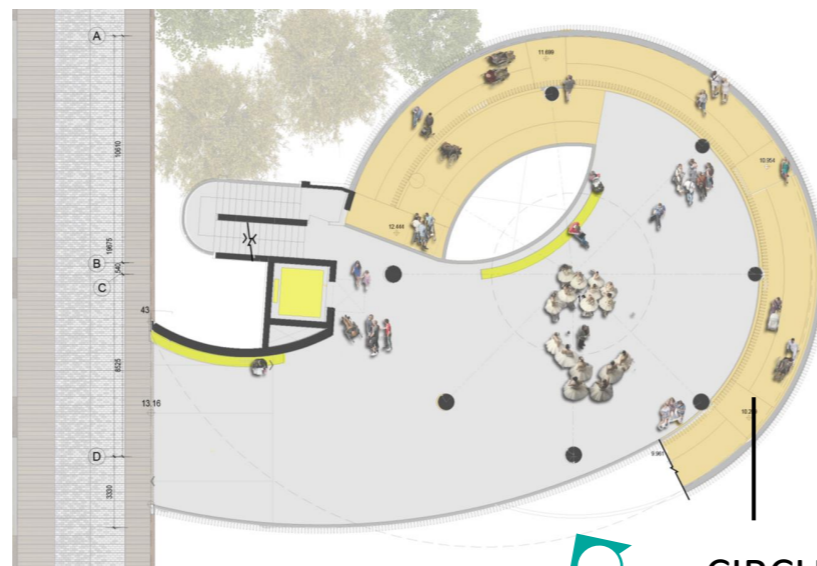
WATER WAVE RHYTHM

Kai Tak Basecamp



Kai Tak Basecamp

Connection Deck cum Light Refreshment Kiosk



Barrier free connection between bridge and ground level by lift and accessible ramp



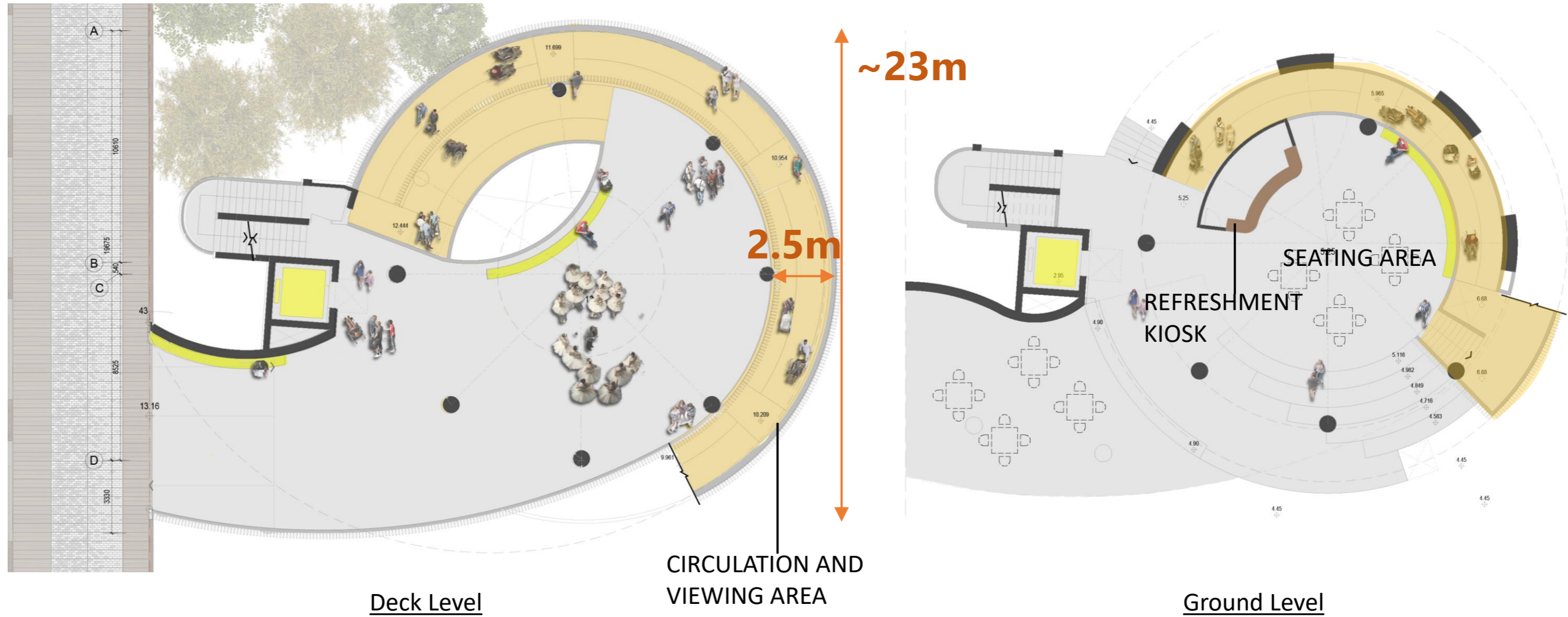
CIRCULATION AND VIEWING AREA



*Subject to detailed design

Kai Tak Basecamp

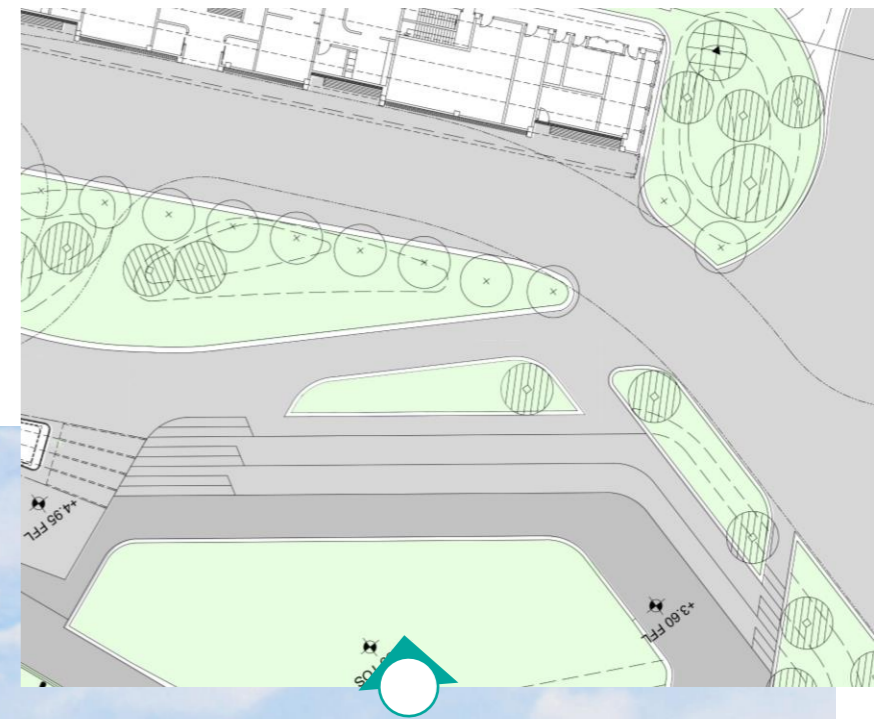
Connection Deck cum Light Refreshment Kiosk



*Subject to detailed design

Kai Tak Basecamp

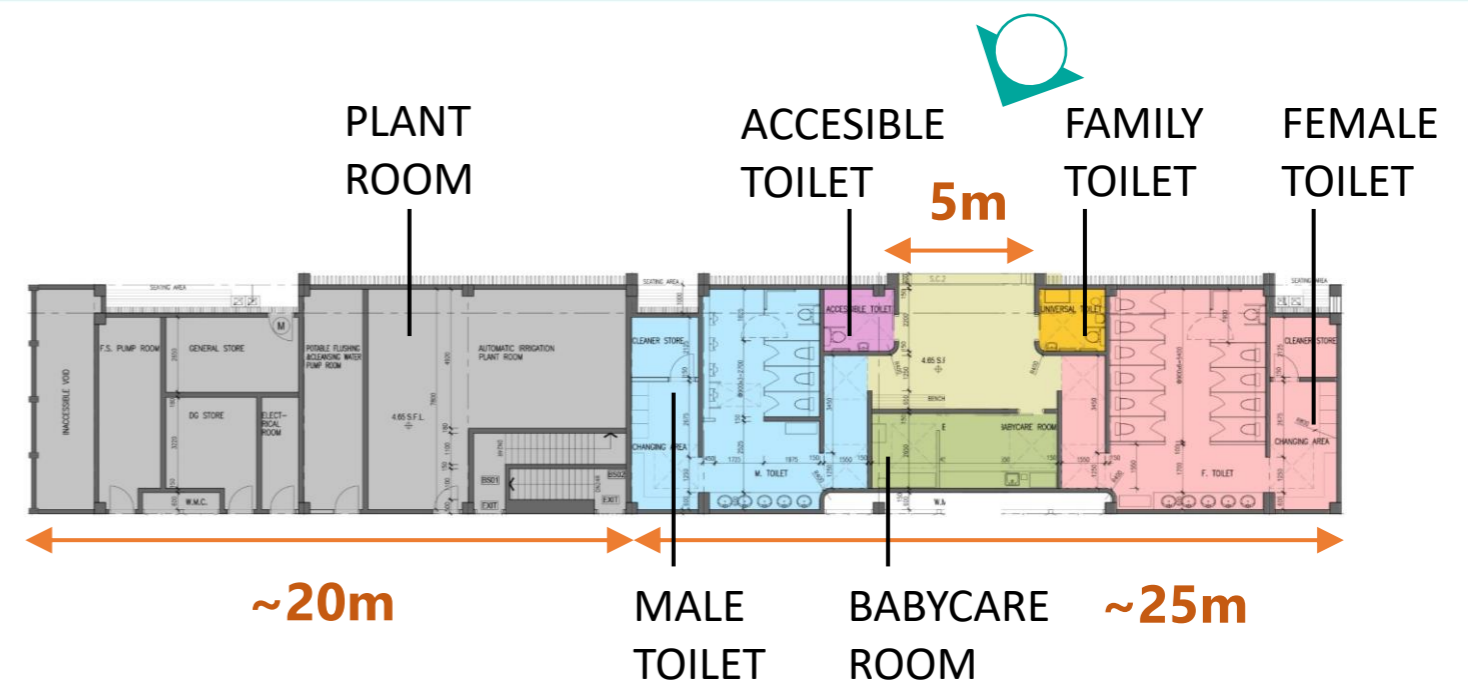
Step-seating Area



*Subject to detailed design

Kai Tak Basecamp

Toilet cum Changing Room and Plant Rooms

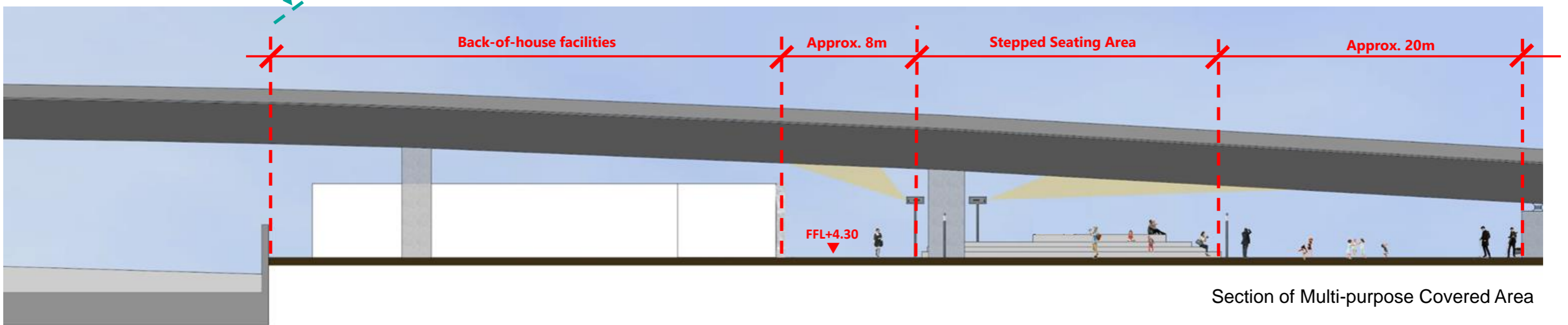
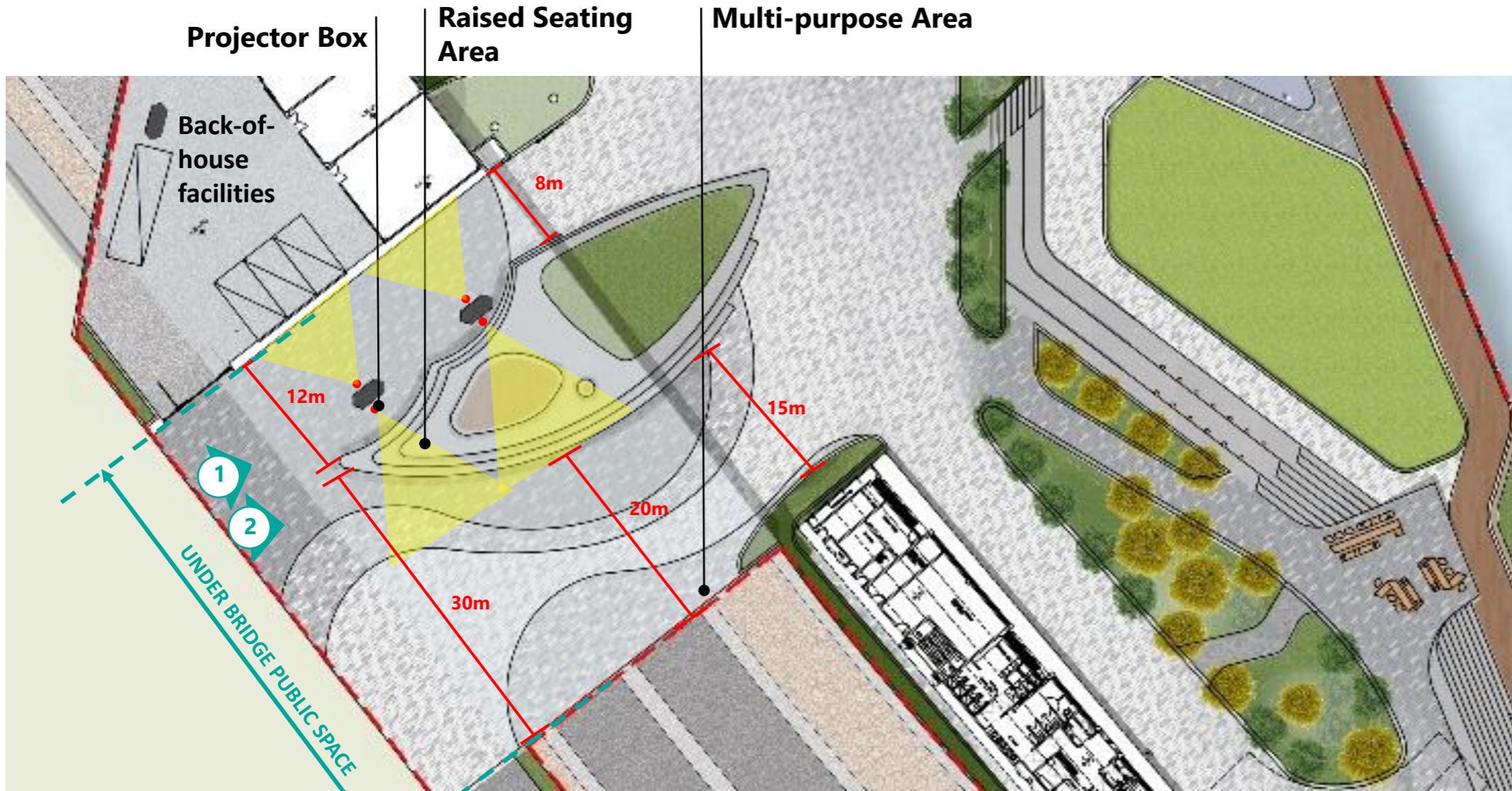


Natural ventilation is provided by an elevated roof design.

*Subject to detailed design

Kai Tak Basecamp

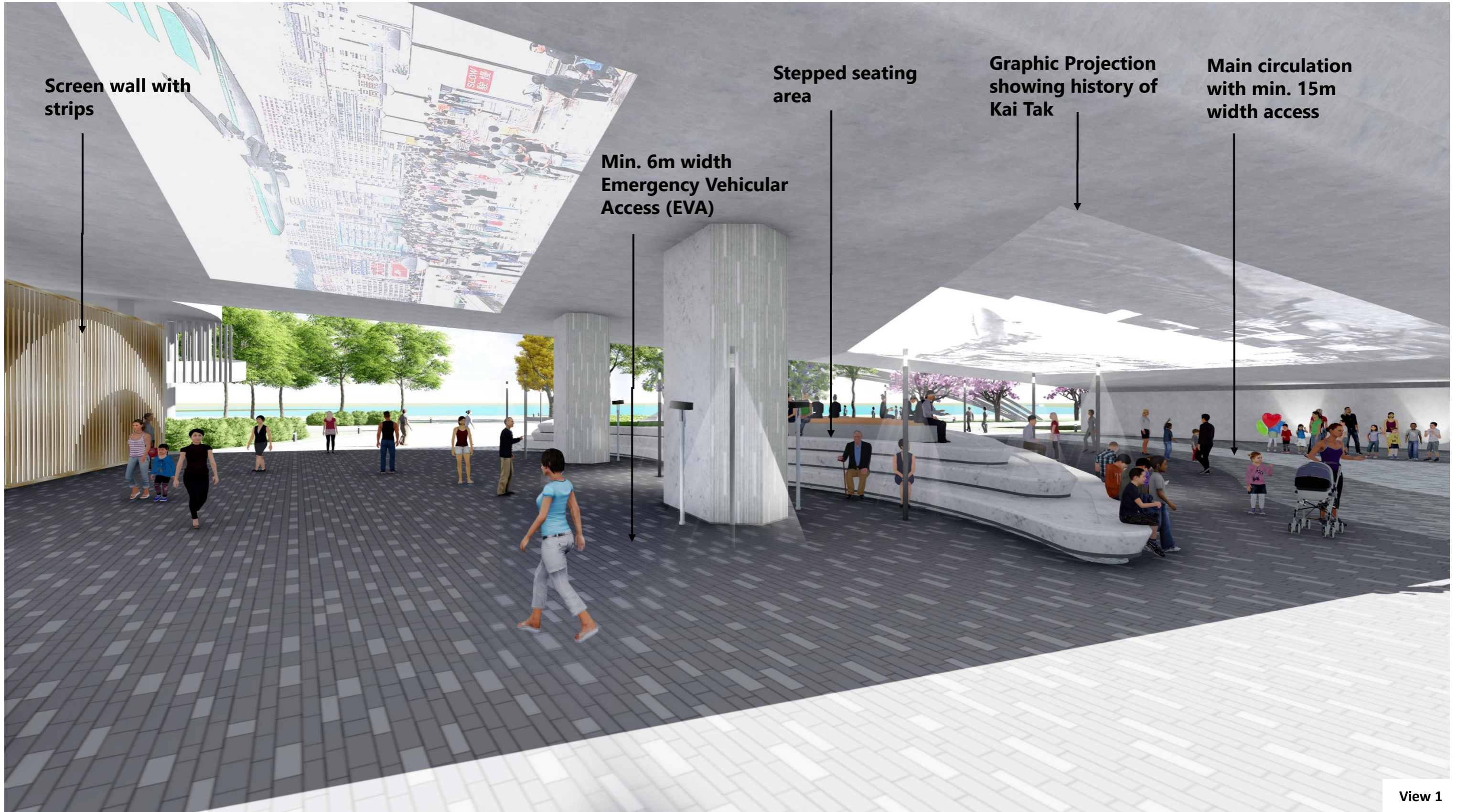
Under Bridge Open Space



Section of Multi-purpose Covered Area

Kai Tak Basecamp

The Time Corridor of Kai Tak – Afternoon



Kai Tak Basecamp

The Time Corridor of Kai Tak – Night Time

Location with supply of power and water

Projector

Stepped seating area with LED light

Graphic Projection showing history of Kai Tak

Area for Potential Performance

Main circulation with min. 15m width access

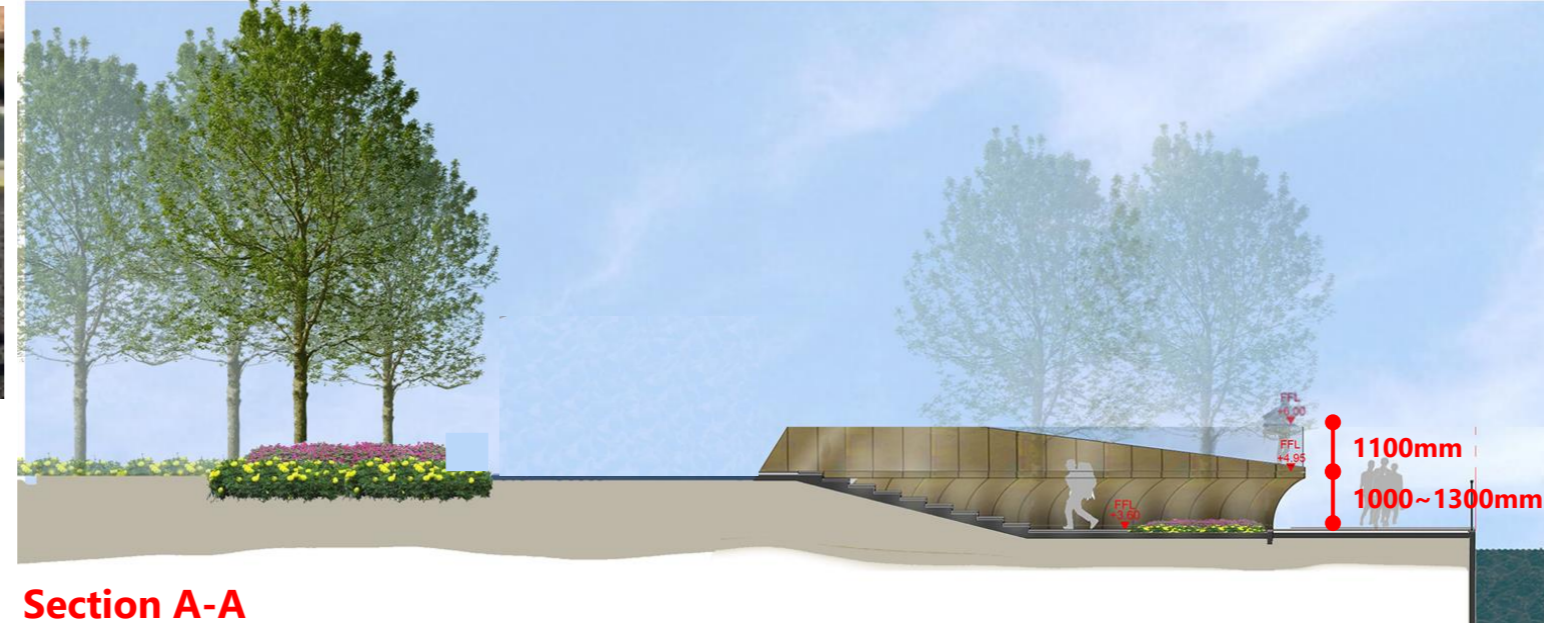


View 2

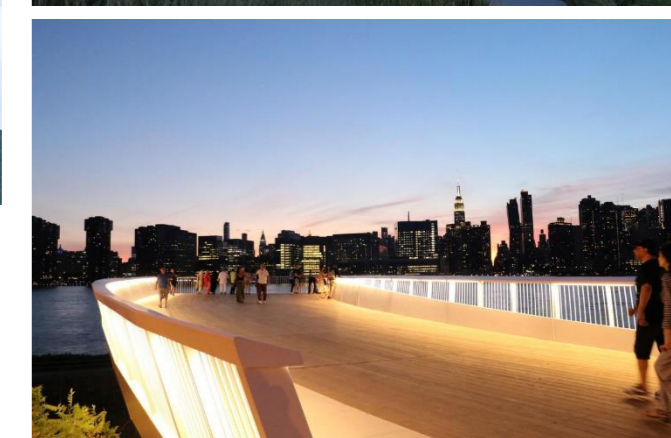
Kai Tak Basecamp

Fitness Lawn & Event Deck

Sculptural feature



Section A-A



Kai Tak Basecamp

Rain Garden



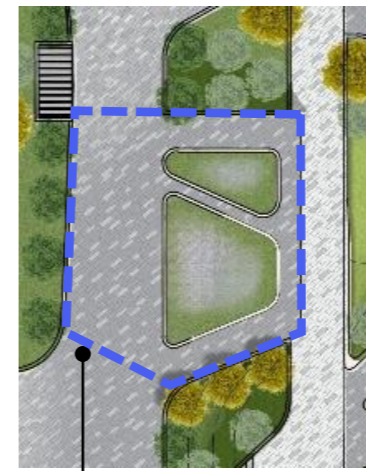
Reference image of rain garden at Hothers Plads, Copenhagen (Wet Condition)



Proposed openings at kerb for rainwater runoff



Reference image of rain garden at Hothers Plads, Copenhagen (Dry Condition)



Rain Garden Layout (Subject to Detailed Design)

Approx. Catchment Area (~470m²)



Iris ensata 花菖蒲



Hemerocallis fulva 萱草



Crinum asiaticum 文殊蘭



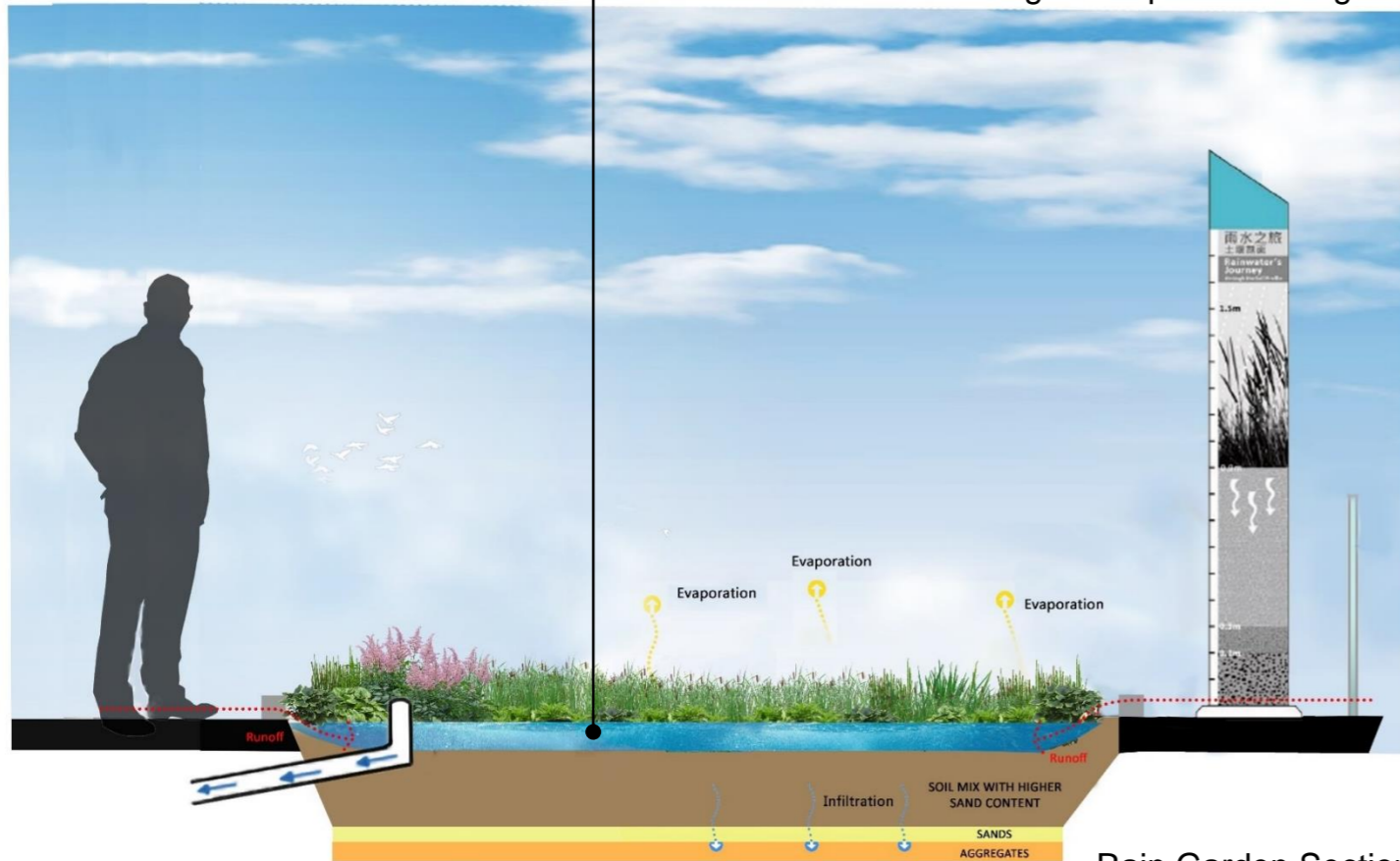
Belamcanda chinese 射干



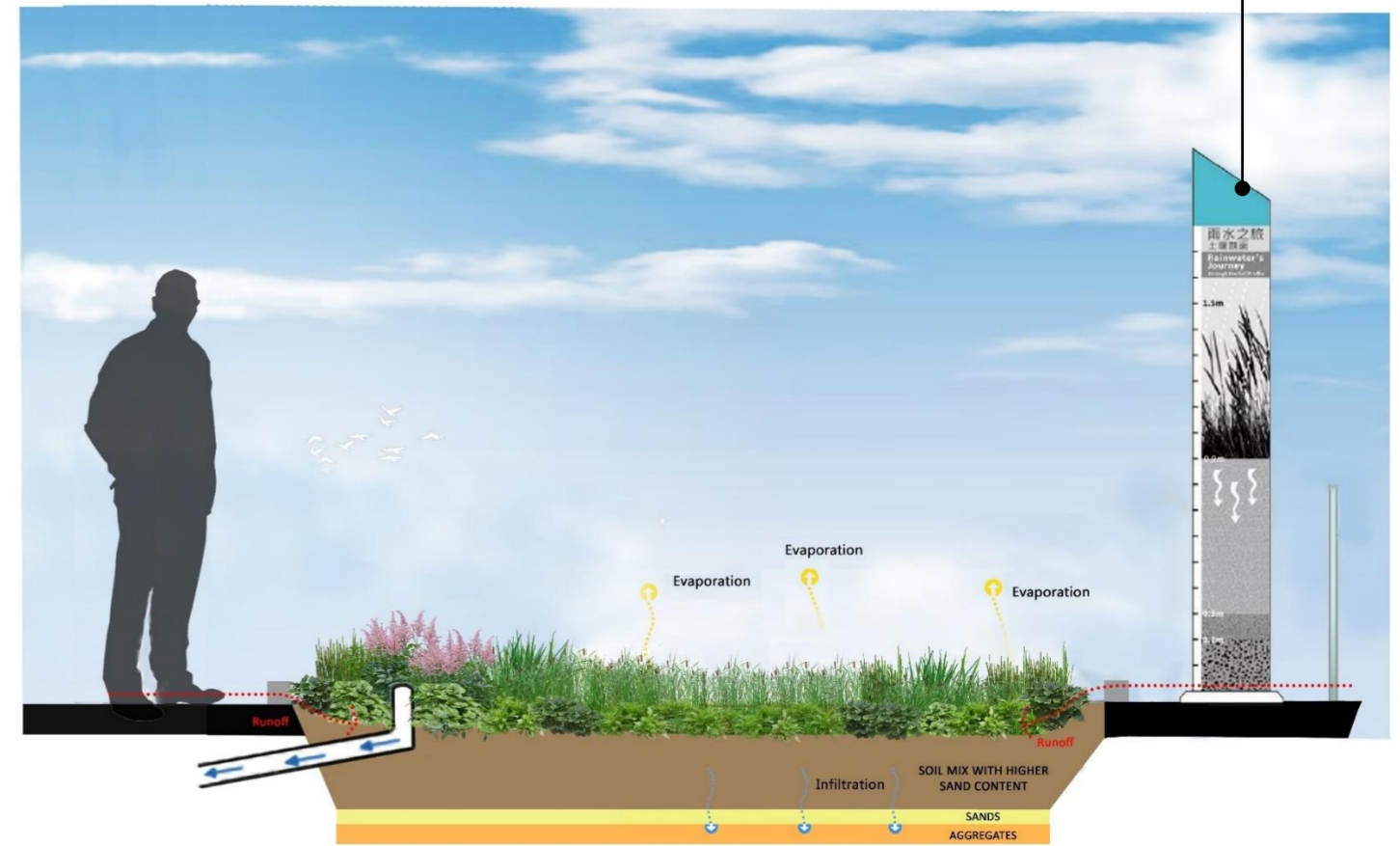
Hedychium coronarium 薑花

Maximum 100mm rainwater depth to prevent prolonged ponding which can encourage mosquito breeding

Proposed Signage for Educational Purpose



Rain Garden Section (Wet Condition)



Rain Garden Section (Dry Condition)

Kai Tak Basecamp

Planter at North Entrance Plaza



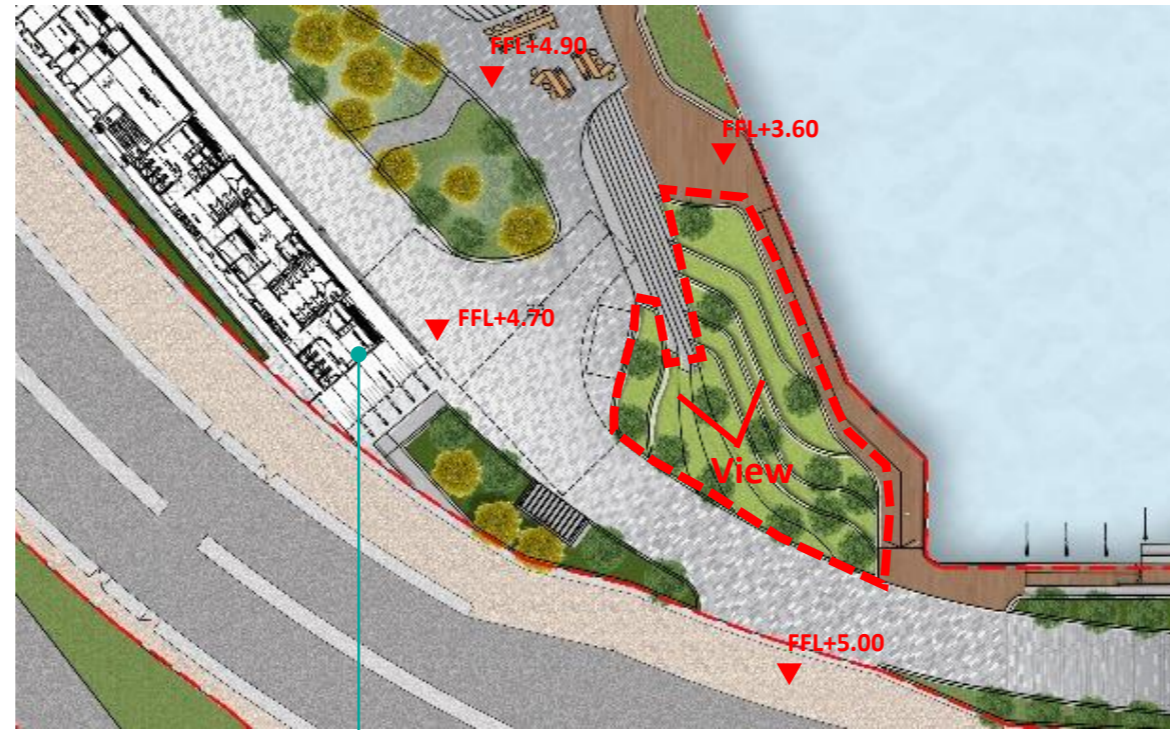
Reference Image of Planter



View of Planter

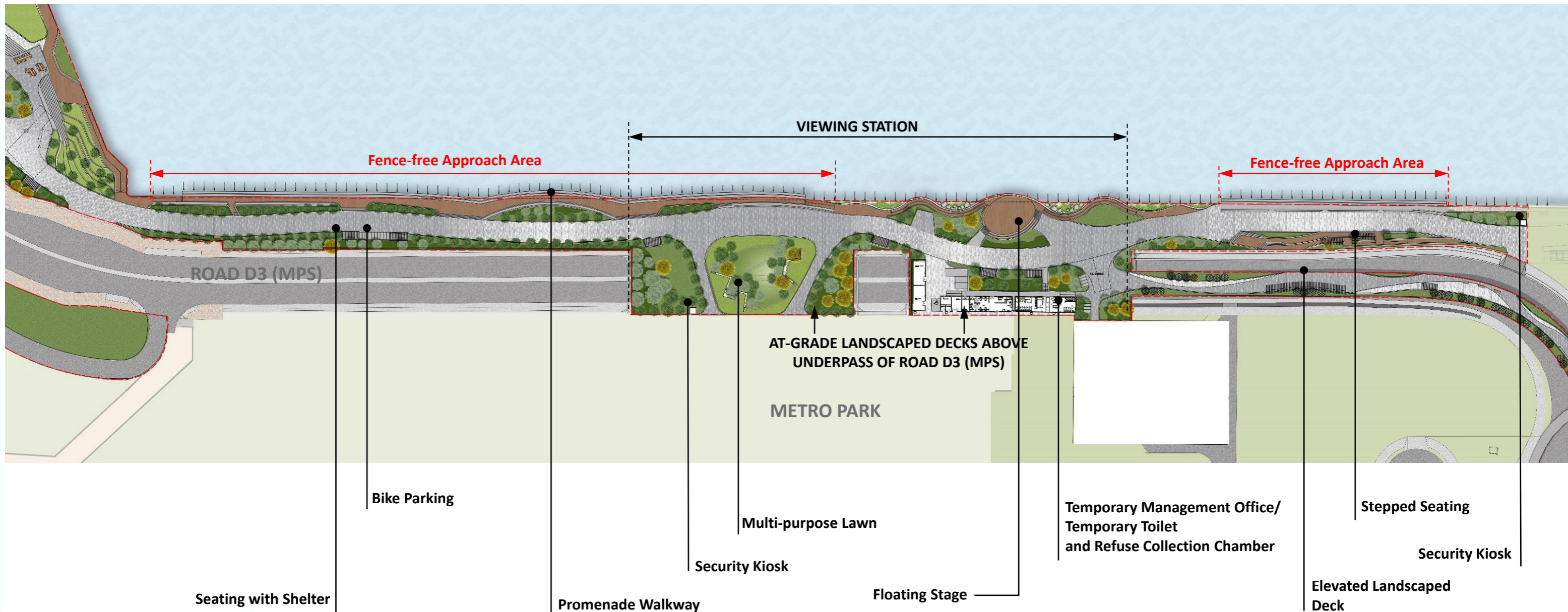


Reference Image of Planter



Toilet cum Changing Room

Linear Promenade and Viewing Station

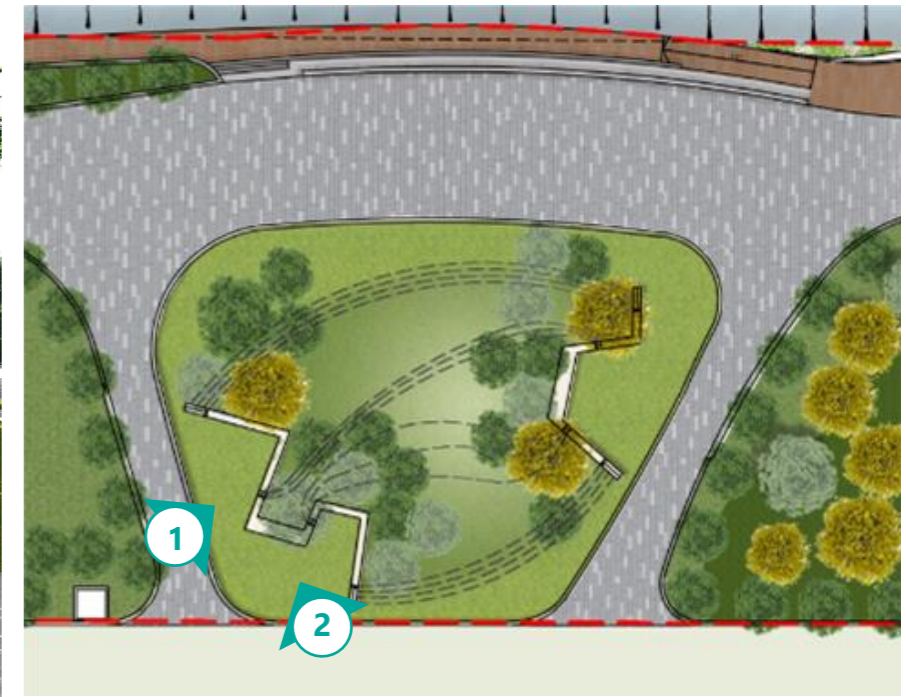


Viewing Station

Multi Purpose Lawn



Perspective 1



Multi-Purpose Lawn



Perspective 2

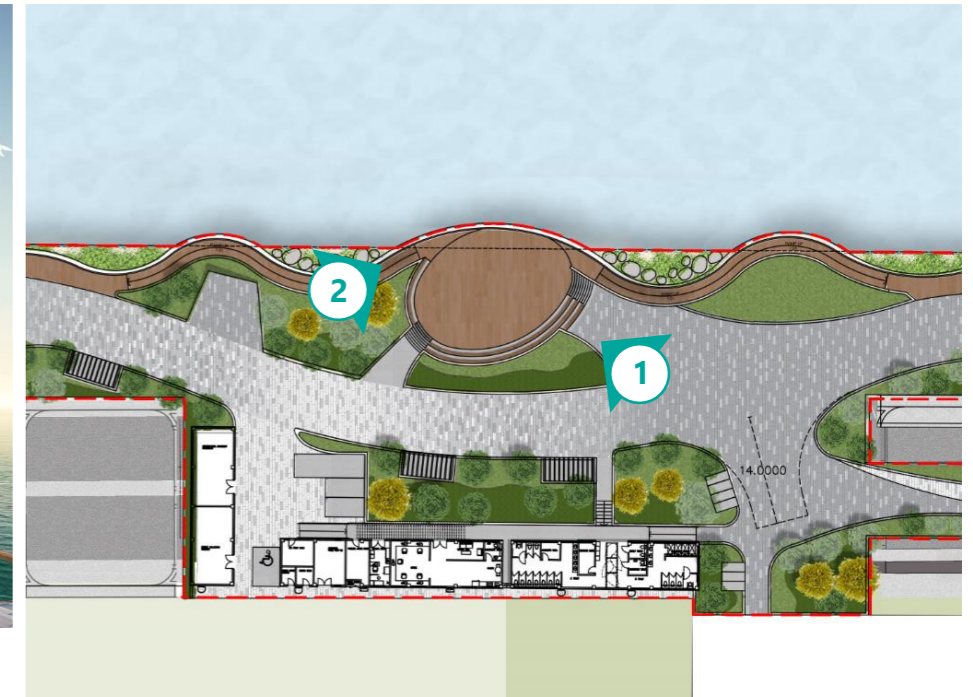


Viewing Station

Floating Stage



Perspective 1



Floating stage



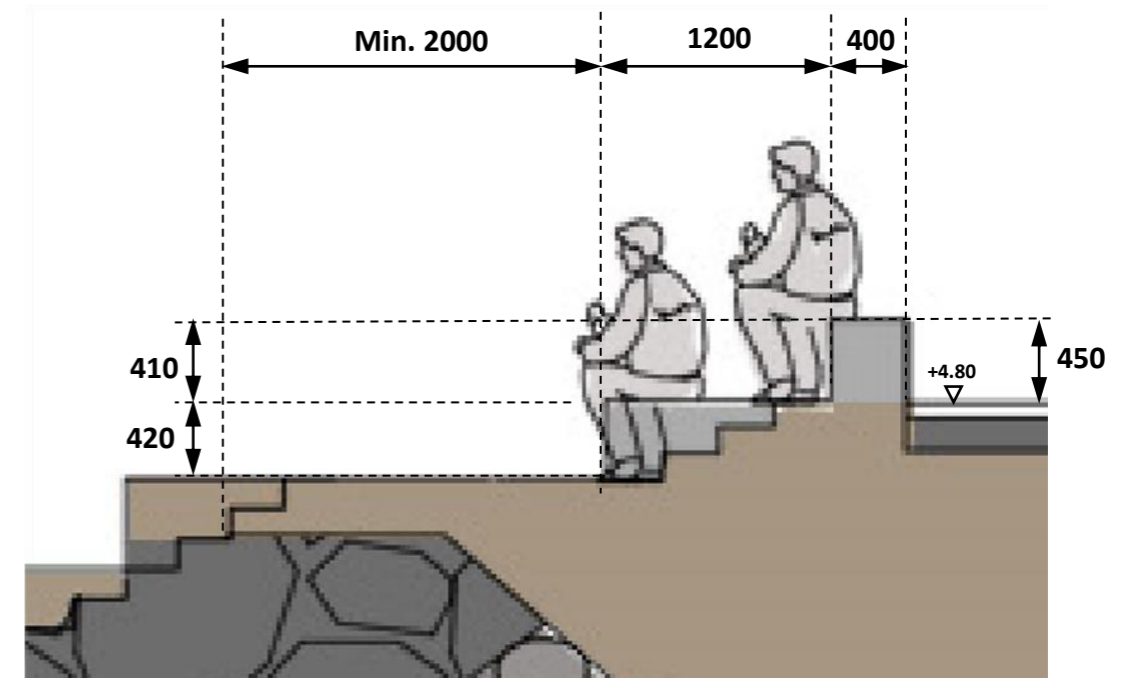
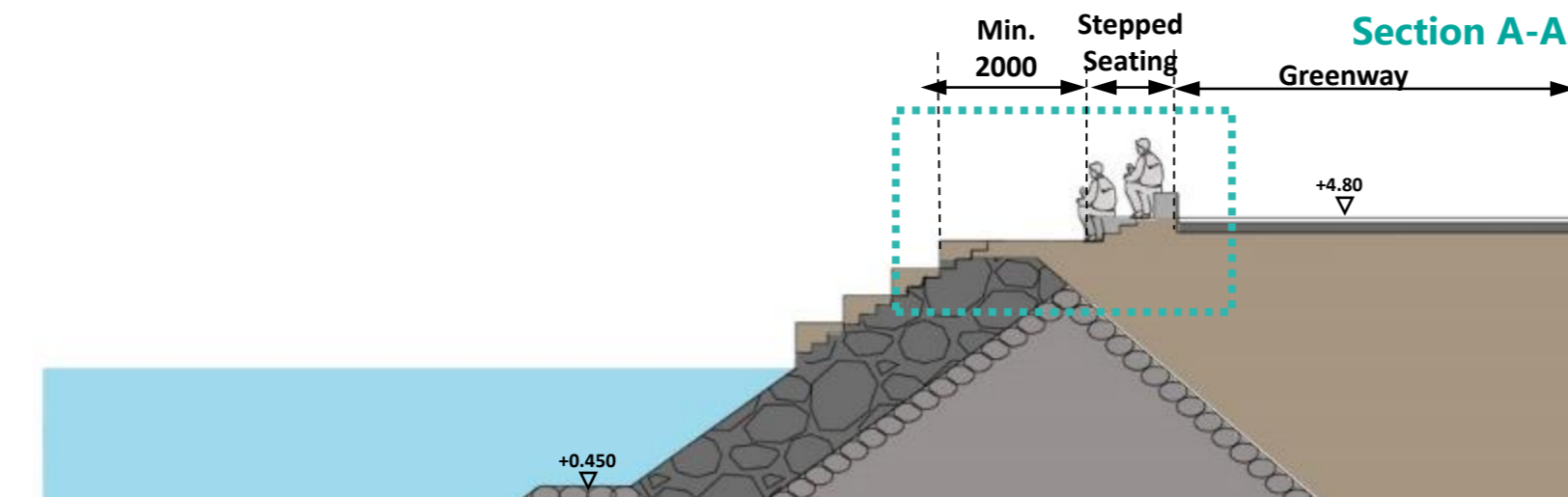
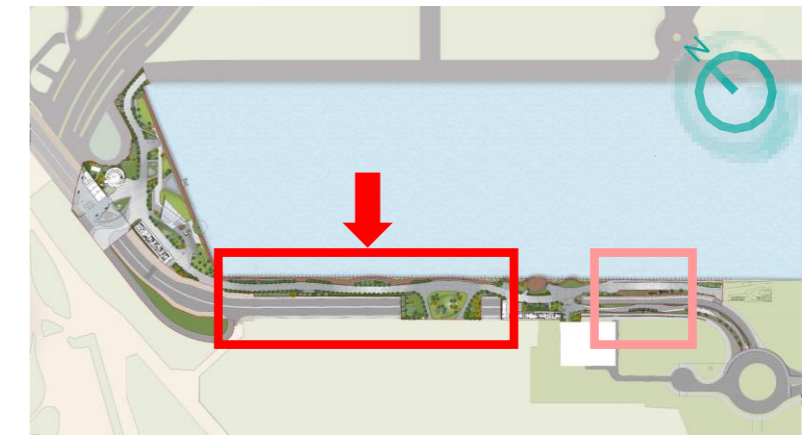
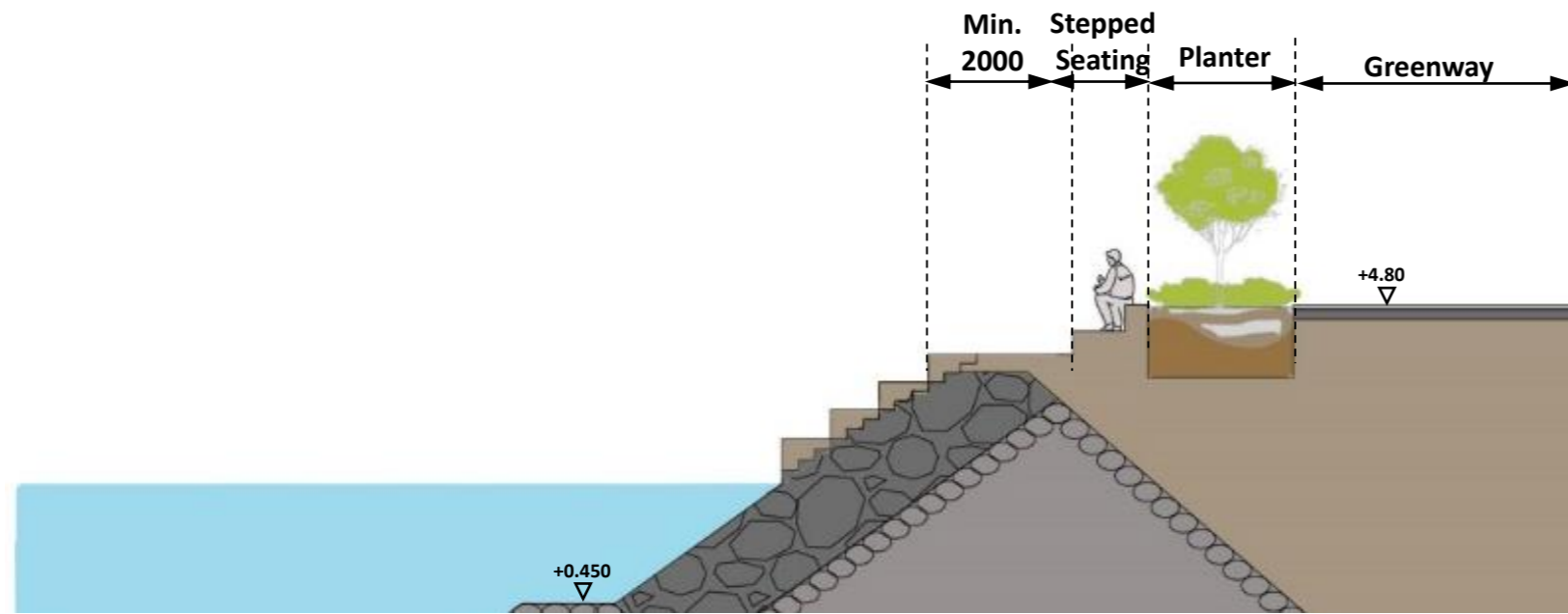
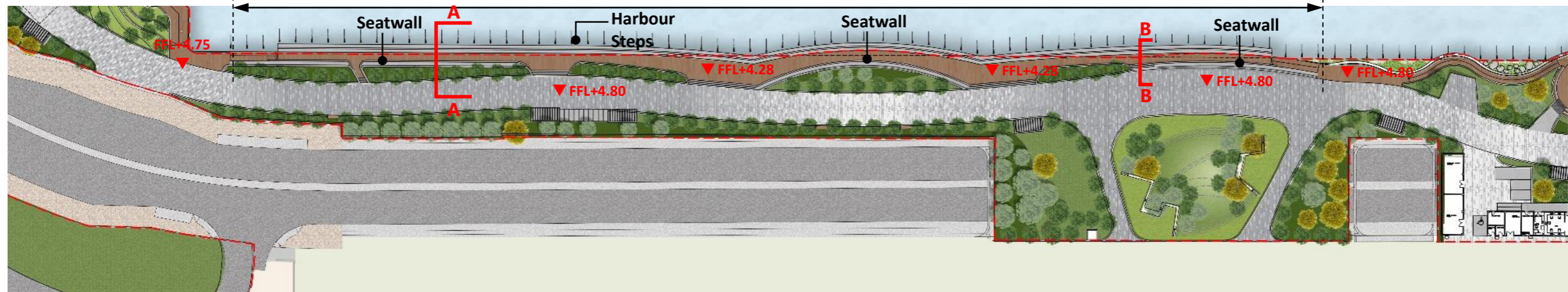
Perspective 2



Linear Promenade and Viewing Station

'Fence-free' Approach and Harbour Steps

Fence-free Approach Area at Seawall Edge

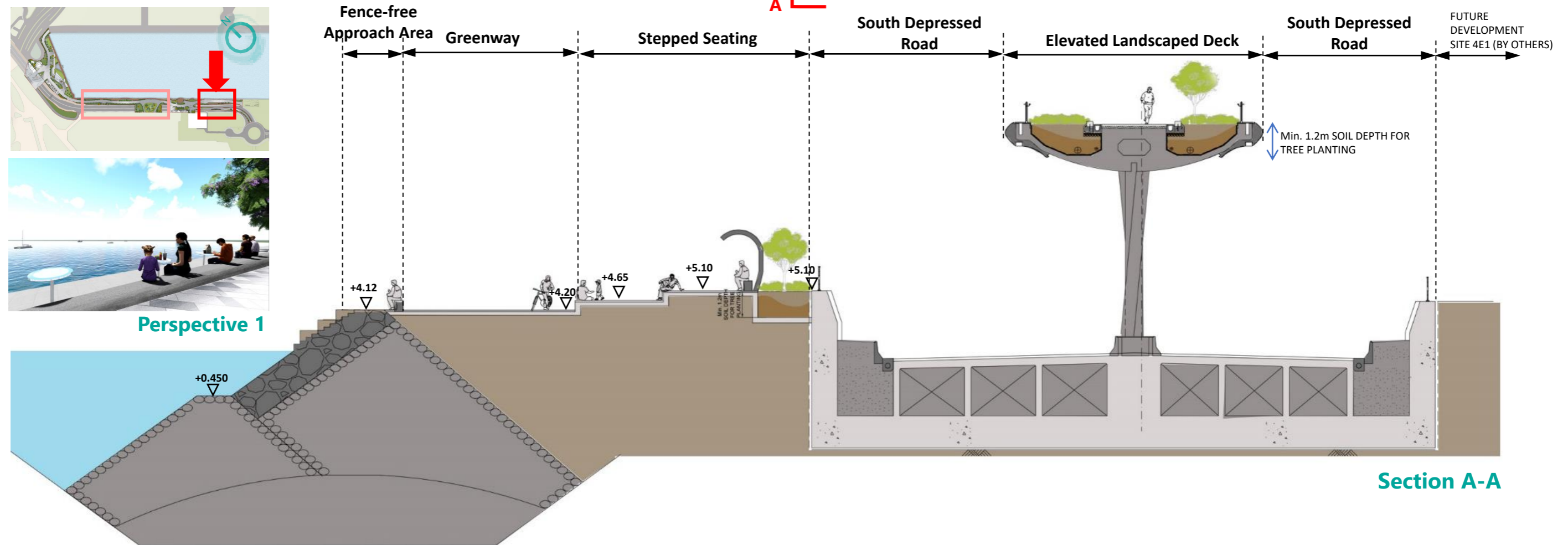
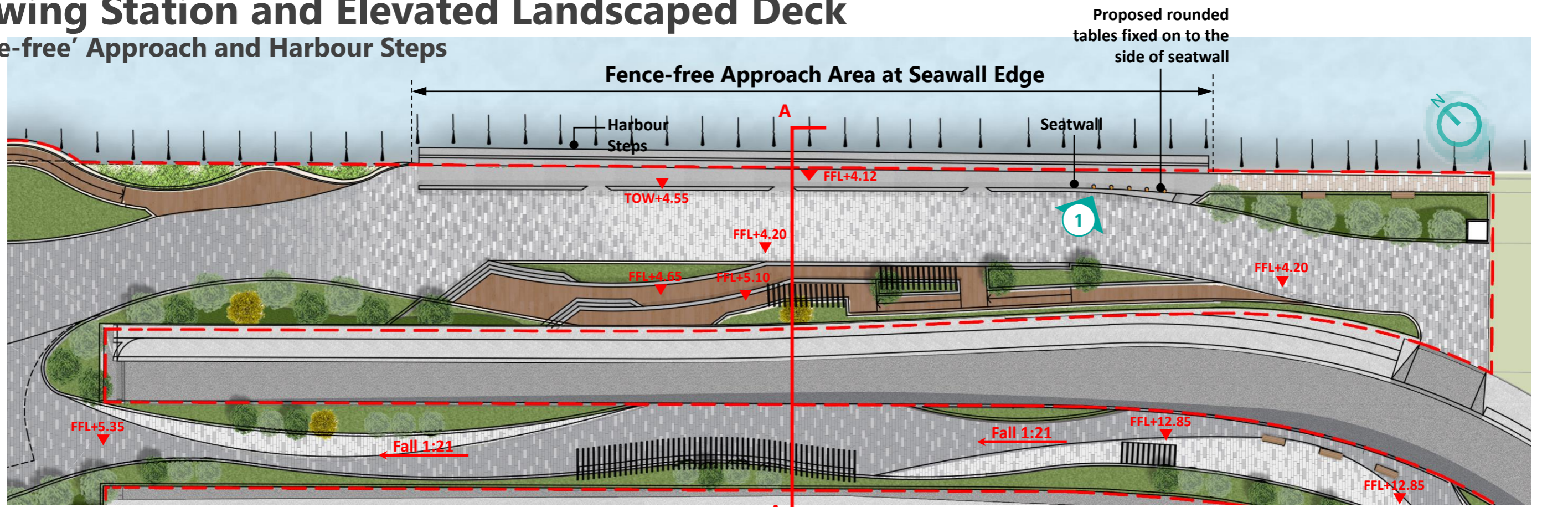


Section B-B

Section B-B Blow Up

Viewing Station and Elevated Landscaped Deck

'Fence-free' Approach and Harbour Steps

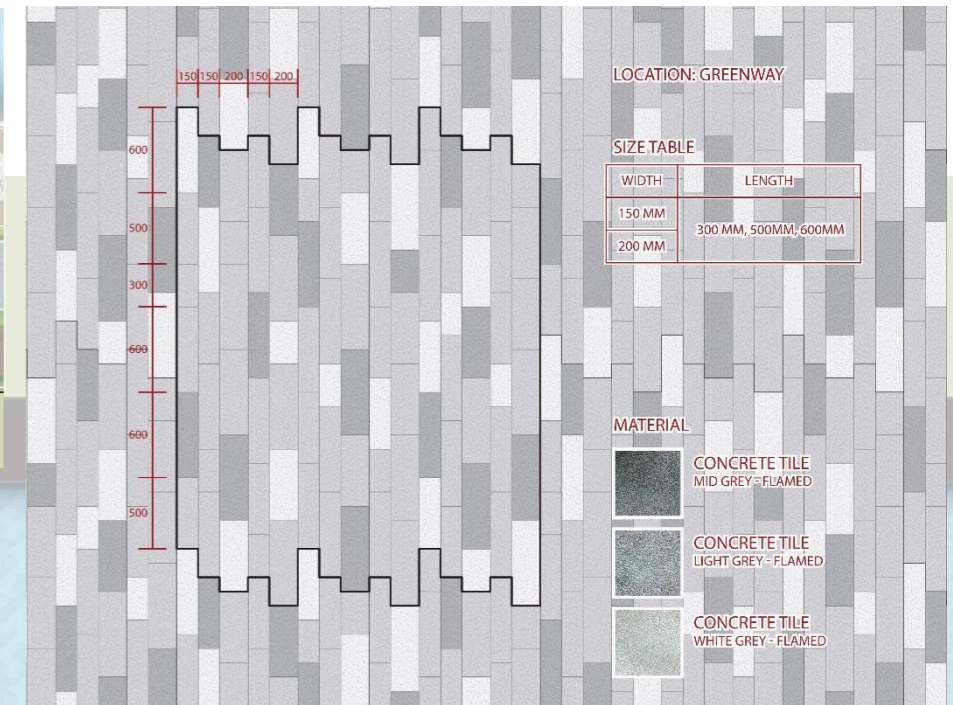
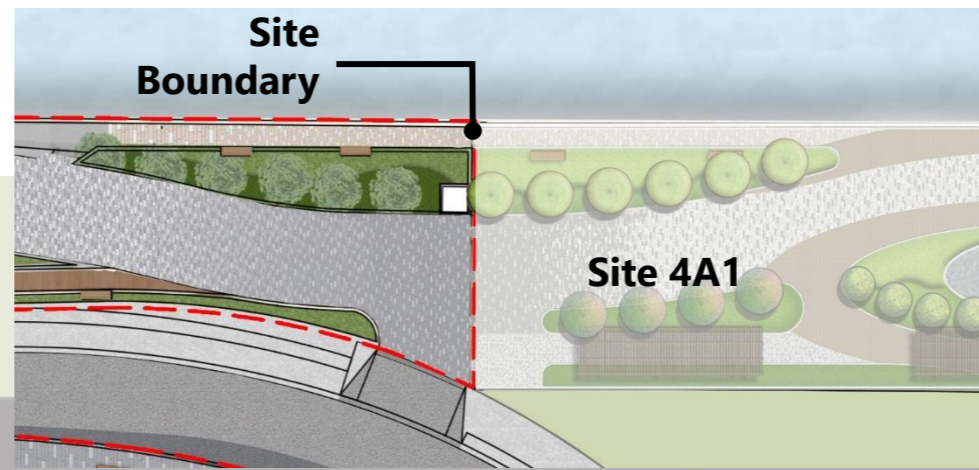


Perspective 1

Section A-A

Remark: Exact Levels are subject to Detailed Design

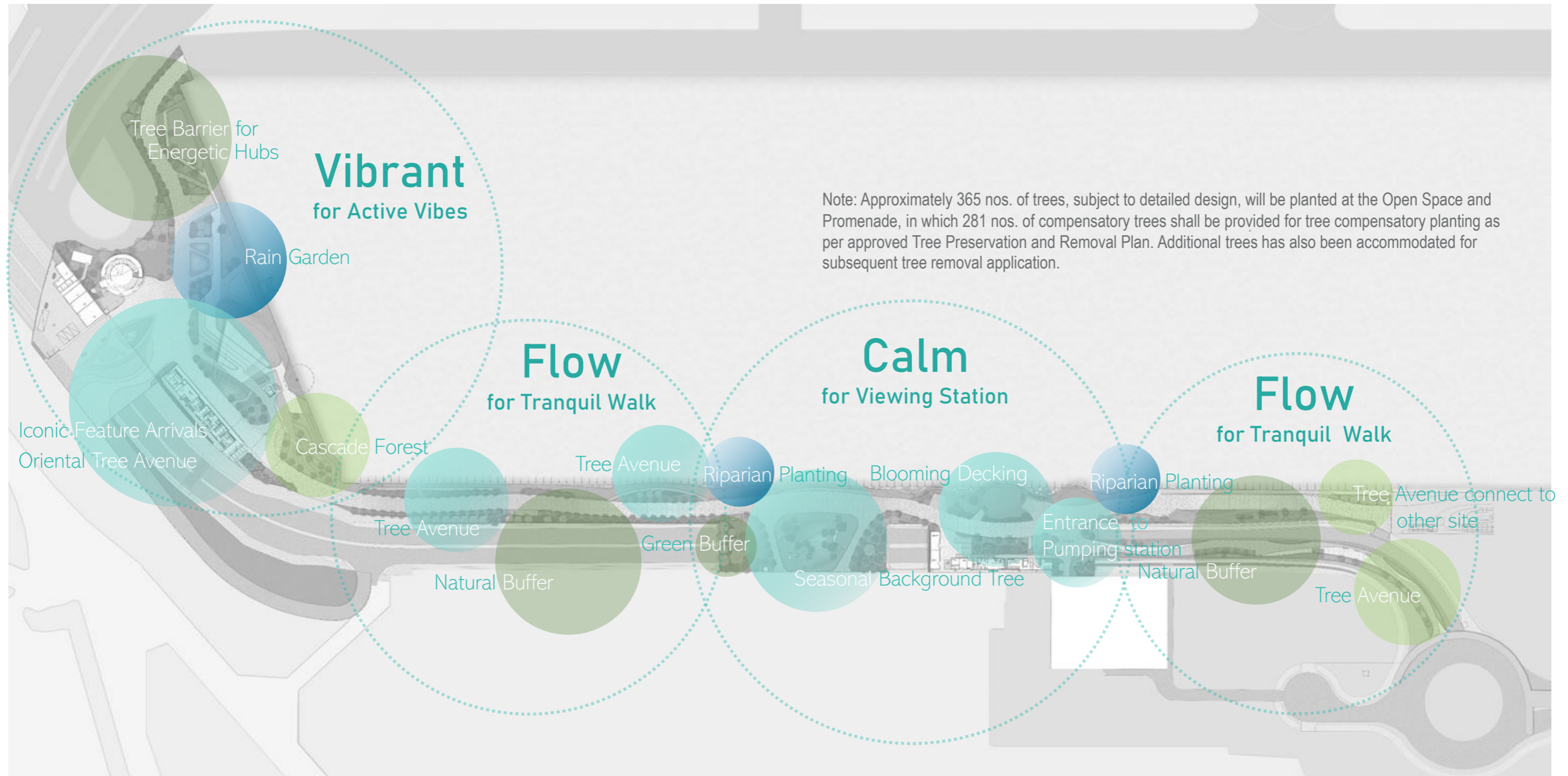
Paving Materials Proposal



Paving Proposal at GreenWay

Planting Strategy

Planting Concept / Zoning



Trees Planting Theme / Character

- Tree Avenue
- Green Buffer
- Flowering Trees / Foliage with Seasonal Change
- Rain Garden / Riparian Planting



Planting Strategy

Planting Seasonal Effect

Spring and Summer



Tabebuia rosea
紅花風鈴木



Elaeocarpus hainanensis
水石榕 #



Melia azedarach
苦楝 #



Jacaranda mimosifolia
藍花楹



Bauhinia variegata
宮粉羊蹄甲



Cassia fistul
豬腸豆 #



Terminalia mantaly cv. Tricolor
錦葉欖仁 #



Terminalia mantaly
細葉欖仁 #

Evergreen Tree



Falcataria moluccana
南洋楹



Cinnamomum burmanii
陰香 #



Ficus microcarpa
細葉榕 #



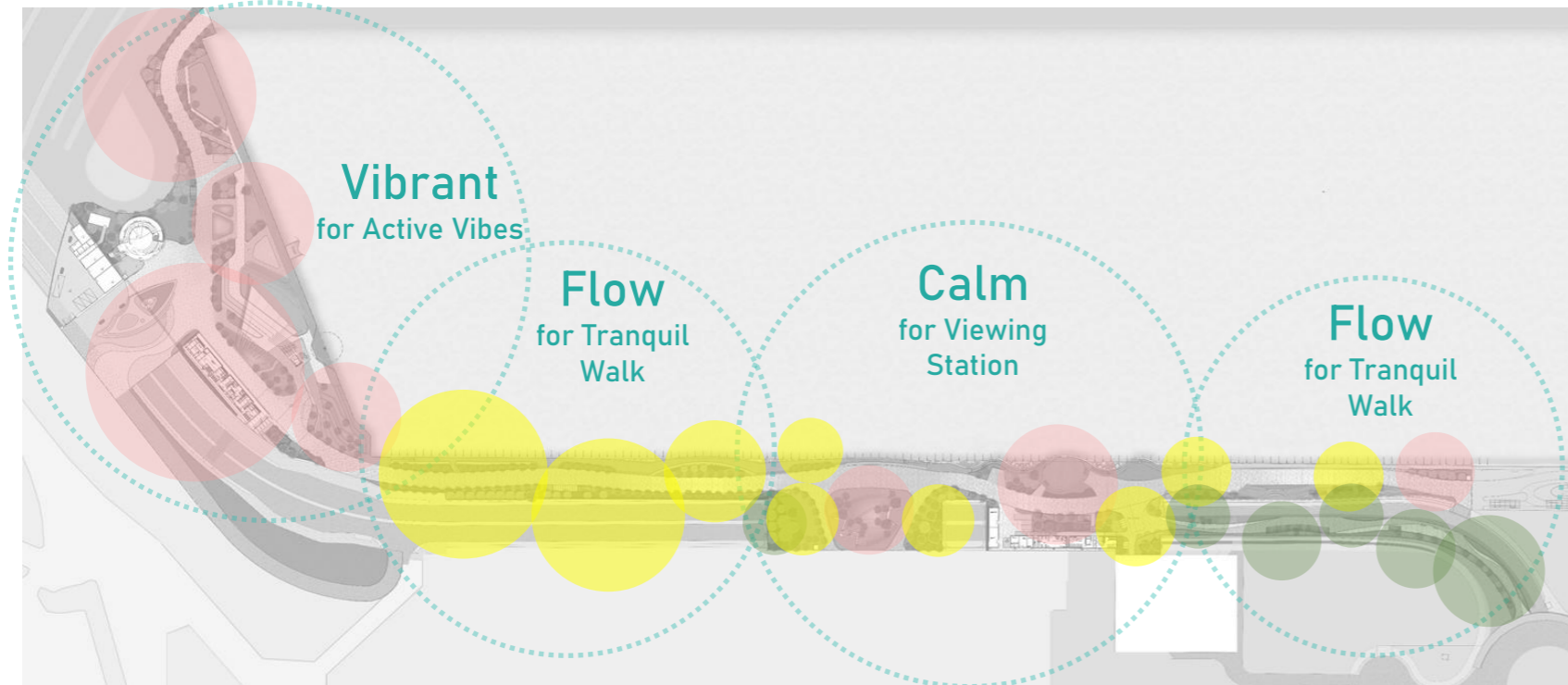
Cinnamomum camphora
樟樹 #

Autumn and Winter



Liquidambar formosana 楓香 #

(# Wind tolerant)



Seasonal Effect

- Evergreen Tree
- Spring and Summer
- Autumn and Winter

Planting Strategy

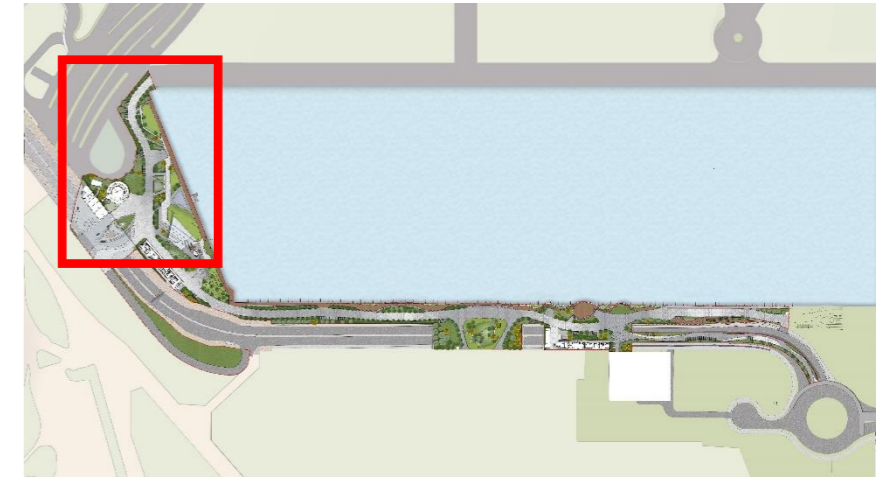
Tree Planting

Different layers of green / Welcoming blossom arrivals /

Golden shower to the Sea

Vibrant

for Active Vibes



Cinnamomum burmanii
陰香



Cinnamomum camphora
樟樹



Tabebuia rosea
紅花風鈴木



Elaeocarpus hainanensis
水石榕

Evergreen Tree
Flowering : Jan to March (last around 1 week for full bloom)
Fruit : Feb to April

Planting Strategy

Tree Planting

Different layers of green / Welcoming blossom arrivals / Feature planting surround Amphitheatre / Birdwatching Lawn / Spring Shower at Entrance

Vibrant for Active Vibes

Detail planting design subject to LCSD's review and relevant Government's approval of Tree Preservation and Removal Application.



Tabebuia rosea
紅花風鈴木



Jacaranda mimosifolia
藍花楹



Terminalia mantaly
細葉欖仁



Cinnamomum burmanii
陰香



Melia azedarach
苦楝



Ficus microcarpa
細葉榕



Cinnamomum camphora
樟樹



Falcataria moluccana
南洋楹



Cassia fistula
豬腸豆

Planting Strategy

Tree Planting



● *Cinnamomum camphora*
樟樹



● *Cinnamomum burmanii*
陰香

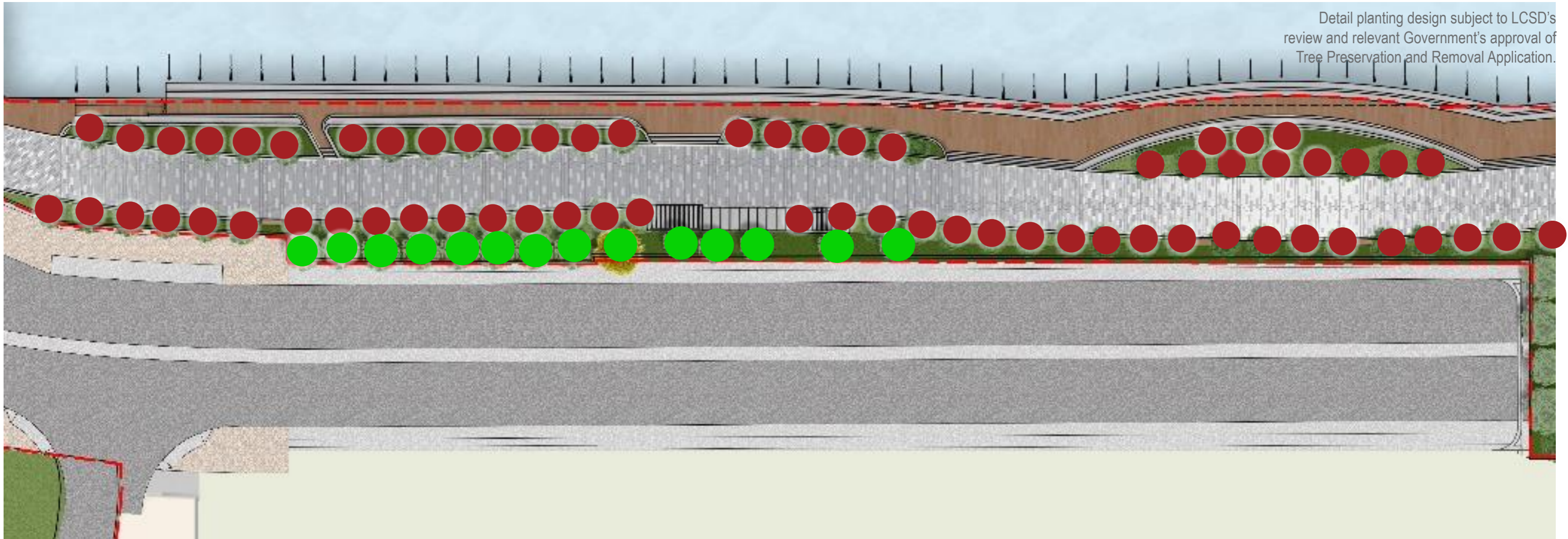


● *Liquidambar formosana*
楓香
Deciduous
Fall : Nov to Jan



Tranquil Atmosphere / Pleasant Greenway / Under Shade Seaside Walk / Tree Avenue / Fall Color Tree Walk

Flow
for Tranquil Walk



Planting Strategy

Tree Planting

Calm

for Viewing Station



Pause to observe the seasonal changes /
Autumn foliage along the Central Lawn /
Glow Shower at Central Lawn in Spring /
Under Shade Seating surrounded by Towering Trees



Falcataria moluccana
南洋楹

Cinnomum camphora
樟樹

Cinnamomum burmanii
陰香

Melia azedarach
苦楝

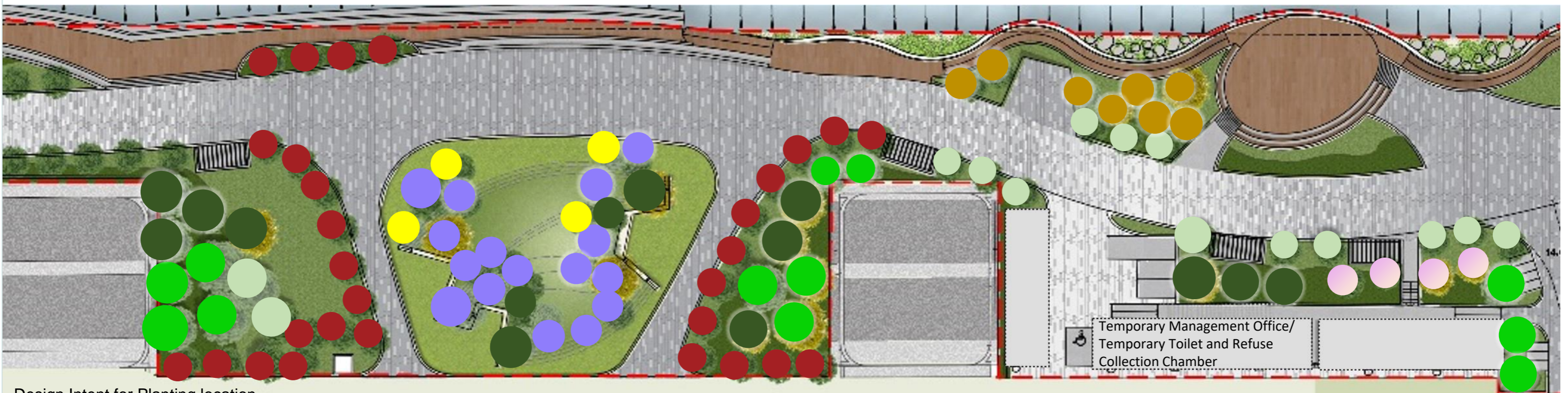
Liquidambar formosana
楓香



Cassia fistul
豬腸豆

Bauhinia variegata
宮粉羊蹄甲

Terminalia mantaly
cv. Tricolor 錦葉欖仁



Design Intent for Planting location
& species for Design Workshop.
Not for the final submission use.

Temporary Management Office/
Temporary Toilet and Refuse
Collection Chamber

Planting Strategy

Tree Planting



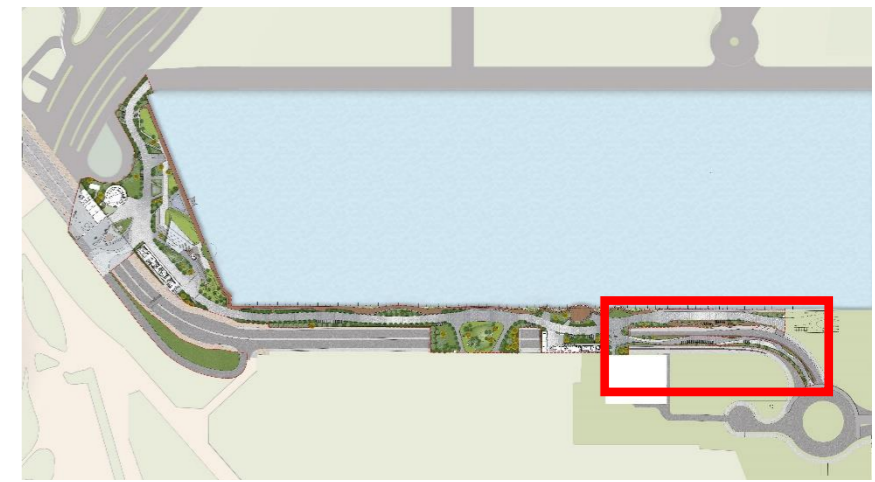
● *Liquidambar formosana*
楓香



● *Cinnamomum burmanii*
陰香



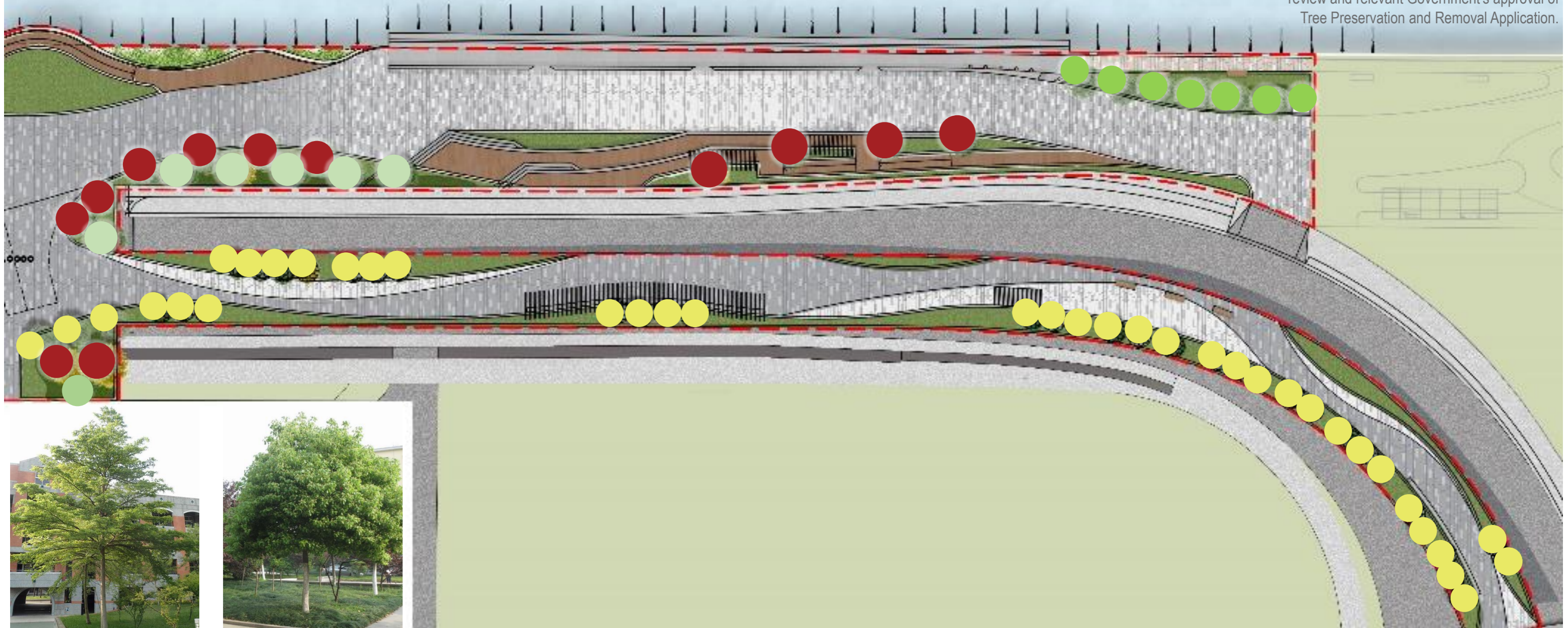
● *Elaecarpus hainanensis*
水石榕



Flow for Tranquil Walk

Tranquil Atmosphere / Pleasant Greenway / Under Shade Seaside Walk / Tree Avenue

Detail planting design subject to LCSD's review and relevant Government's approval of Tree Preservation and Removal Application.



● *Terminalia mantaly*
細葉欖仁



● *Cinnamomum camphora*
樟樹