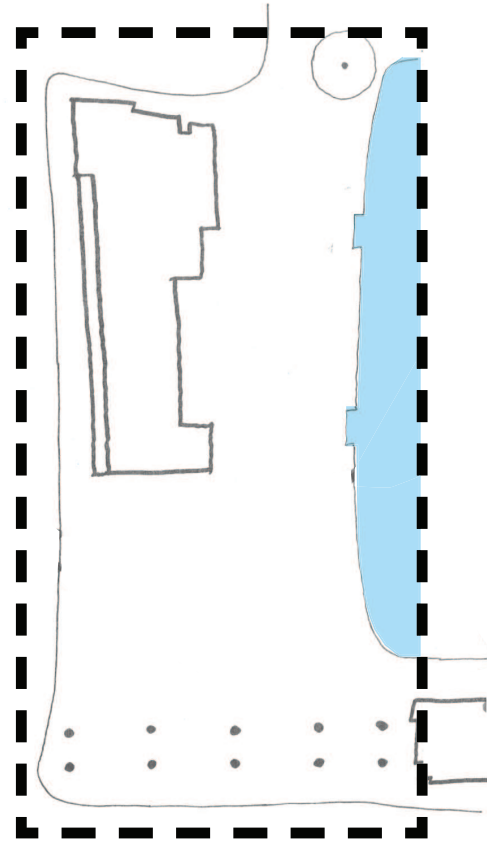




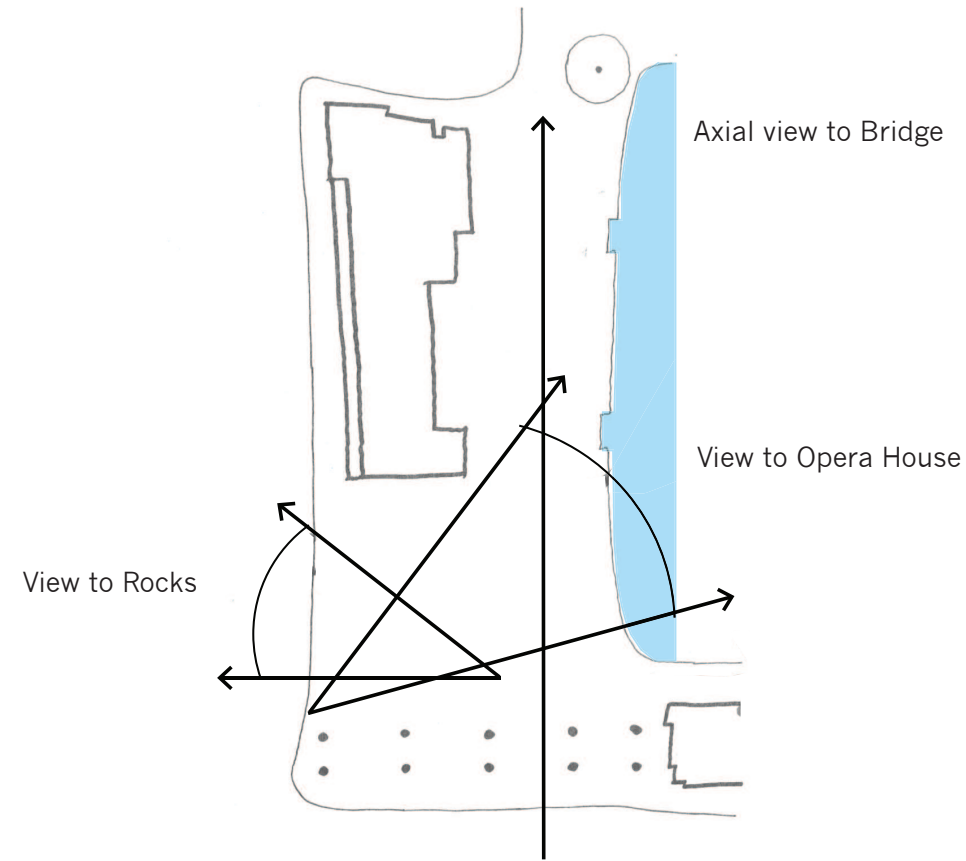
West Circular Quay Public Domain Revitalisation

Project Plans prepared for Environmental Assessment Project Application
June 2010



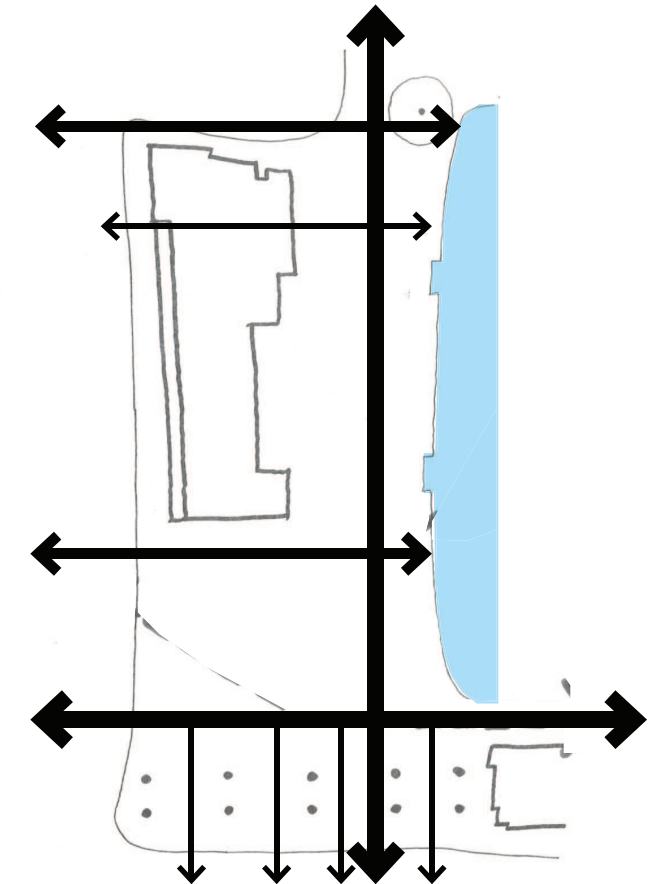
1# a unified space rather than series of separate parts

- Create a solution that unifies disparate spaces and elements to create a cohesive whole.
- Recognise the significance of the space within the wider context of Circular Quay, the redevelopment of the MCA and the future public urban square on Alfred Street.



2# the broad view

- Open views to and from George Street, and along the waterfront.
- Remove planting to allow for unobstructed prospect of the harbour and the Opera House.



3# connections + permeability

- Improve access from First Fleet Park and Circular Quay West to the Rocks.
- Create unimpeded access from Alfred Street to First Fleet park and beyond.
- Create a structure that works in tandem with the network of streets and lanes in the rocks.
- Remove barriers, edges and clutter to allow for unimpeded access.

PRINCIPLES DIAGRAM

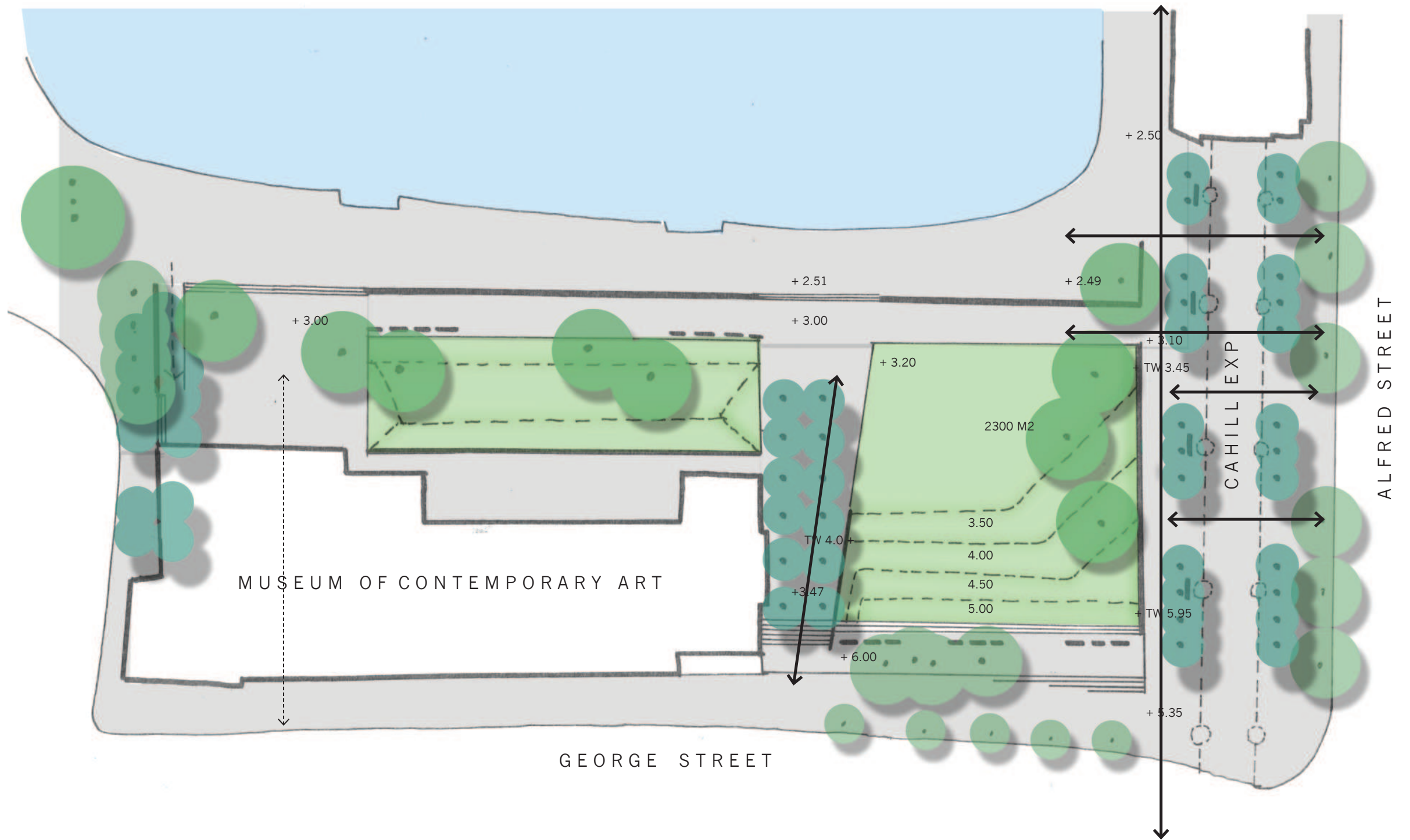
1. Create a simplified and unified space

2. Create clear and generous links to the Rocks and George Street and Alfred Street.

3. Reinforce the promenade and create informal and formal seating for viewing.

4. Create a square at the MCA for outdoor exhibitions

5. Locate landmark trees to preserve views and provide shade.





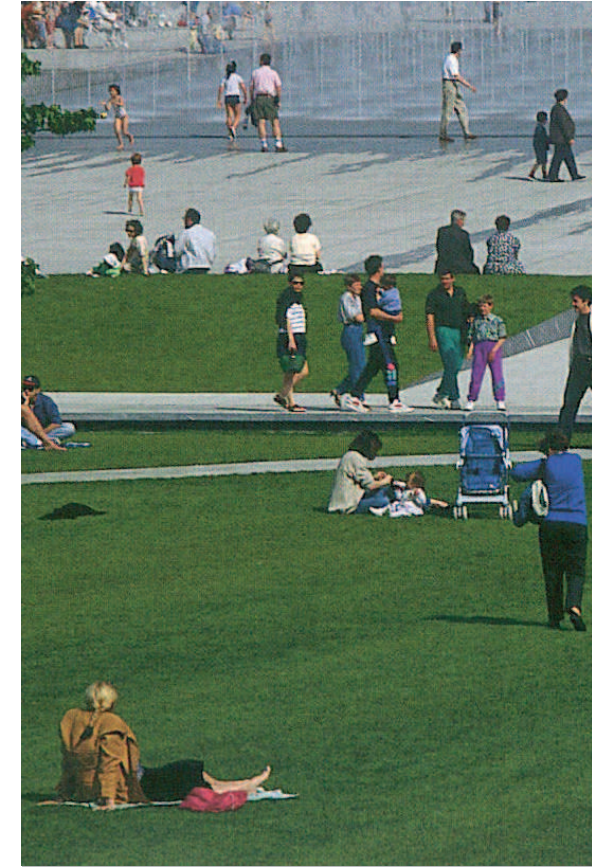
utilise the topography

Create a lawn 'stage', an amphitheater that connects George Street and The Rocks to Circular Quay.



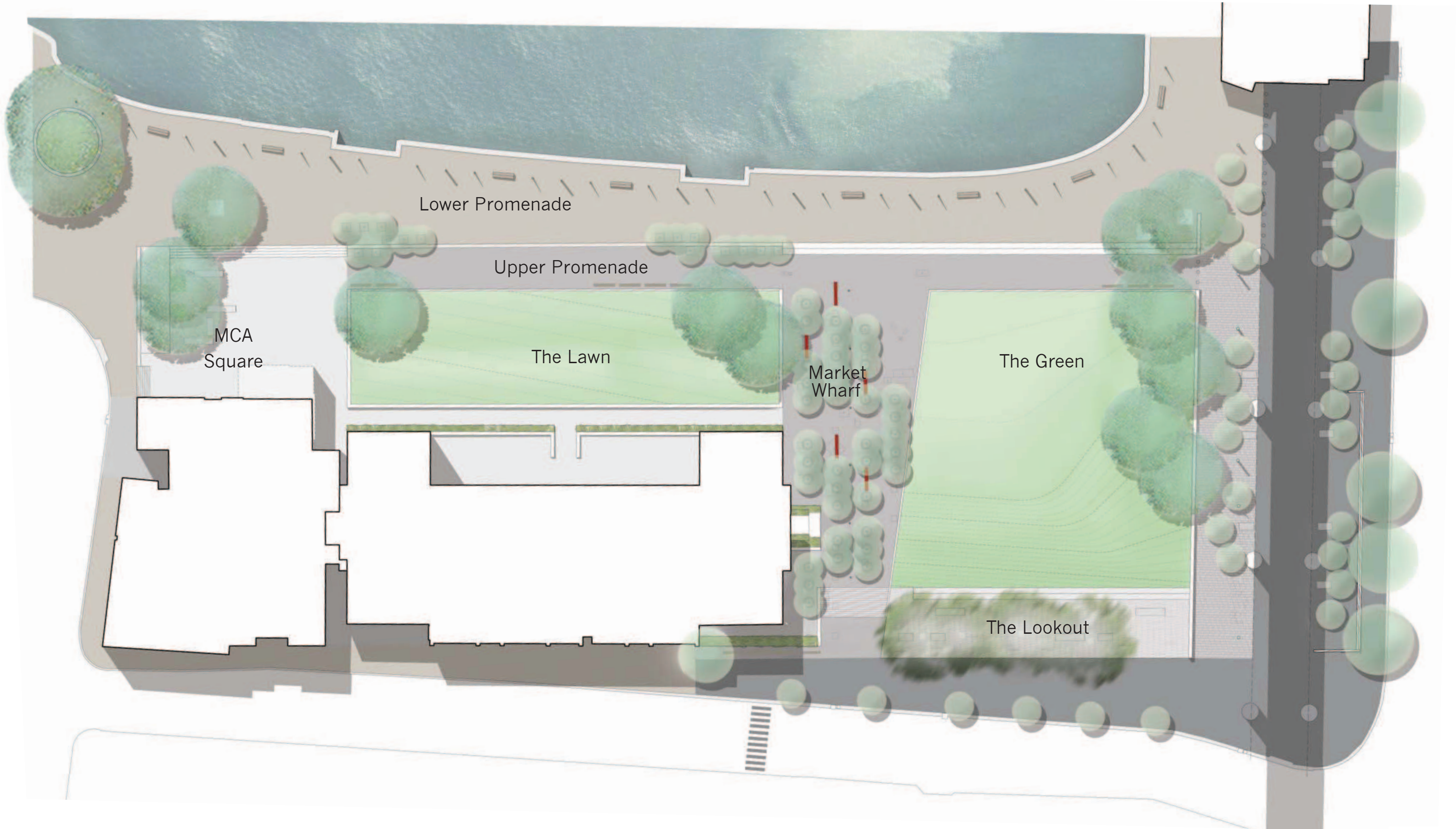
a tangible history

Create a structure that is informed by the history of the site. This may include the former historic alignments.



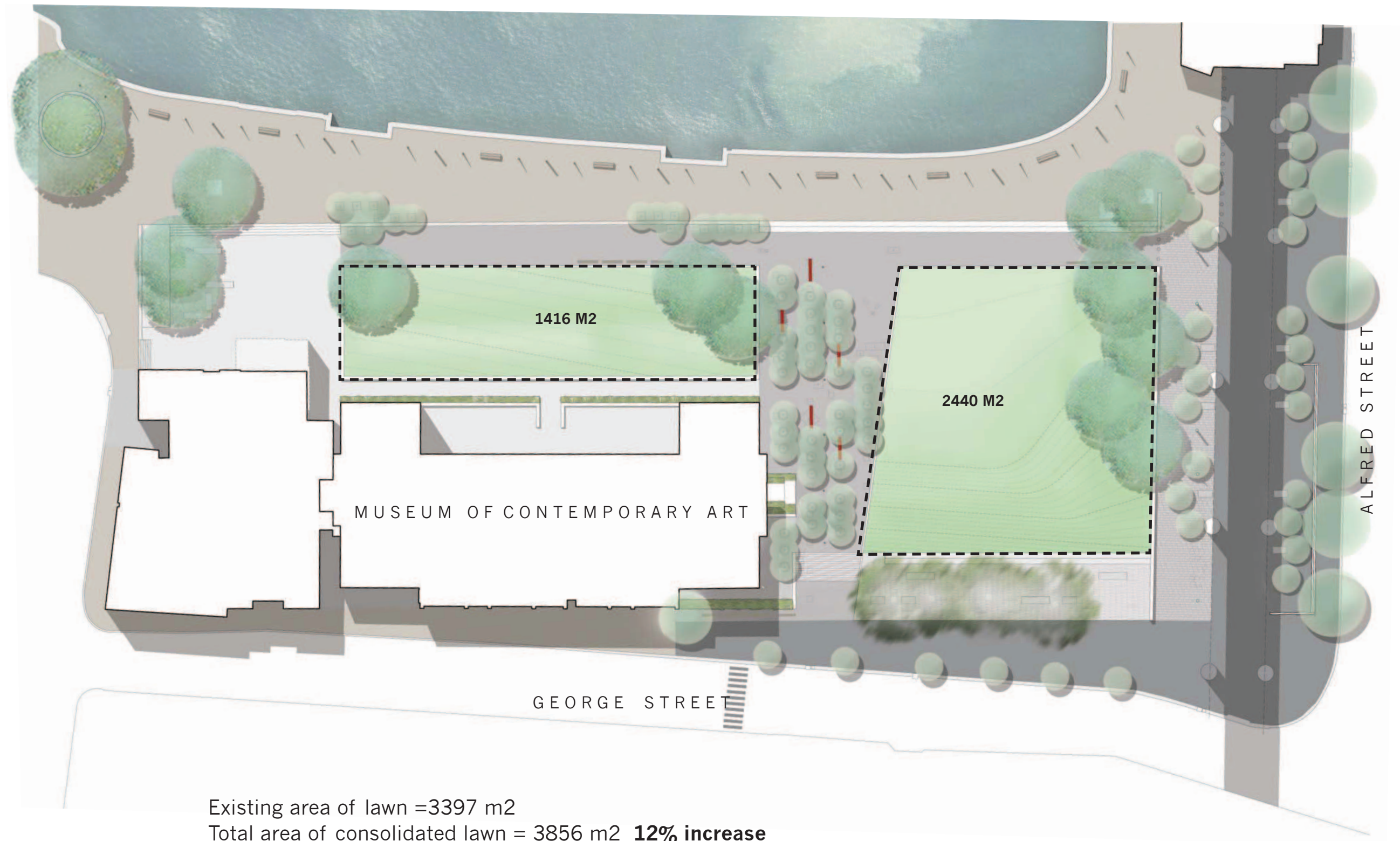
a place of respite

Create a place of respite, an oasis from the activity of the Quay. Create opportunities for informal and formal seating, places to watch, recline and picnic.



PRINCIPLES

1. Create a simplified and unified space

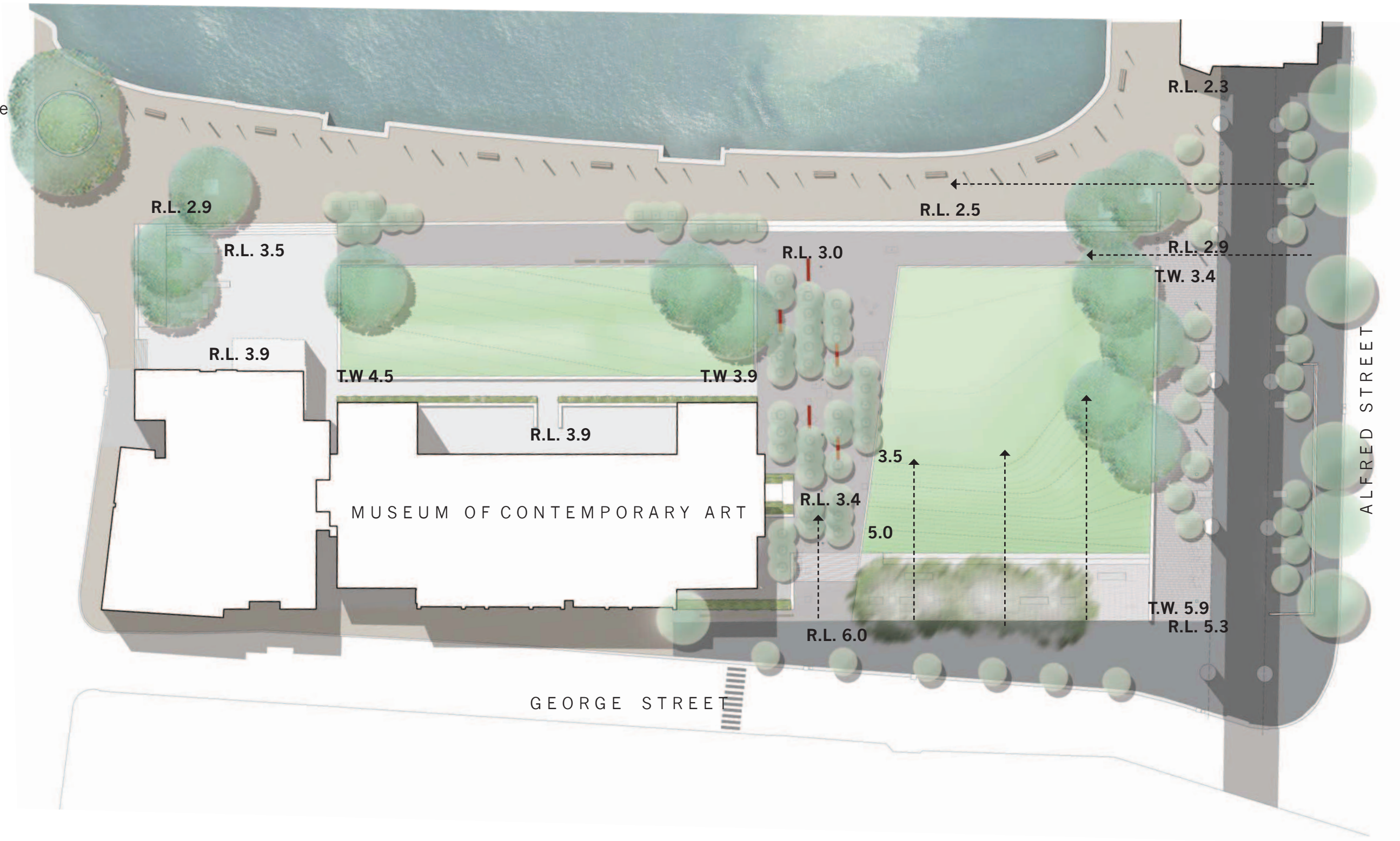


PRINCIPLES

1. Create a simplified and unified space

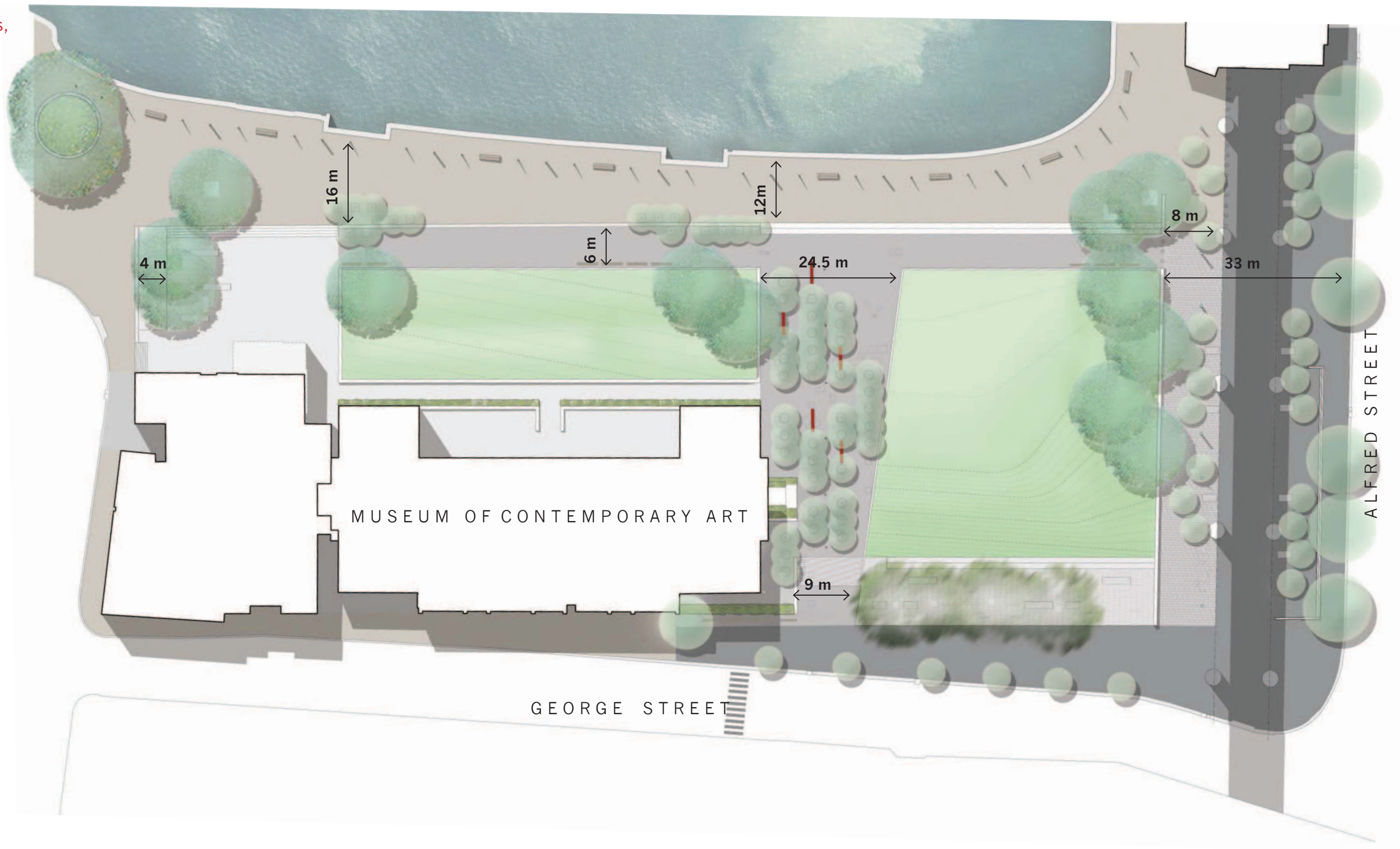
Integration with existing surrounding levels to create

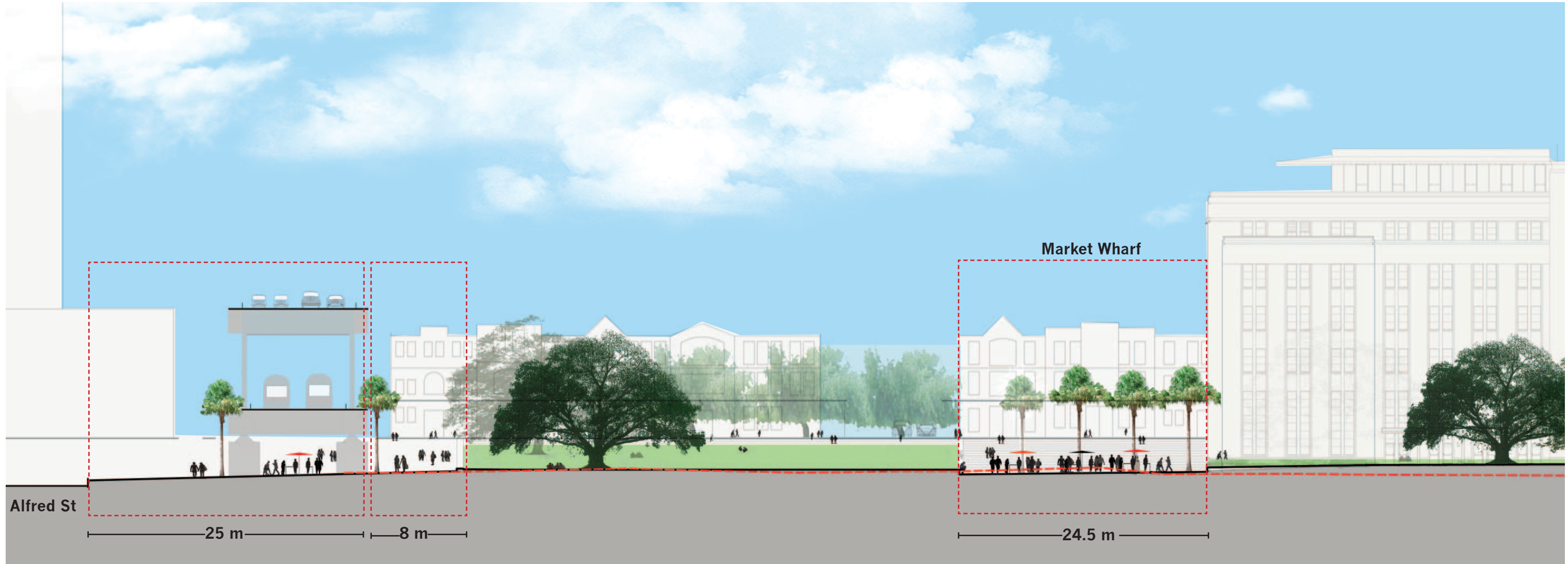
- seamless lawn space that grades down to the foreshore
- accessible route to George Street



PRINCIPLES

1. Create a simplified and unified space
2. Create clear and generous pedestrian links to the Rocks, George St and Alfred Street





CIRCULATION



1 Signage location:
Incorporate way finding signage into paving at key junctions

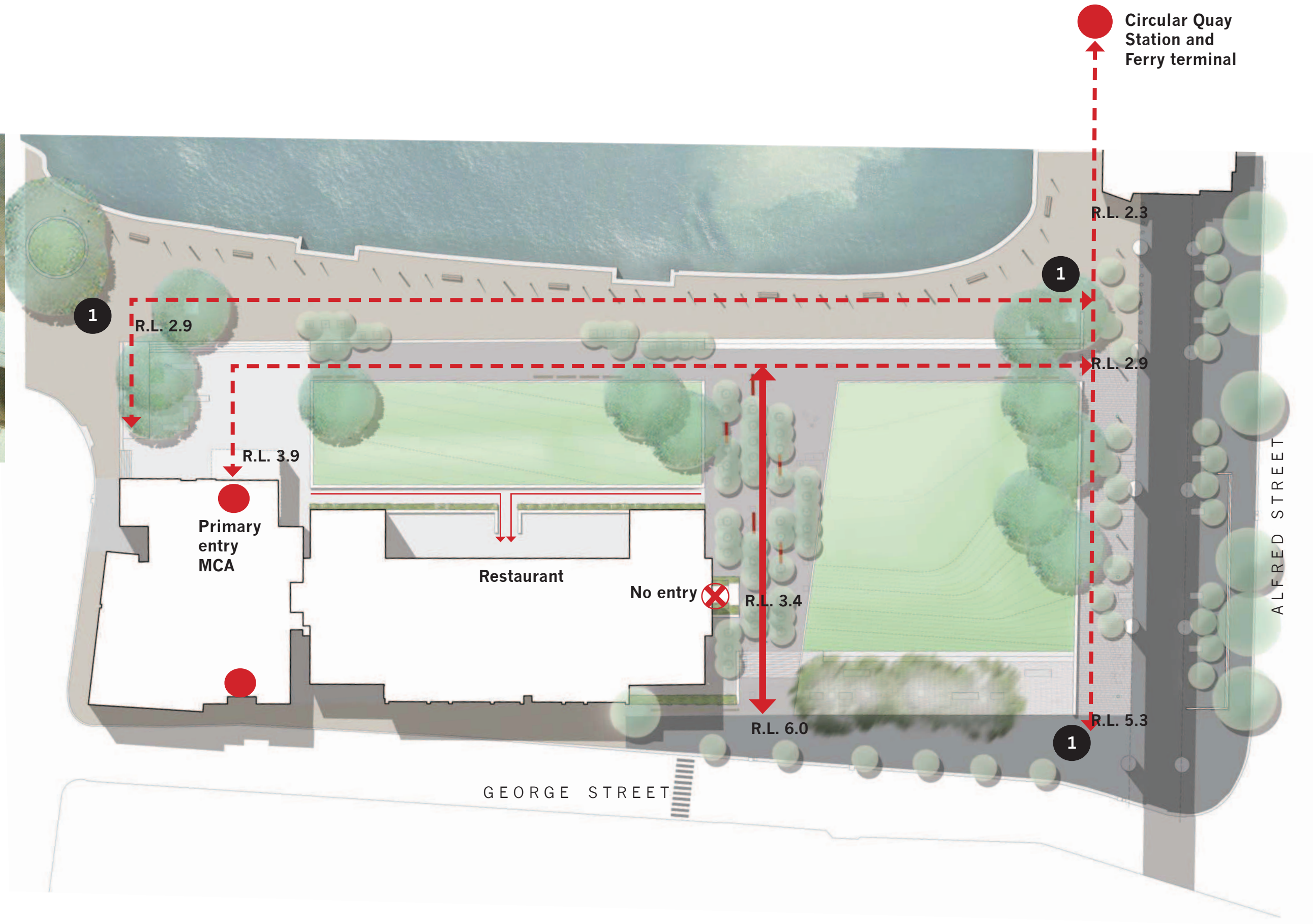
● Primary entries/uses

⊗ Existing entry to MCA building : not for public access

↔ Primary access path
equal access route

↔ Primary access path
With stairs

↔ Secondary access path





2 . Access: steps

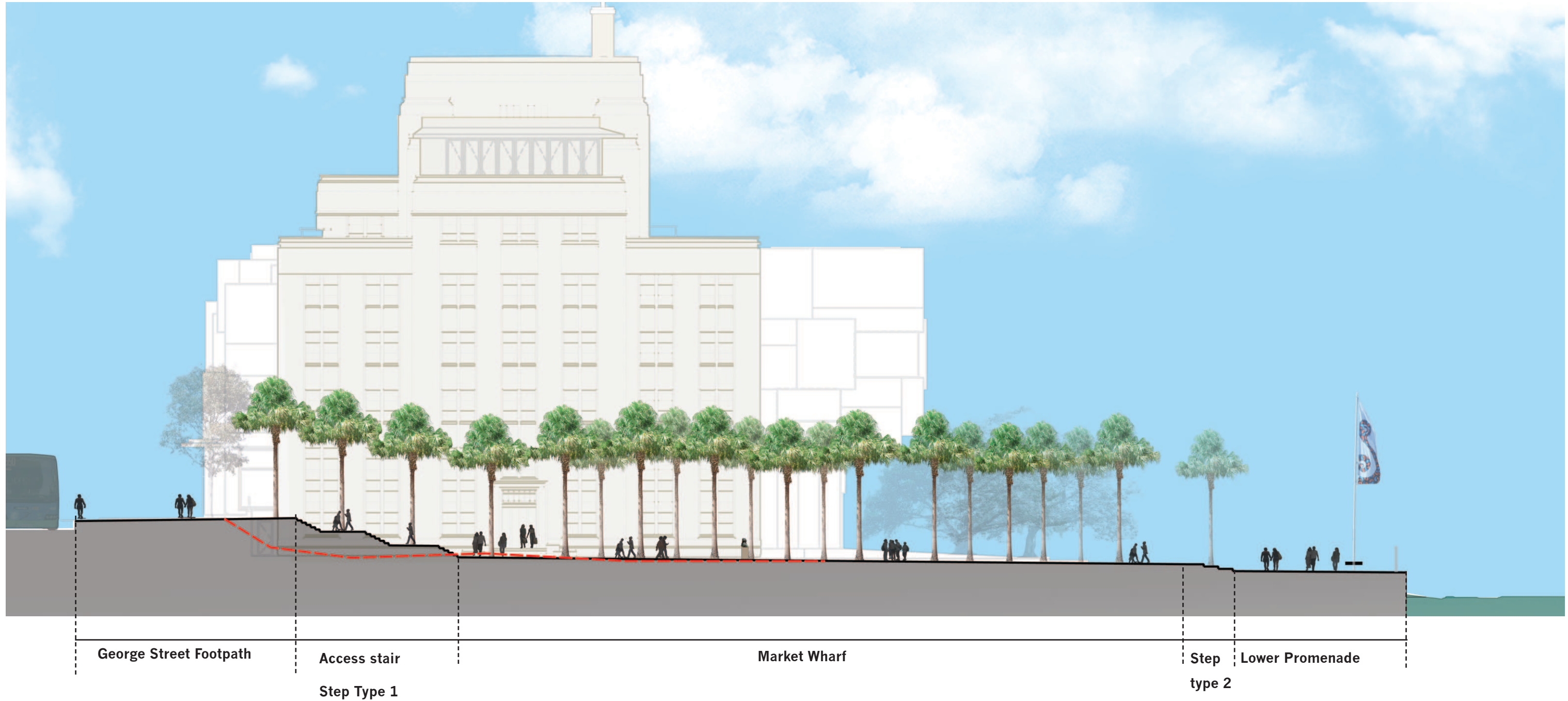
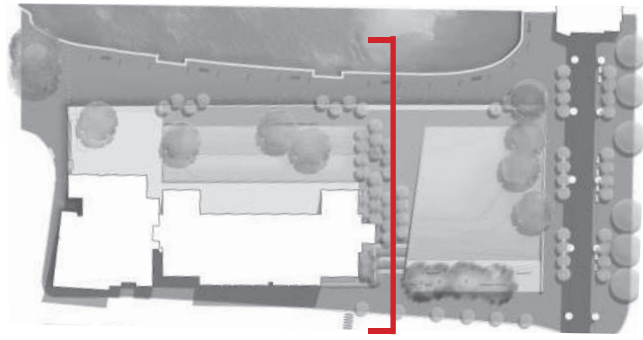
- Step Type 1:** Access stair 310mm wide x 155mm high treads granite
- Step Type 2:** Seat/ access steps 600 mm wide x 155 mm high treads concrete
- Step Type 3:** Access steps 310 mm wide x 155 mm high treads concrete

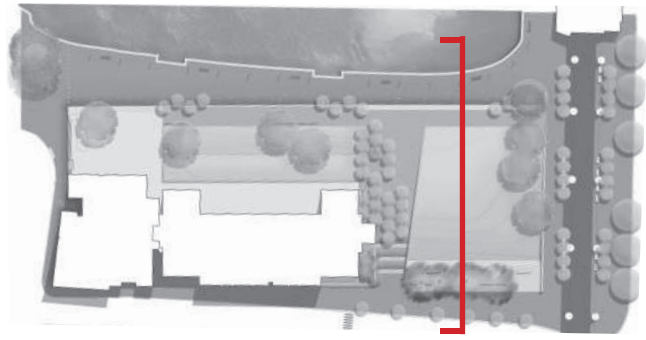


Step Type 1: Access stair 310mm wide x 155mm high treads granite to match paving



Step Type 2: Seat/ access steps 600 mm wide x 155 mm high treads precast concrete





George Street
Footpath

The
Lookout

Step
Type 2 Tank
150 kL

The Green

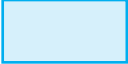


Upper
Promenade type 2
Step

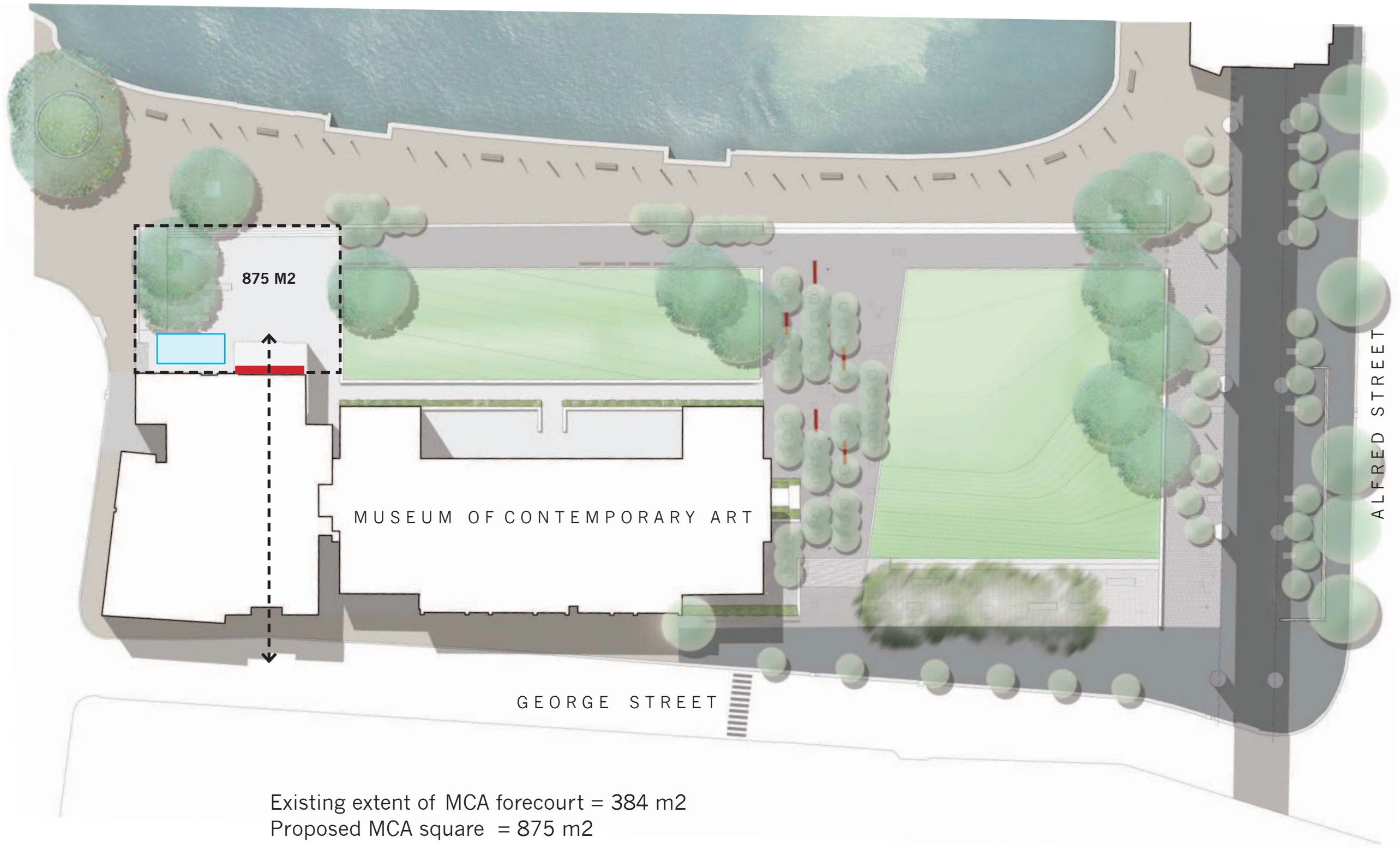
Lower Promenade

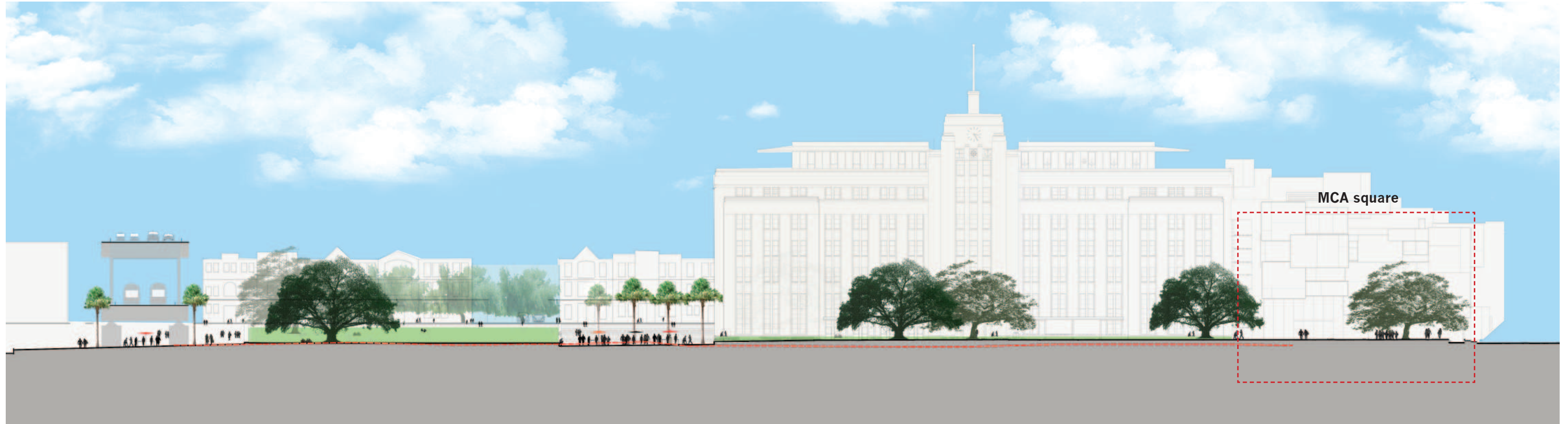
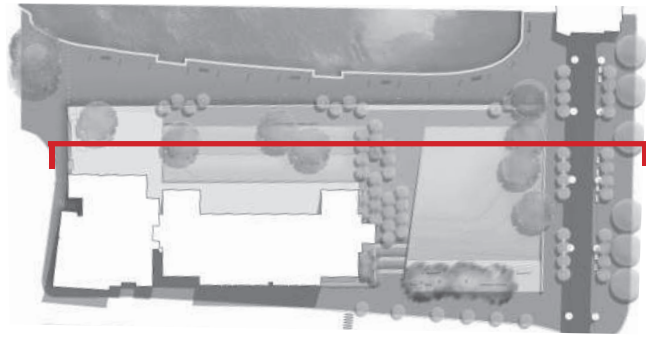


PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square at the MCA entry

-  Interpretation zone
-  MCA square extent
-  MCA entry





The Green

Market Wharf

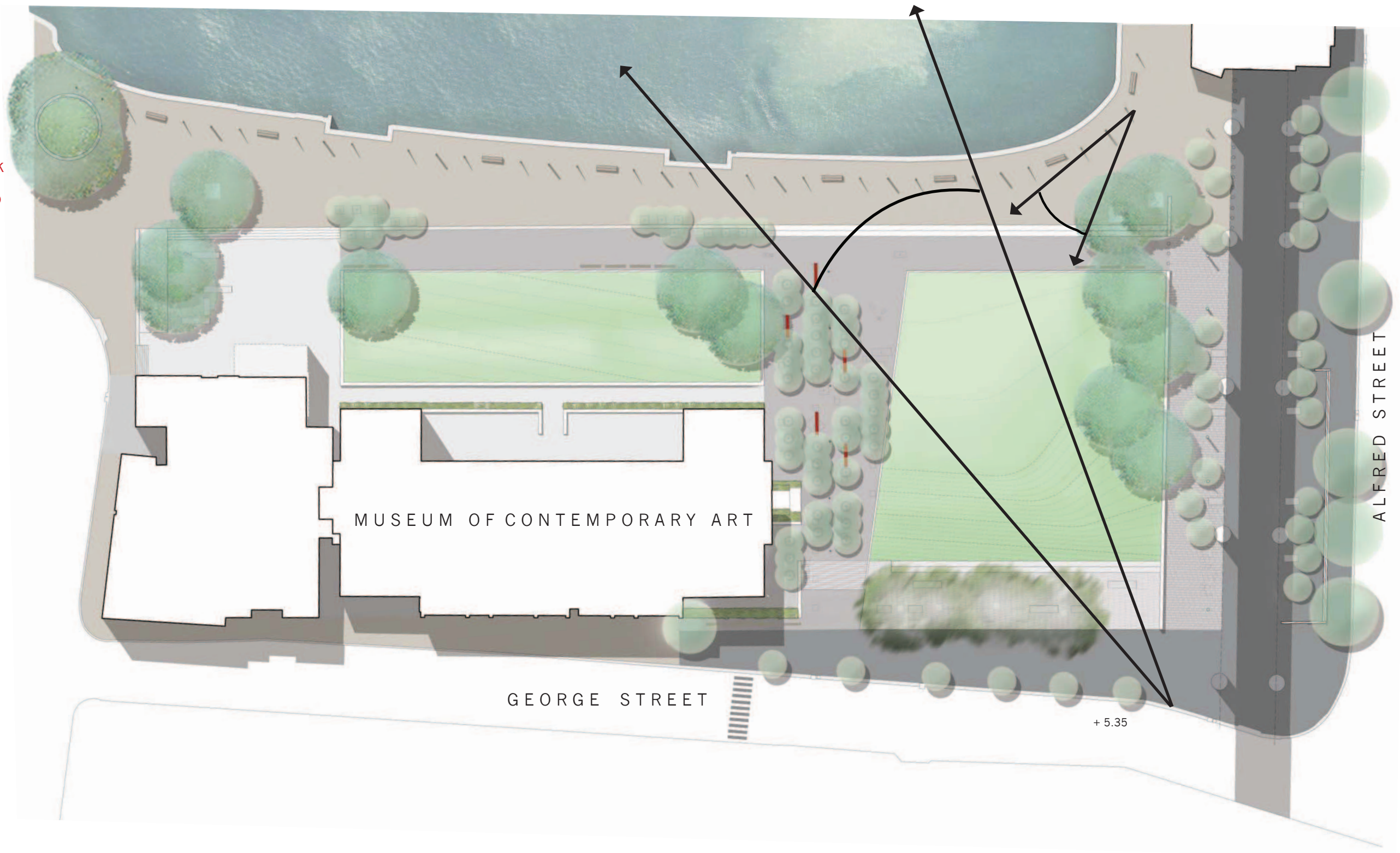
The Lawn

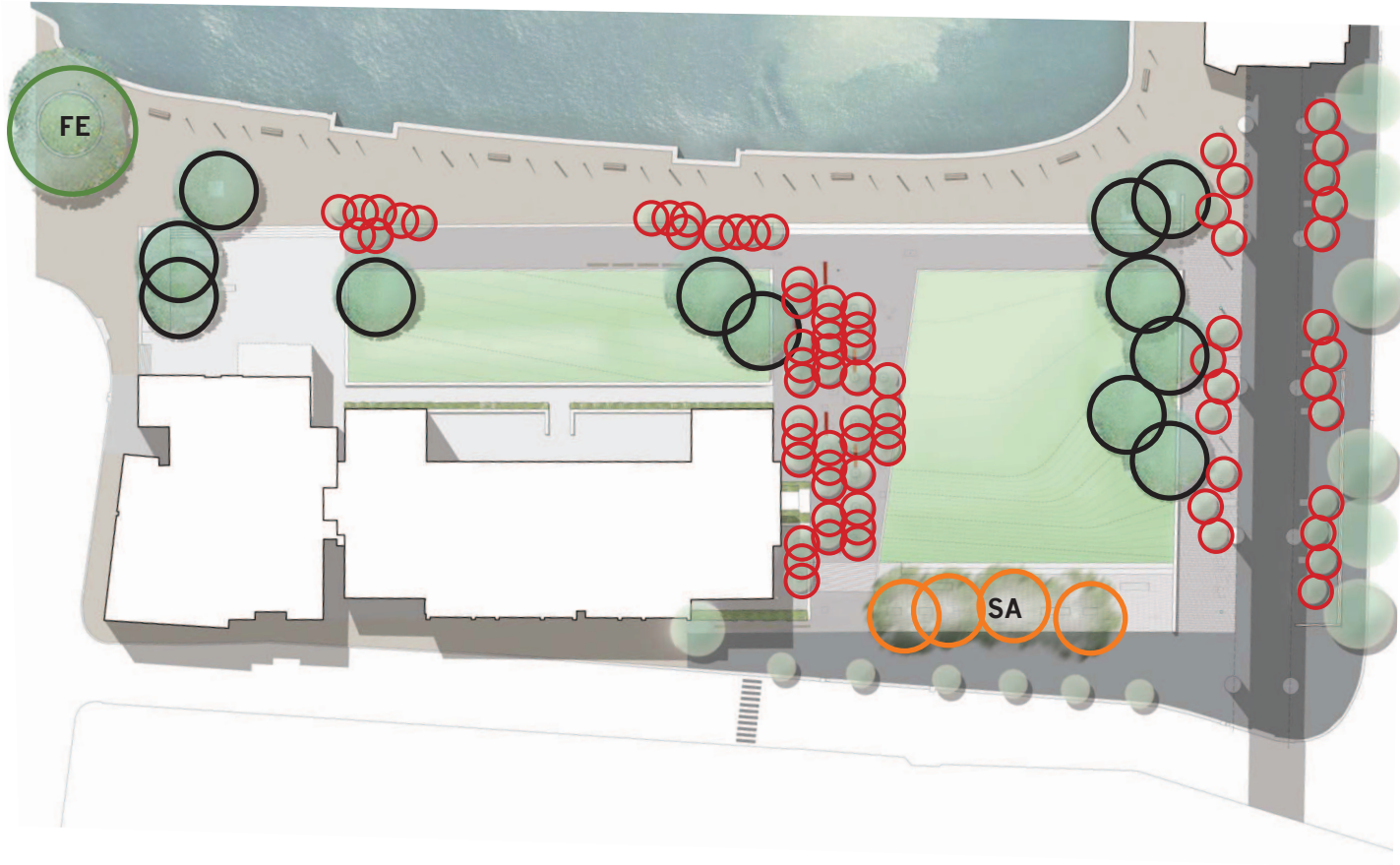
MCA square

36 m

PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade



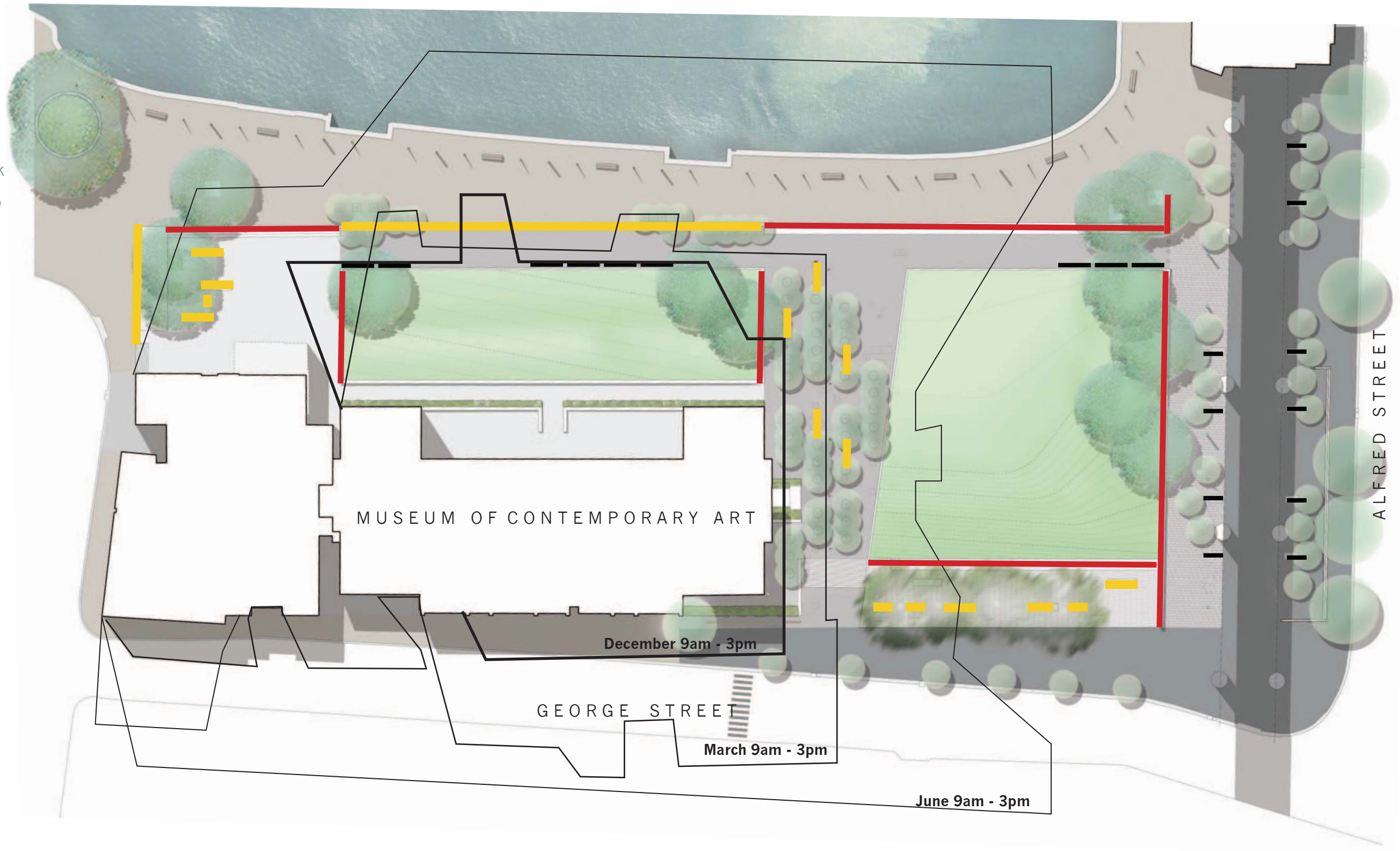


4 . Shade and trees

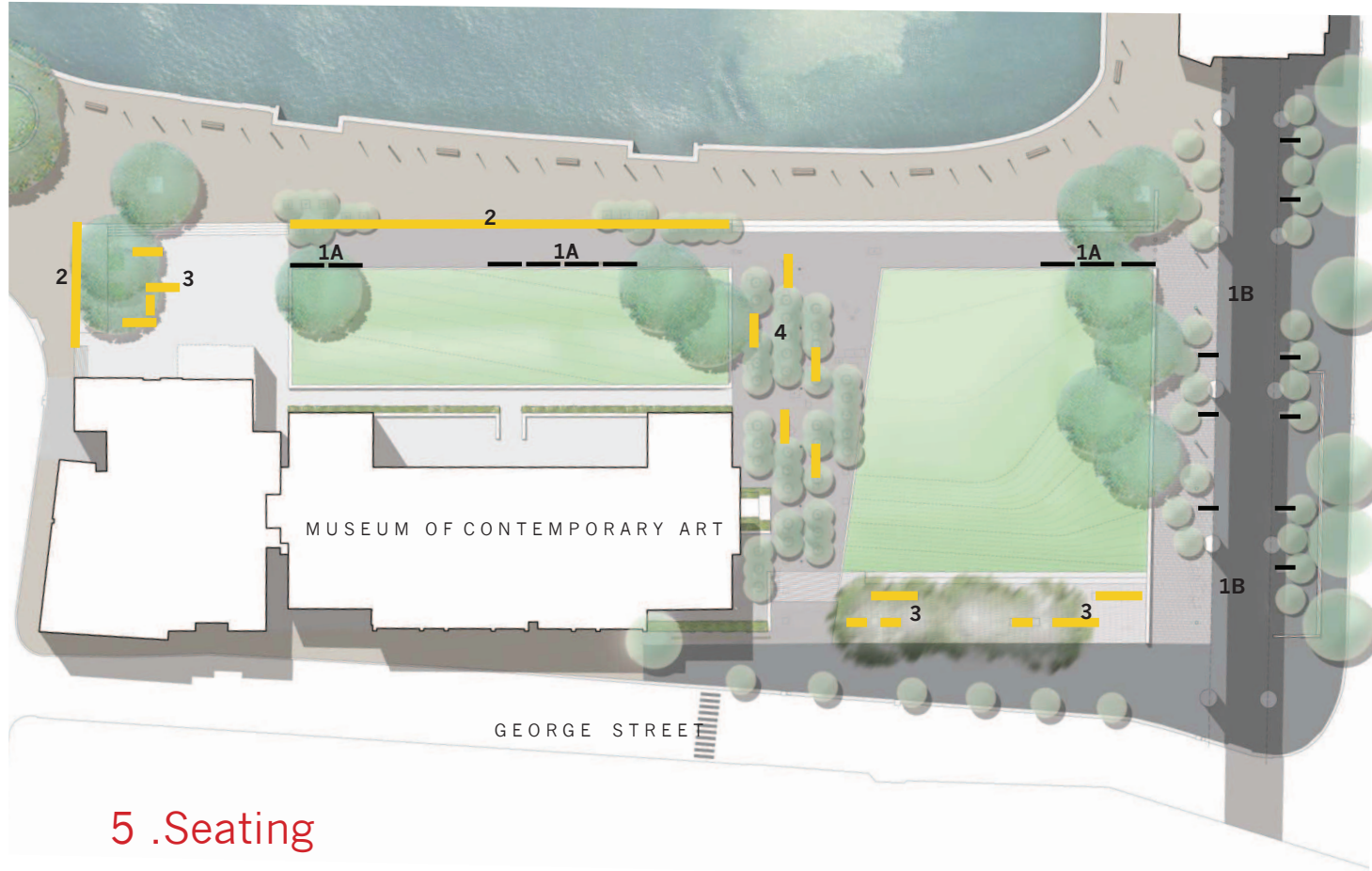
- FE **Ficus elastica:** Rubber tree - Retain and address health
- SA **Schinus areira:** Peppercorn Tree Retain 4 and remove 4
- Livistona australis:** Cabbage Tree Palms: Total no. 63 (comprising approx 20 relocated from site).
- Ficus rubiginosa:** Port Jackson Fig: Total no. 12

PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade
5. Create generous provision of informal seating (steps, walls) and formal shaded seating



- Informal seating
- Formal seating
- Custom seating



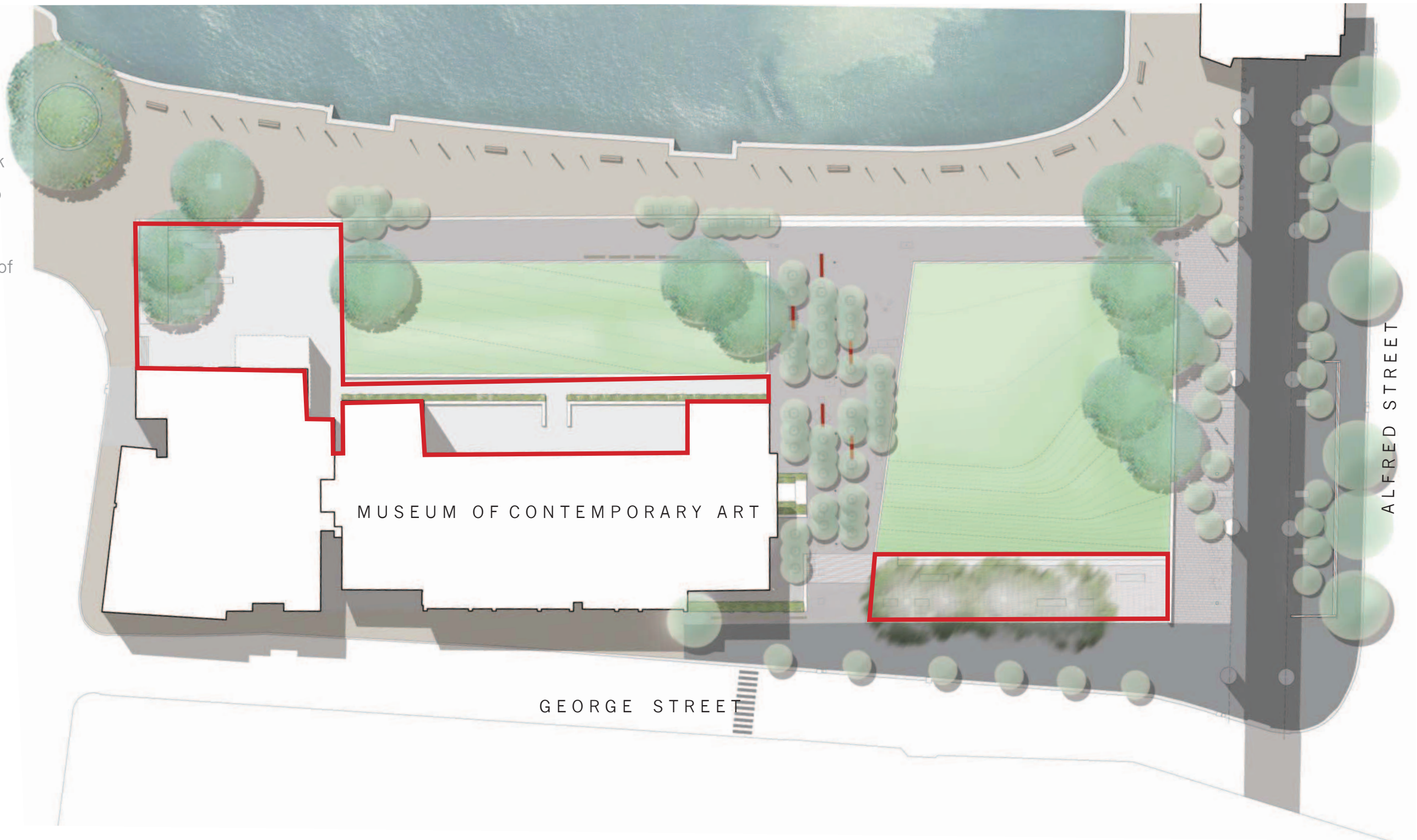
5 .Seating

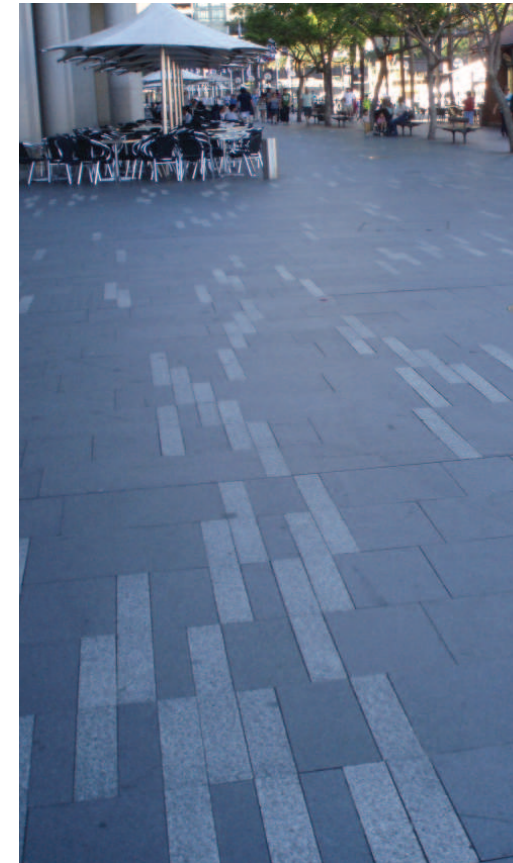
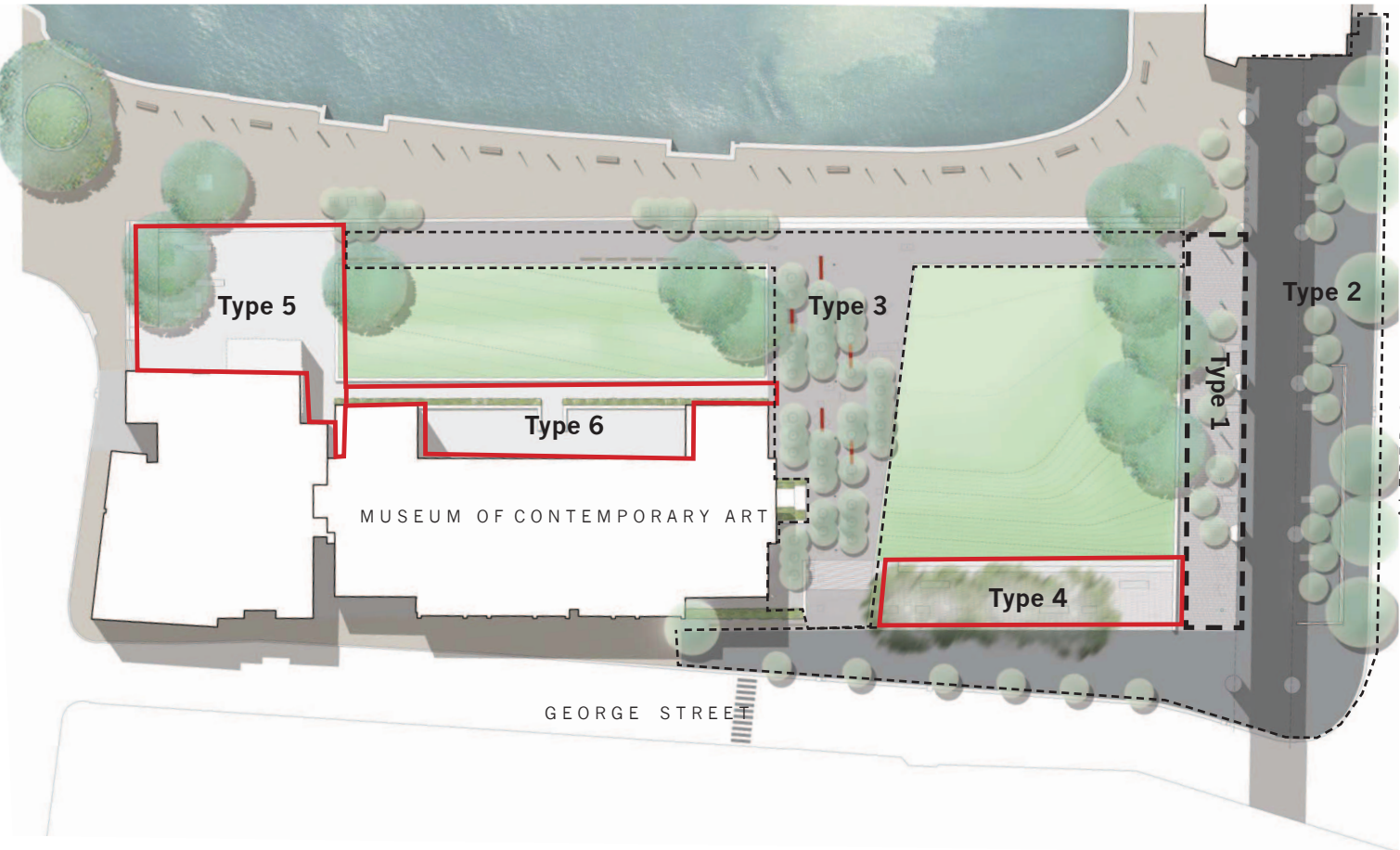
- **Bench type 1A:** Standard bench + backrest - 3 seats:
timber slats + steel frame
- **Bench type 1B:** Standard double sided bench + backrest -
2 seats: timber slats + steel frame
- **Bench type 2:** Custom precast concrete seat wall to MCA
Square and promenade
- **Bench type 3** Custom precast concrete bench to Lookout
and MCA forecourt
- **Bench type 4** Custom precast concrete bench to Market
Wharf



PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade
5. Create generous provision of informal and formal seating
6. Create a unified and coherent ground plane





Type 1: Granite paving



Type 4: Lookout : Precast concrete units



Type 3: Market Wharf



Type 4: Lookout : example of Precast concrete units Highline project, New York

6 . Paving

Type 1: Granite paving: 70% Dark grey and 30% Light grey. 925, 570, 295 x 425mm wide dark grey units. 170 x 425mm wide Light grey units

Type 2: Asphalt paving on George Street, Alfred St underpass

Type 3: Market Wharf : Granite units 150 x 150 wide dark grey units.

Type 4: Lookout : Precast concrete units - 250mm wide x 1000/ 2000 mm length off white in suspended steel frame: inset laminated glass panels with lighting under

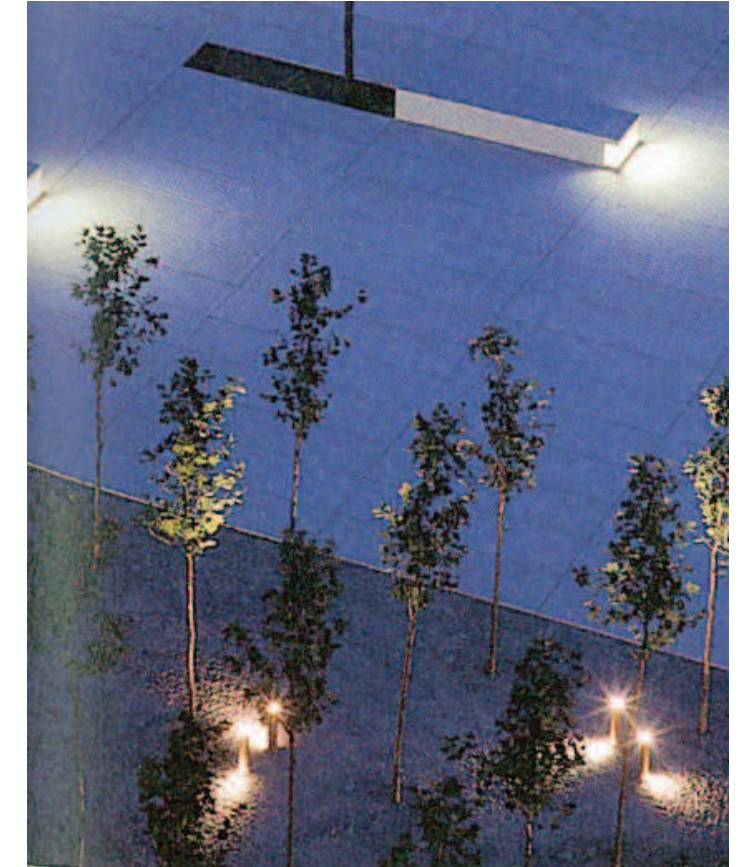
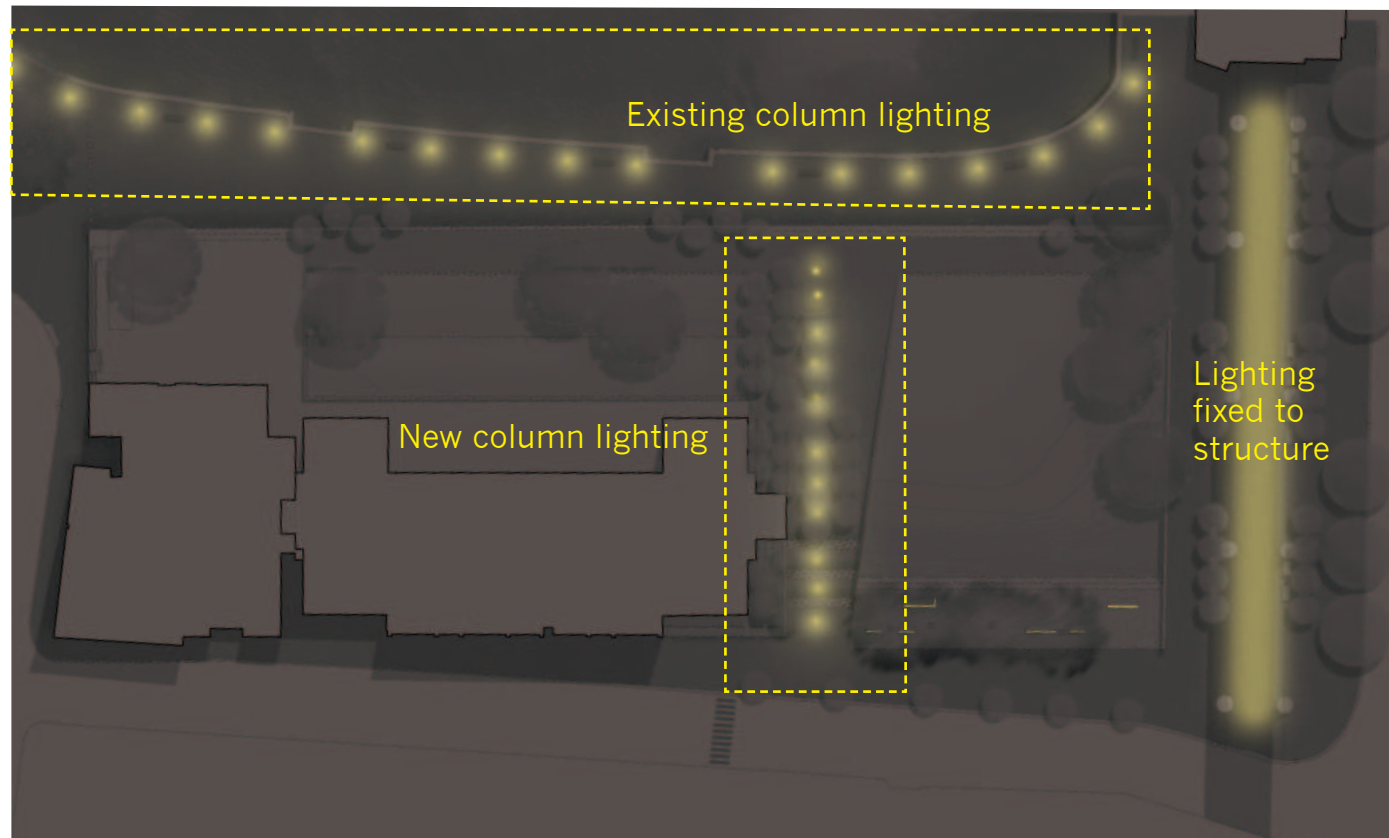
Type 5: MCA Square: Precast concrete surfacing with sandblasted finish

Type 6: MCA Terrace: In situ concrete paving with sandblasted finish

PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade
5. Create generous provision of informal and formal seating
6. Create a unified and coherent ground plane
7. Provide well lit pedestrian paths at night





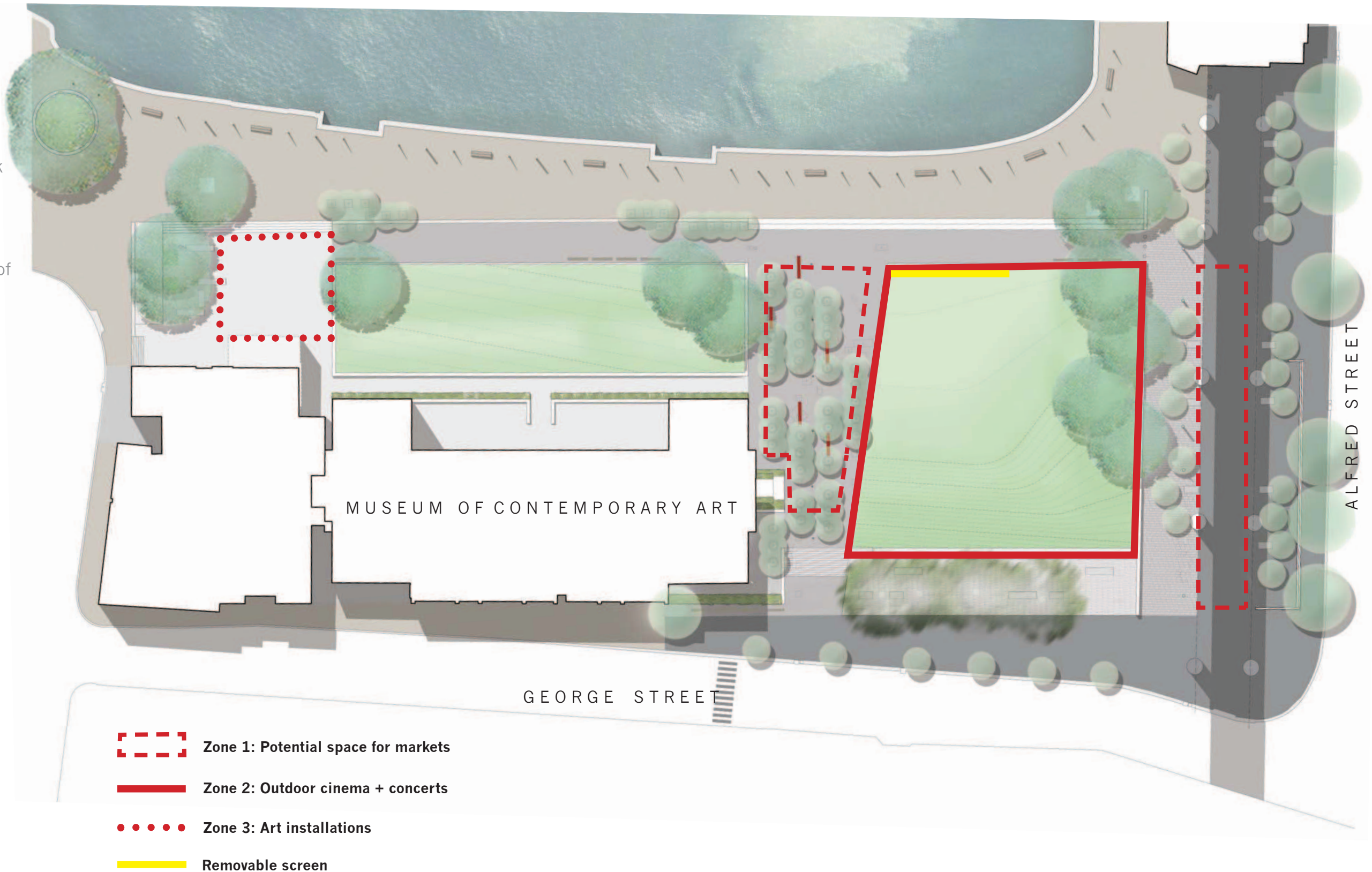
7. Lighting

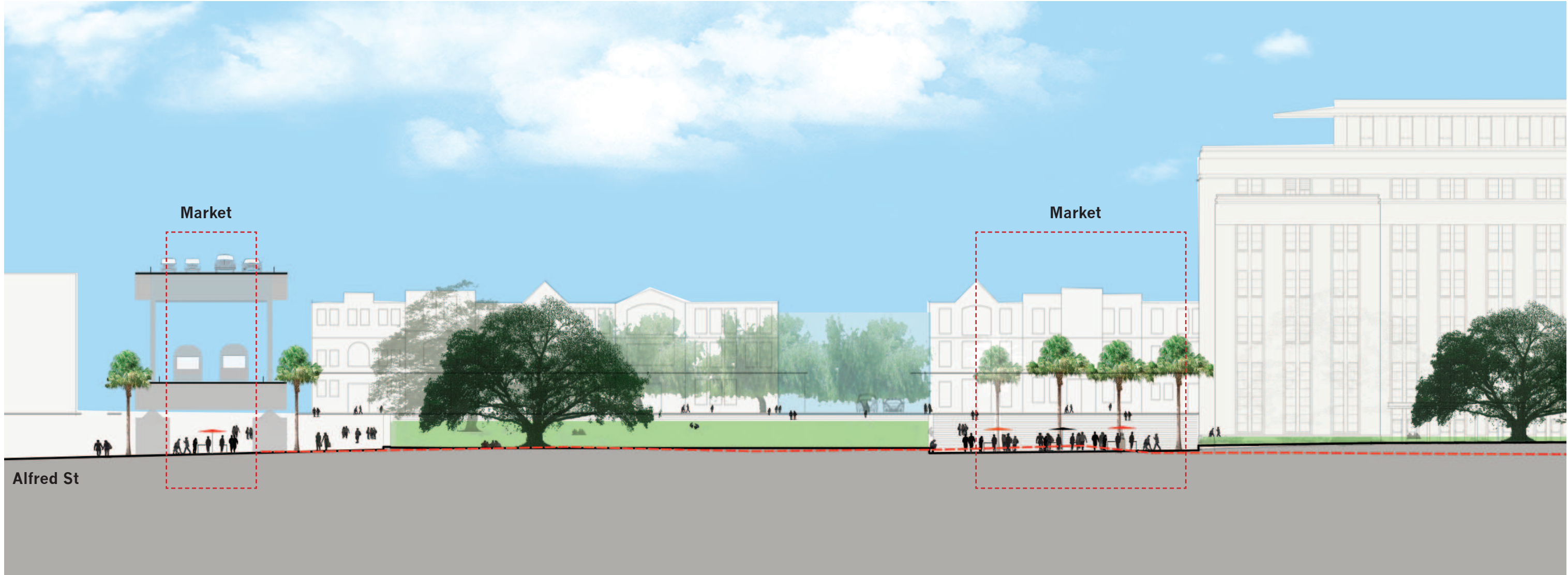
Key principles for lighting

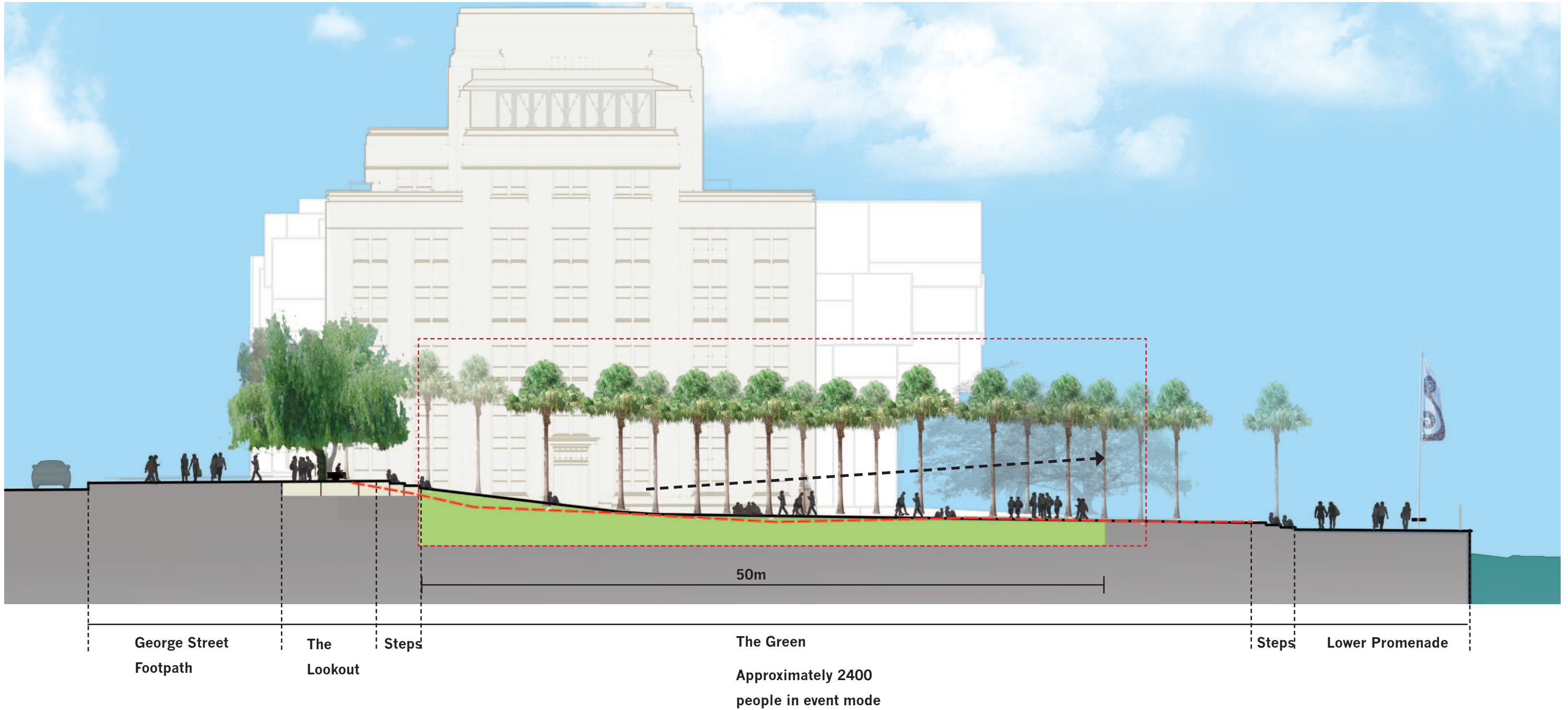
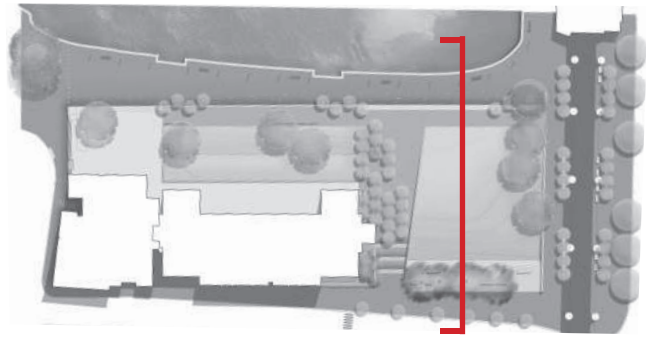
- Ensure safe lighting levels are provided on primary pedestrian routes
- Ensure lighting proposals allow for opportunities to enjoy the night time experience of the key harbour landmarks, the Opera House and the Harbour Bridge.
- Minimise upward spill light
- Design solutions that balance lighting requirements whilst minimising excessive numbers of lighting columns
- Illustrate and amplify key features including interpretative elements in the MCA Square, the Lookout and Market Wharf.
- Maximise energy efficiency

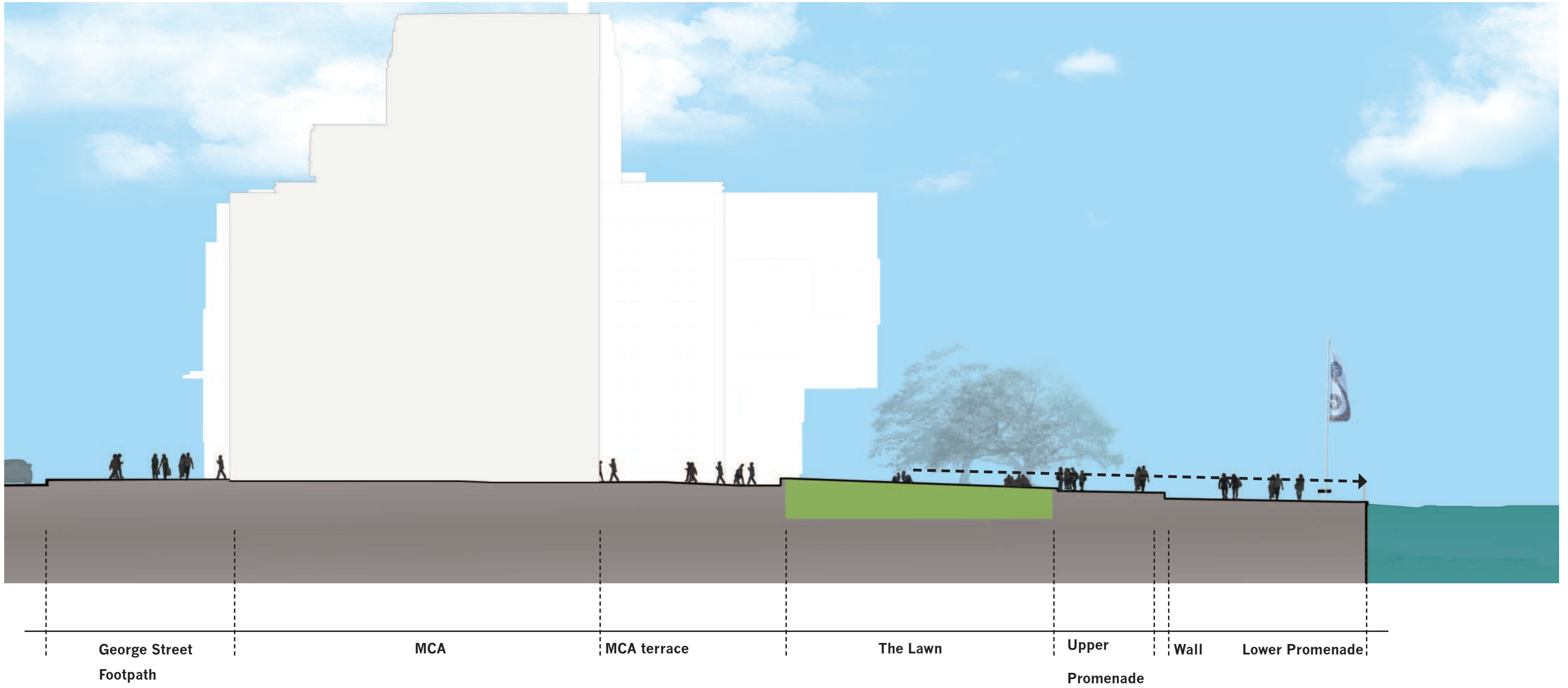
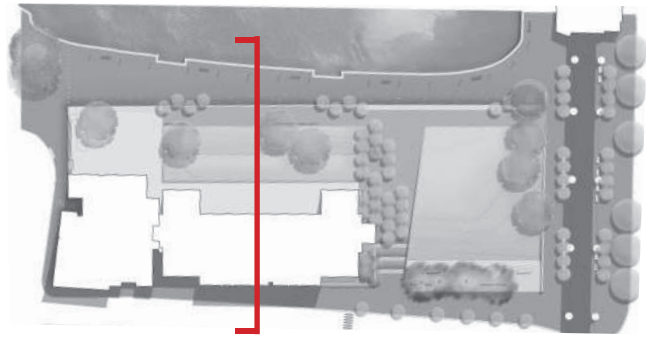
PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade
5. Create generous provision of informal and formal seating
6. Create a unified and coherent ground plane
7. Provide well lit pedestrian paths at night
8. Create a layout that accommodates temporary events and festivals



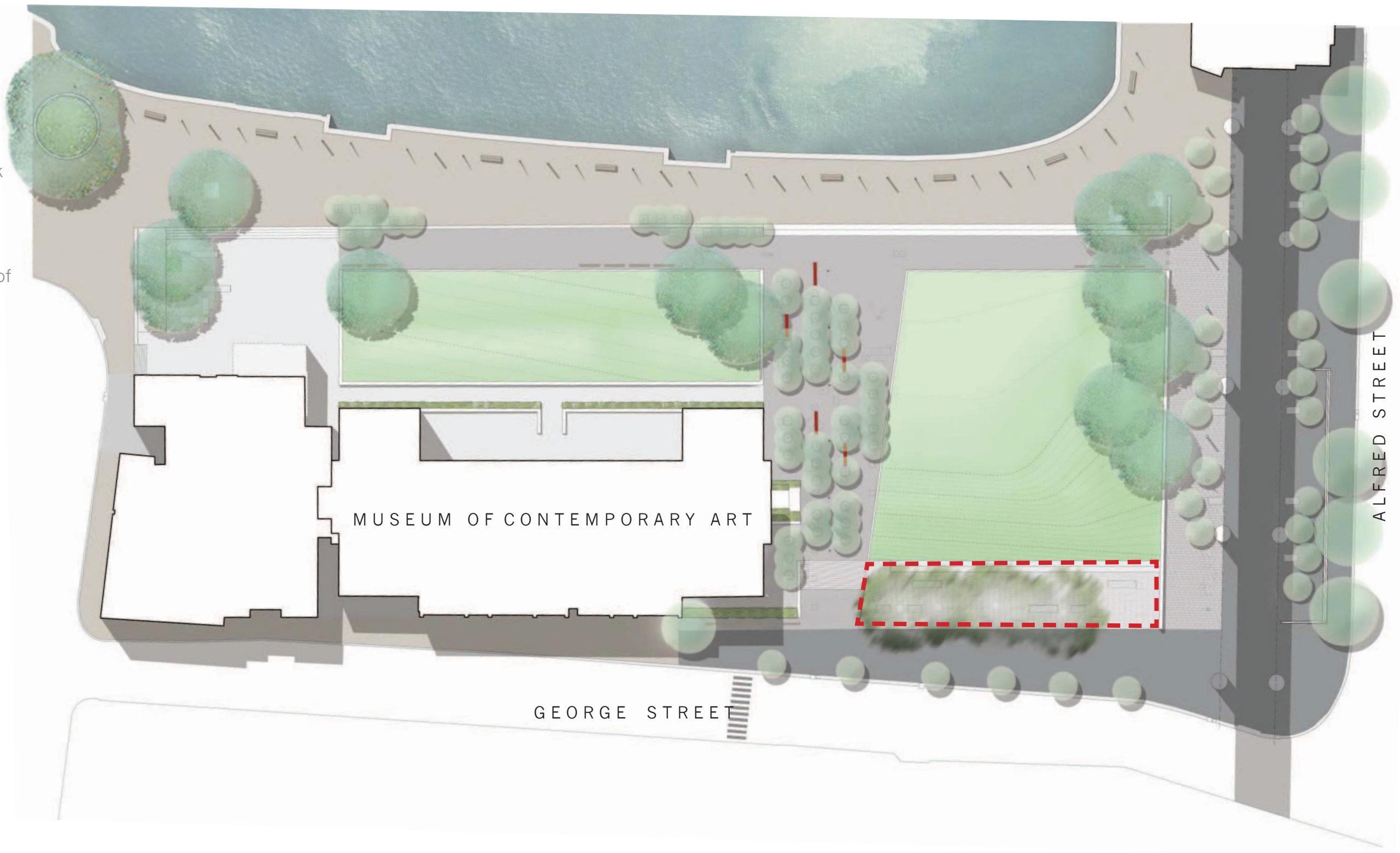


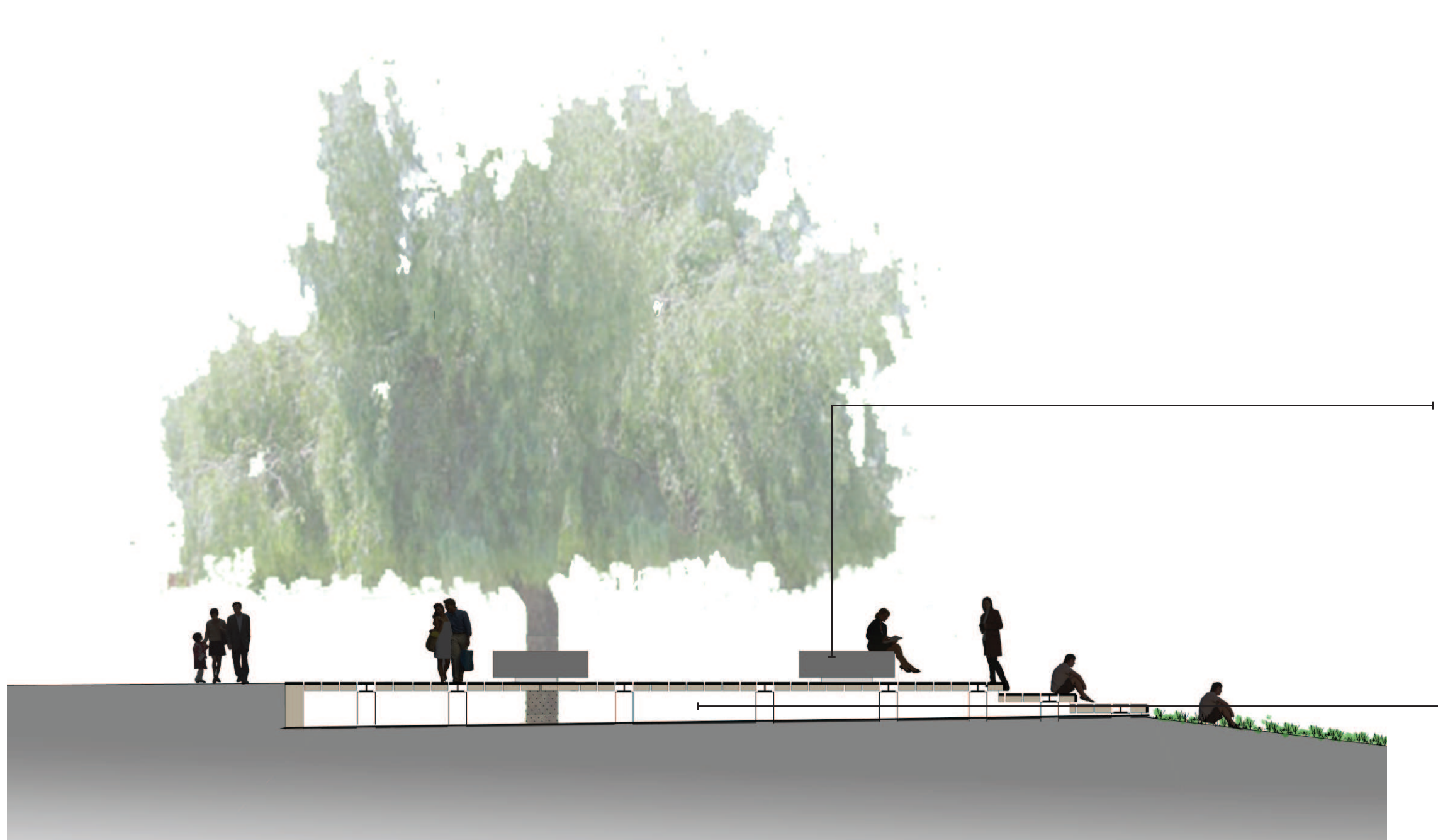




PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade
5. Create generous provision of informal and formal seating
6. Create a unified and coherent ground plane
7. Provide well lit pedestrian paths at night
8. Create a layout that accommodates events and festivals
9. Provide opportunities for interpretation

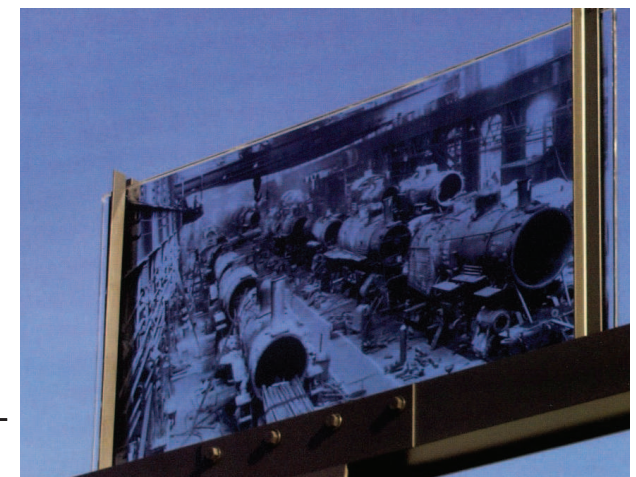




9. Interpretation



Suspended precast concrete unit deck with opportunities to integrate lighting and signage



Integrate interpretative elements below deck and within seating elements

PRINCIPLES

1. Create a simplified and unified park space
2. Create clear and generous pedestrian links to the rocks, George St and Alfred Street
3. Create a square/ forecourt at the MCA
4. Retain and locate landmark trees to preserve views and to provide shade
5. Create generous provision of informal and formal seating
6. Create a unified and coherent ground plane
7. Provide well lit pedestrian paths at night
8. Create a layout that accommodates events and festivals
9. Provide opportunities for interpretation
10. Incorporate existing artifacts where appropriate



- 1** **Caltex map:** reposition to Pitt Street alignment
- 2** **Robert Klippel Sculpture:** relocated to another site
- 3** **Governor Phillip Sculpture:** reposition in Market Wharf

- 4** **First Fleet Park Plaque:** reposition in Market Wharf
- 5** **Rocks canopy:** remove
- 6** **Commissariat Stone:** reposition in Market Wharf





OPT SECURITY

- ① **Retractable Bollards:** relocate existing
- ② **Bollard control:** in alignment with the Cahill expressway pylons
- ③ **Heavy duty seats:** at George Street edge to minimise any vehicle access : min 4 m wide gap
- ④ **Barrier wall:** 450mm high seat wall
- ⑤ Existing boom gate + security





- 1** Lockable cafe storage: 20m²
-  Outdoor seating and portable coffee cart
-  New banner poles

- ① **Sewer induct vents:** remove existing stone pedestals and install vents into proposed retaining wall
- ② **Sewer educt vent:** Remove existing vent in garden bed and install new sewer vent in alignment with tree grid.
- ③ **Existing sewer dry + wet well: to be retained.** Replace pit lids with infill pit lid and inlay paving.

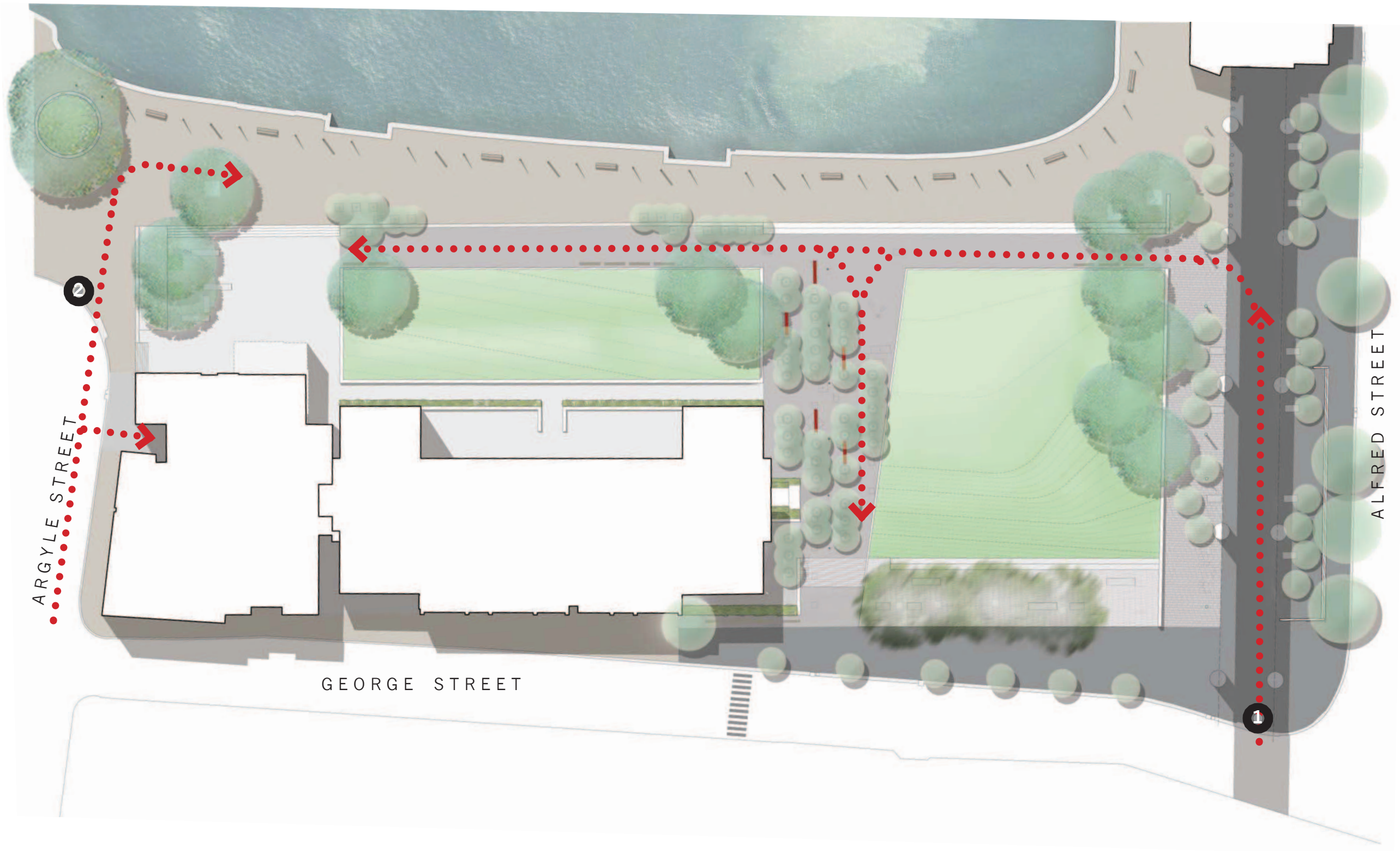


SERVICE ACCESS

●●●●● Heavy vehicle access

⓪ Principal entry for service vehicles

⓪ Existing layback for service entry

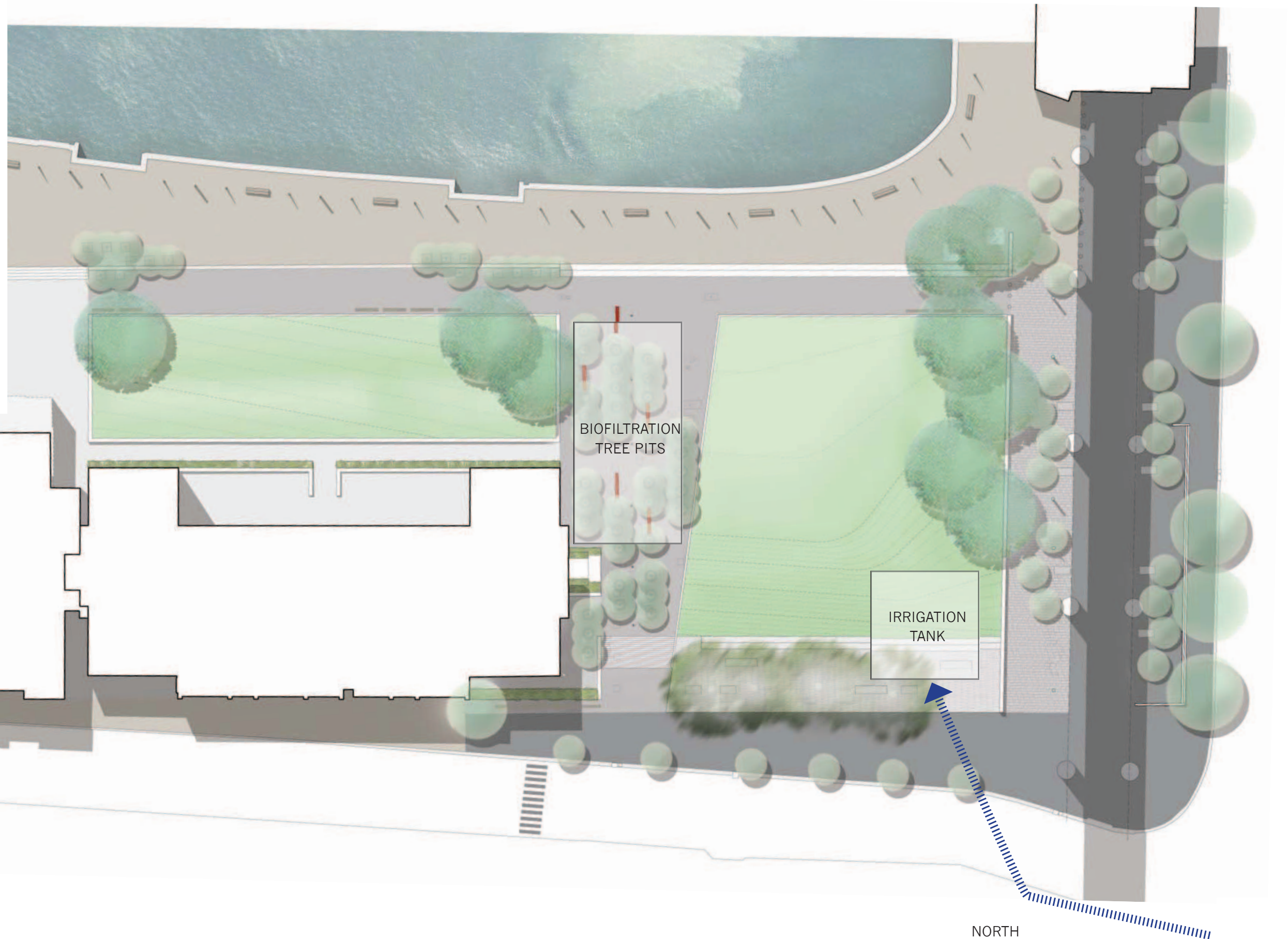


WSUD PRINCIPLES

1. Address irrigation demands for the park by collection and filtration of storm water runoff from the George Street south catchment. Install a gross pollutant trap and diversion from existing SW system.

2. Install an underground irrigation tank - 150 KL - 200KL tank would meet 80% estimated irrigation demand.

3. Provide SW filtration on site via use of bio-filtration tree pits which allow for stormwater runoff from surrounding paved surfaces to filter through soil medium.





- KEY**
- Hardworks, Paving + walling**
- 0 Retain existing brick paving to promenade and allow for minor regrading. Use matching brick salvaged from site to interface with new works.
 - 1 Granite paving units 600,300 x 450mm Dark grey and light grey finish
 - 2 Precast concrete steps 600mm wide tread x 150mm high riser - Off white
 - 3 Precast concrete seat wall 900mm high; angled profile with backrest- class 2 finish Off white
 - 4 Custom cast iron tree grate to Fig trees 3000mm square
 - 5 Custom cast iron tree grates to Cabbage tree palms (Livistona australis) 1200mm square
 - 6 Asphalt paving to City of Sydney standards
 - 7 Granite sett paving 150 x 150 x 40mm units with infill service pit lids to match paving.
 - 8 Access stair 310mm wide tread x 155mm high risers: Granite to tread and riser - dark grey
 - 9 Tactile surface indicators - to top and bottom landing of stair.
 - 10 Lookout: steel frame and piles with precast concrete planks 2000mm, 1000mm x 250mm x 175mm depth
 - 11 Interpretive text and images integrated into lookout paving
 - 12 Precast concrete steps 600mm wide tread x 155mm high riser in steel frame - Off white
 - 13 In situ concrete wall - angled profile 450-900mm high, class 2 finish - off white
 - 14 Edging to lawn areas: Precast concrete edging 450mm wide x 200mm high - off white Class 2 finish
 - 15 MCA square: Precast concrete - off white with sandblasted finish
 - 16 Precast concrete steps 310mm wide tread x 155mm high riser - off white
 - 17 In situ concrete ramp. Tactile surface indicators at top and bottom landing of ramp
 - 18 Interpretation by others
 - 19 Existing concrete columns
 - 20 Existing trachyte kerb and sandstone gutter to be retained
 - 21 Existing garden bed to be retained
 - 22 Existing street trees to be retained
 - 23 In situ concrete wall maximum height 600mm
 - 24 In situ concrete paving to MCA terrace and pathway.
- Furniture + Lighting**
- 25 Handrail to access stair - 1000mm high patinated brass finish
 - 26 Balustrade to level change - 1000mm high mild steel plate and rods
 - 27 Custom benches to lookout - Precast concrete 1100mm width x 4000mm + 2000mm lengths - off white Class 2 finish
 - 28 Retain existing seating to Circular Quay promenade
 - 29 Standard bench + backrest to upper promenade - 3 seats: timber slats + steel frame
 - 30 Standard double sided bench + backrest under Cahill Expressway - 2 seats: timber slats + steel frame
 - 31 Custom bench in Market Wharf - precast concrete 4000mm length, red gloss paint finish
 - 32 Existing balustrade to quay edge to be retained
 - 33 Retain existing banner poles to Circular Quay promenade
 - 34 New banner poles to match existing adjacent to Cahill Expressway
 - 35 Column lighting to Market Wharf 6 m high
 - 36 LED lighting integrated into wall
 - 37 Lookout - compact fluorescent lighting to underside lookout platform and steps
 - 38 Lighting - LED lighting integrated into seat wall
 - 39 Retain existing column lighting along quay edge
 - 40 In ground up lighting to Fig tree planting
 - 41 Retain and relocate existing circular litter bins.
 - 42 Handrail to access stair - 1000mm high patinated brass handrail fixed to balustrade
 - 43 Handrail to low stair to quay - 1000mm high patinated brass
 - 44 Relocate and reinstall retractable bollards
 - 45 install new bollards
- Signage**
- 46 Directional signage integrated into paving
 - 47 Information sign to SHFA standard - bronze and brass blade 2000mm height
 - 48 Park signage element integrated into walling
- Services**
- 49 New sewer outlet vent 6 m high
 - 50 Sewer air intake integrated under steps
 - 51 Irrigation tank under lawn 150KL
 - 52 New GPT system to filter SW runoff from George Street
 - 53 Irrigation system using recycled and filtered stormwater to lawn areas and fig tree planting
 - 54 Modification to pit lid levels in Market Wharf
 - 55 NSW Maritime Booster Valve enclosed
- Trees and planting**
- 56 8 x super advanced (1000ltr+) Figs (*Ficus rubiginosa*) in lawn
 - 57 Relocate 20 x Cabbage tree palms (*Livistona australis*) and supplementary planting of 400L Cabbage tree palms
 - 58 New lawn areas
 - 59 Under prune 4 x existing Peppercorn trees (*Schinus areira*)
 - 60 Remove 4 x existing Peppercorn trees (*Schinus areira*)
 - 61 New shade tolerant shrub planting in garden bed
 - 62 New mass planting