York Quay Revitalization
Phase II

Stakeholder Advisory
Committee Meeting #3
June 8, 2010

WATERFRONToronto

Harbourfront centre

Key Issues from the SAC meeting #2,

January 12th, 2010

- **Support for the design of the parking garage, particularly the "light well".** Ideas for suggested improvements included the addition of bike parking, priority parking for motorcycles and scooters, and anything that could be done to make the entrance to the garage less foreboding.

- **Interest in seeing a larger focus on bikes.** Several participants would like to see revitalization of the site demonstrate a commitment to cycling, including providing safe and secure places to park bikes.

- **Concerns about traffic (cars & people) at the intersection of Simcoe & Queen's Quay.** Participants wanted to make sure strategies were in place to minimize the congestion of the intersection and back up on adjacent roads. Ideas included early notification to alert motorists if the parking garage is full (so they can find other options), and encouraging other crossing options for pedestrians.

- **Regarding the cultural village,** discussion focused on designing the village for year round use, the importance of being clear about the impact that buildings heights will have on views, and protecting views where possible. There were also questions regarding the servicing of the village, and particularly the relationship between the service corridor for the Queen's Quay terminal and the "back" of the cultural village. Several participants recommended that the team revisit the term "cultural village" since it did not leave a clear enough idea of what would be included in the village. There was also a strong feeling that for this revitalization to be successful it needs to serve the needs of both residents and tourists, not one or the other.

- **Connecting with the public sooner rather than later.** Several participants felt the time was right to introduce the project to the public, and to share the early concept ideas. A public meeting was suggested, designed so that it provides a meaningful opportunity for public feedback.

Update since January 12th, 2010

- Design Review Panel feedback
- CEAA Approval
- Land Acquisition
- Cost Estimating Process

Current Timeline

- Site Plan Application (SPA) submission (Underground garage, urban plaza, and Canada Square)
  - Pending approval from the SAC and Design Review Panel, Waterfront Toronto will be submitting the SPA in mid-June.

- Targeting site mobilization and site preparation for Summer 2010.

- Complete Design Development and tender the project for construction in late-Summer 2010.

- The construction of the garage will take18 months.

- The Official Plan Amendment and Zoning Bylaw Amendment (Cultural Village) will be submitted in late 2010. As part of this process, we will be coming back to the SAC, as well as holding a public meeting.

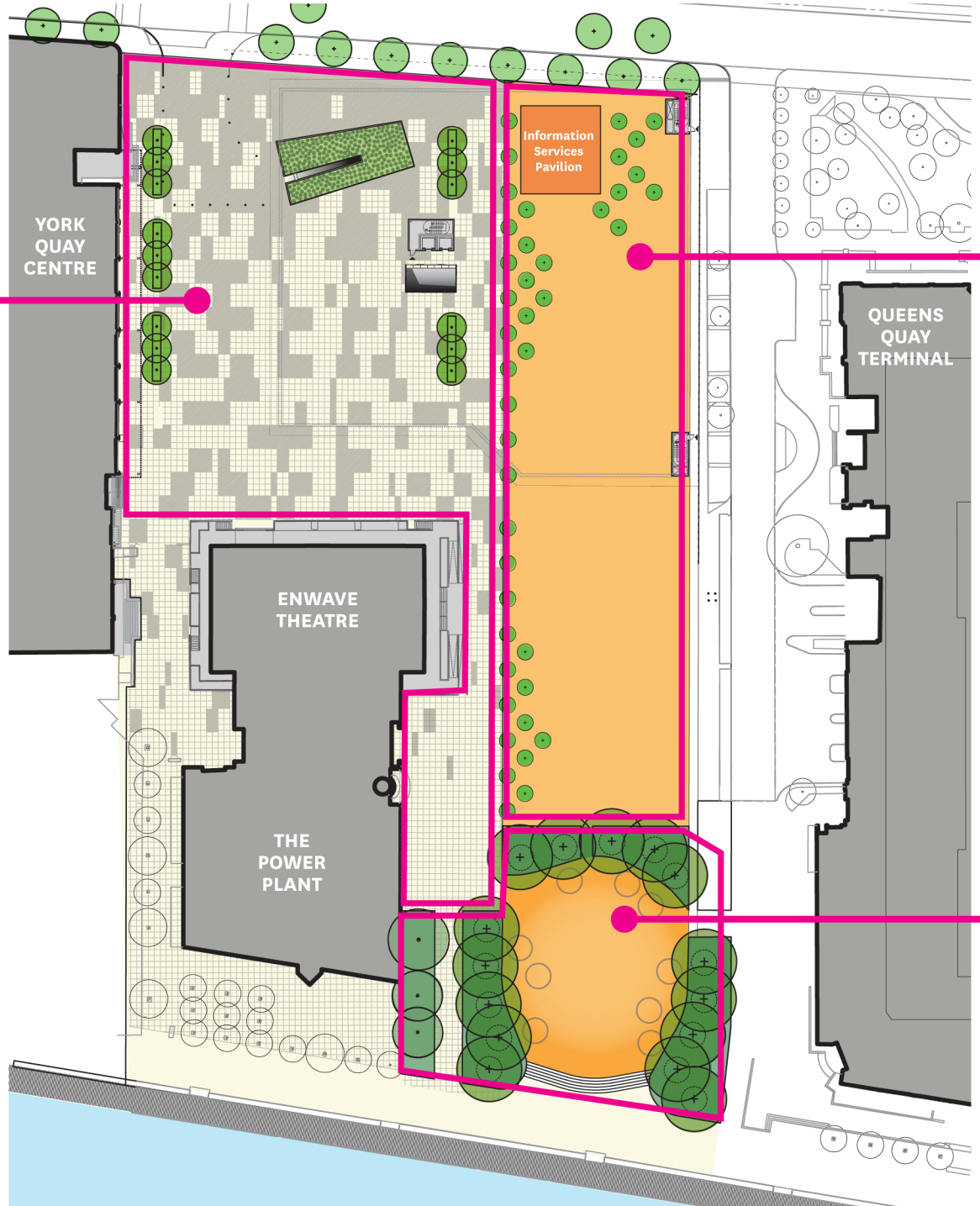
York Quay Revitalization Phase 2

Stakeholder Advisory Committee Presentation, June 2010

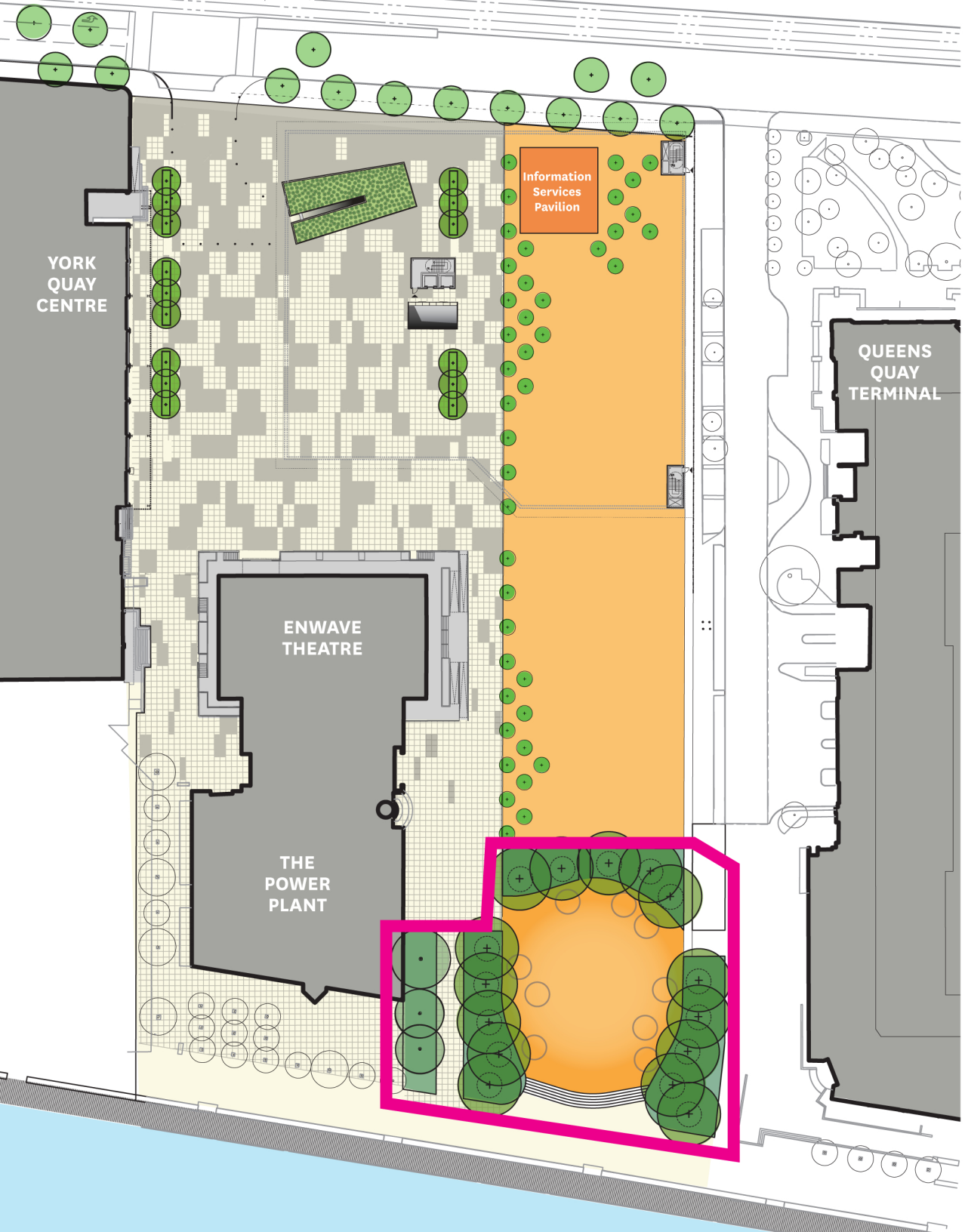
Harbourfront centre

WATERFRONTToronto

Three Landscapes



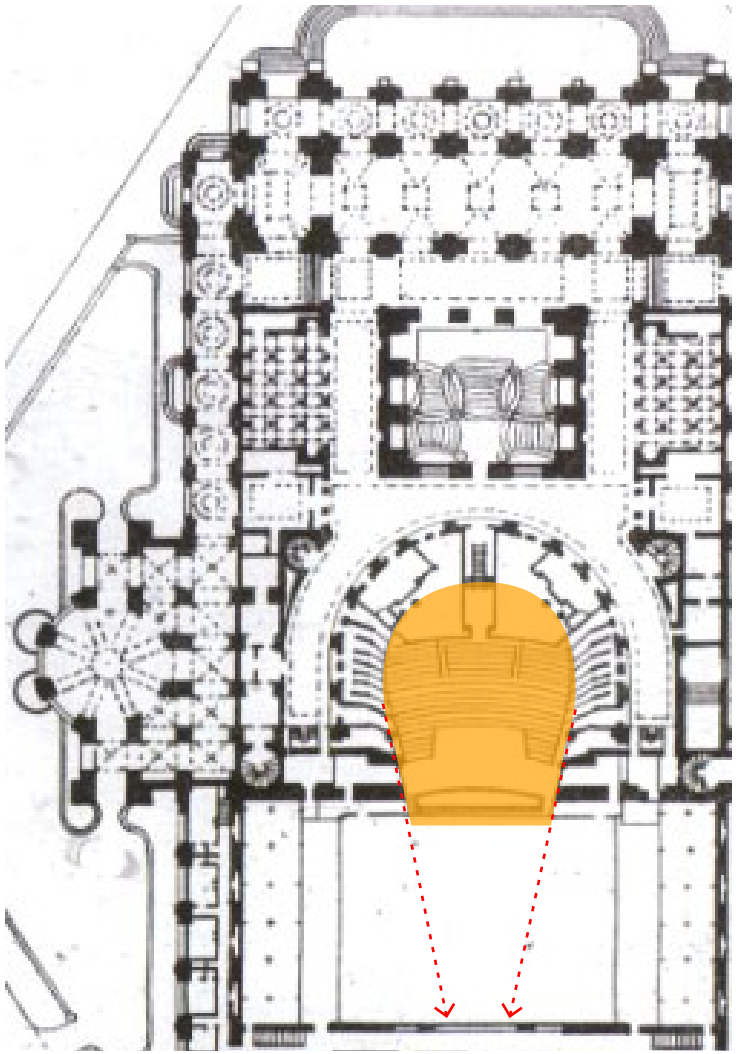

CANADA SQUARE
A Landmark on the Lake



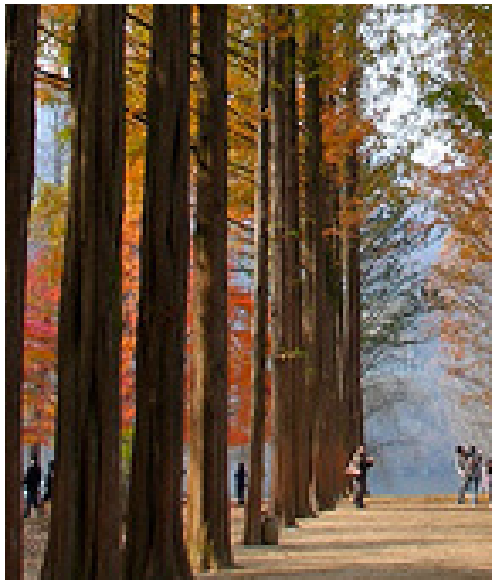
Canada Square

- Event space
- Casual gatherings
- Outdoor dining
  (with Cultural Village)
- Seating steps

Canada Square as Public Space Theatre

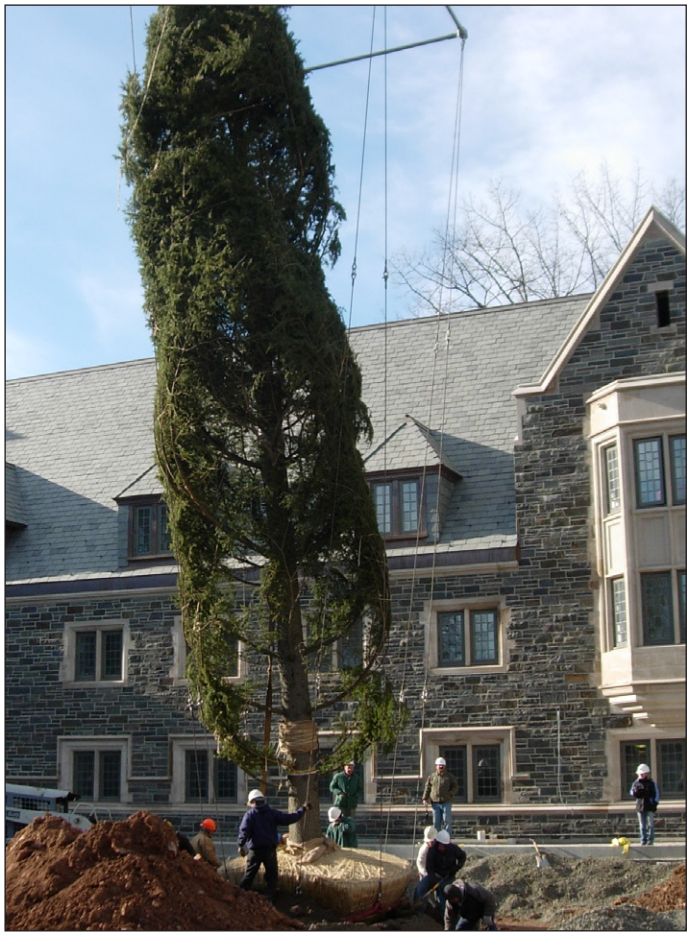


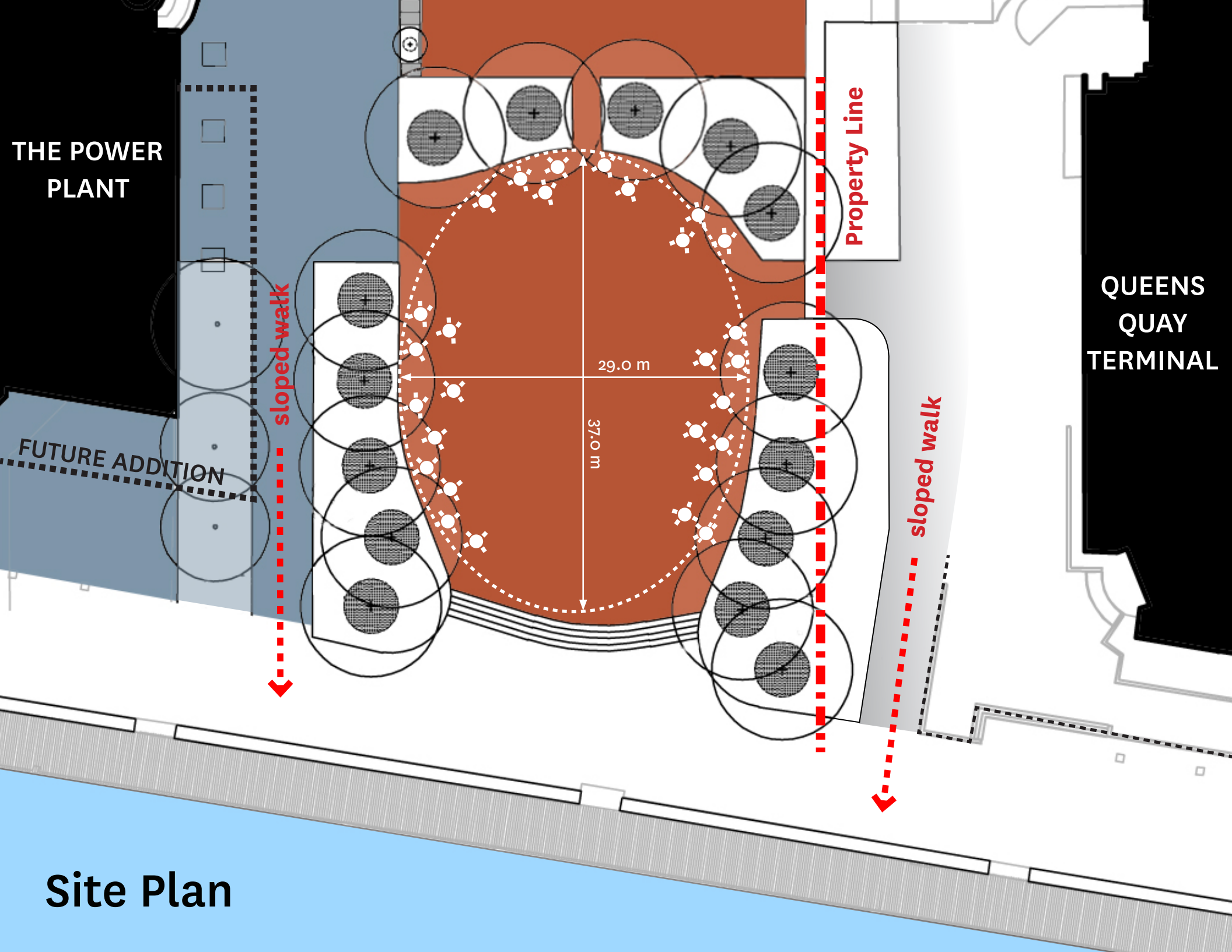
Paris Opera House



- Theatricality of a lake-facing square
- Framing of an idealized view
- Columnar/architectural quality of trees

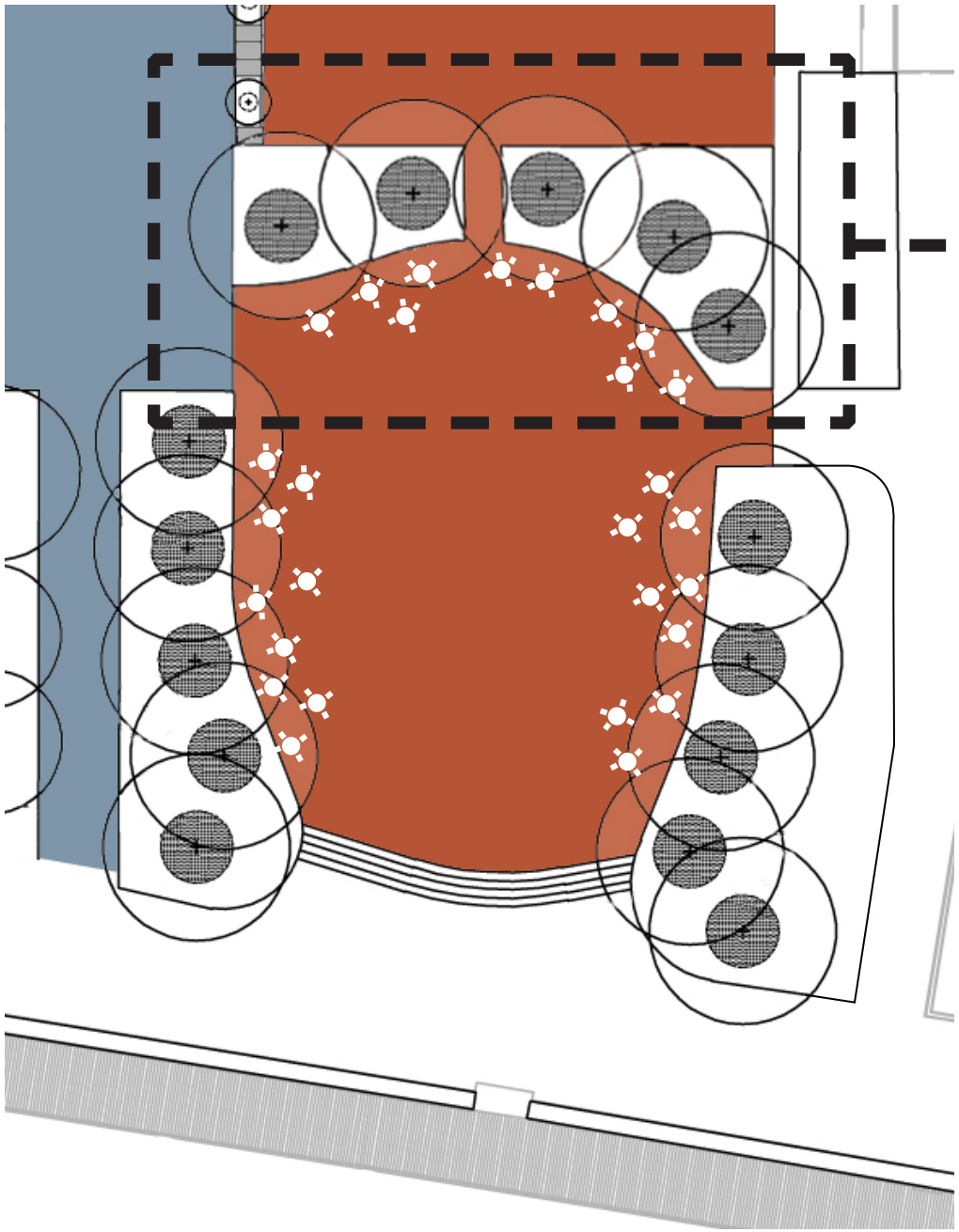
Large Tree Transplants



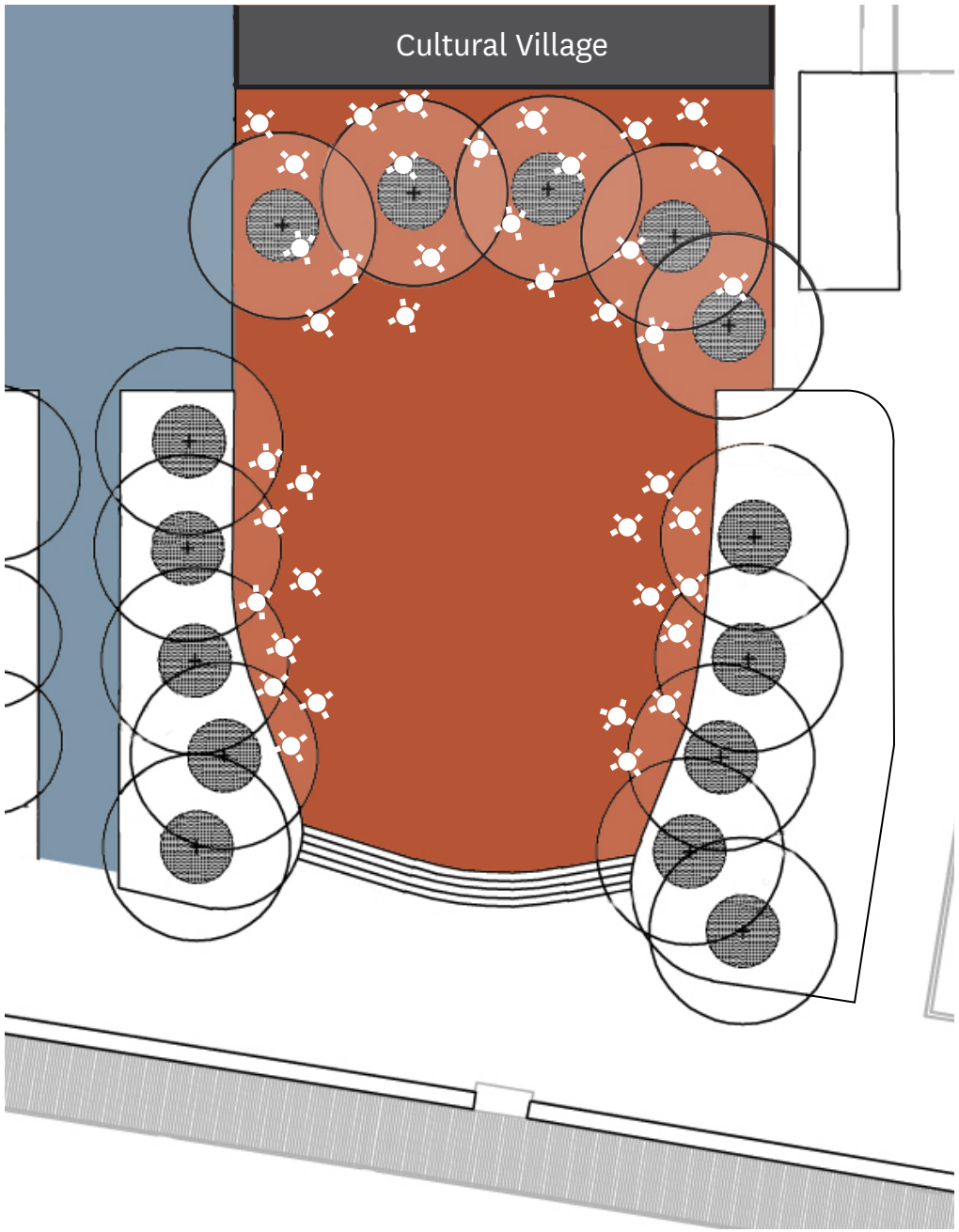

THE POWER PLANT
FUTURE ADDITION
sloped walk
29.0 m
37.0 m
Property Line
sloped walk
QUEENS QUAY TERMINAL

Site Plan

Canada Square — Before Cultural Village Buildout



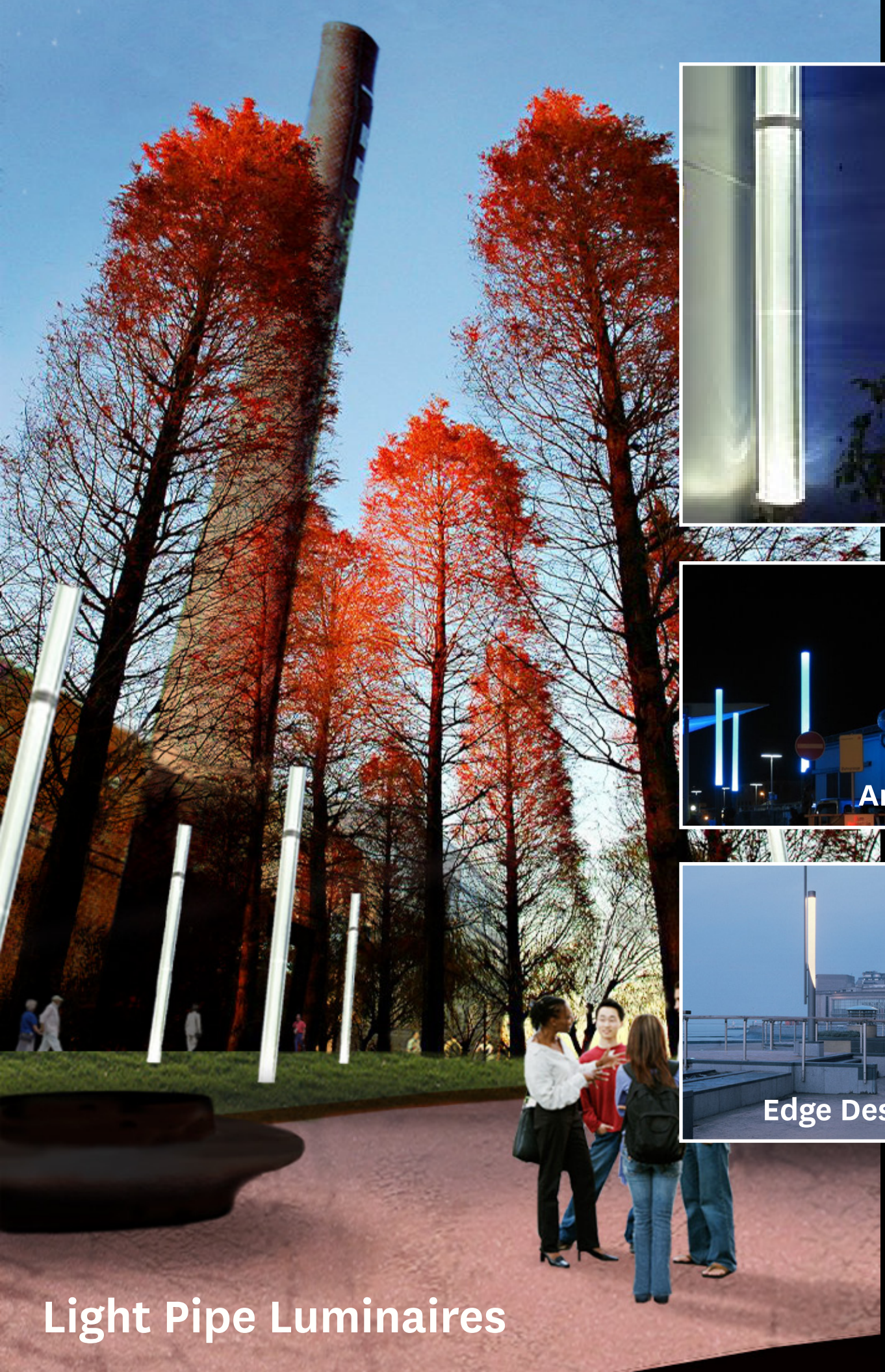
Canada Square — After Cultural Village Buildout



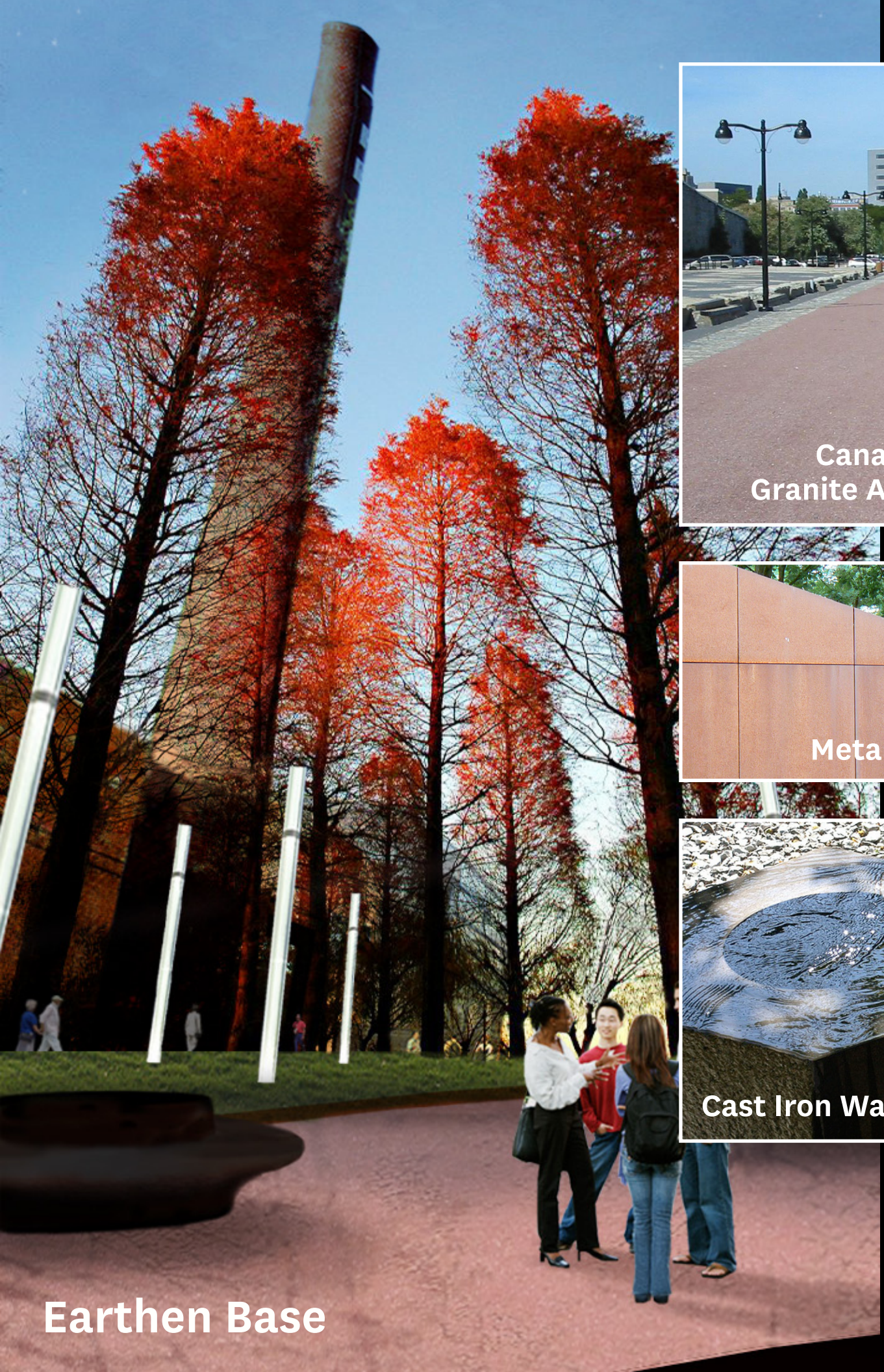
Canada Square

North/South Section Looking West

(15-20) 40’-45’ tall Metasequoia trees grown locally in the Toronto area



Light Pipe Luminaires



Canadian Red
Granite Aggregate

Metal Curbing

Cast Iron Water Table

Earthen Base

Canada Square — Cast Iron Water Table

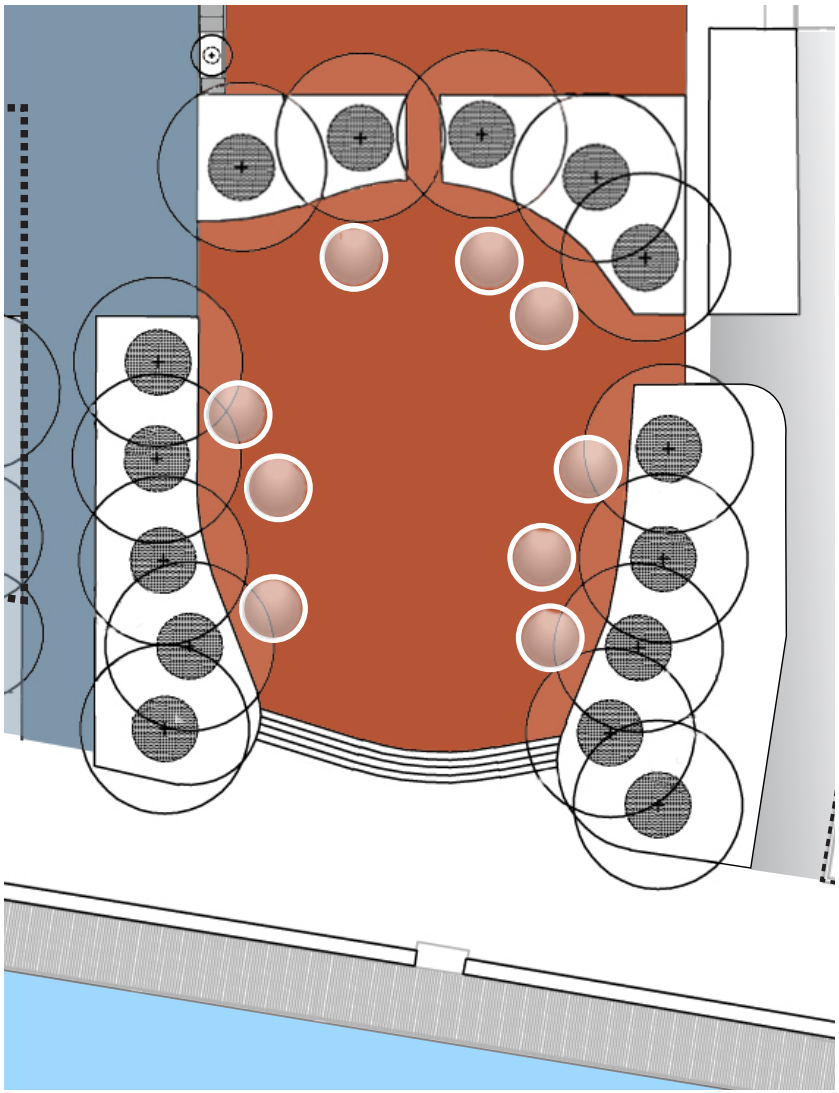
Pheonix Park, Glasgow

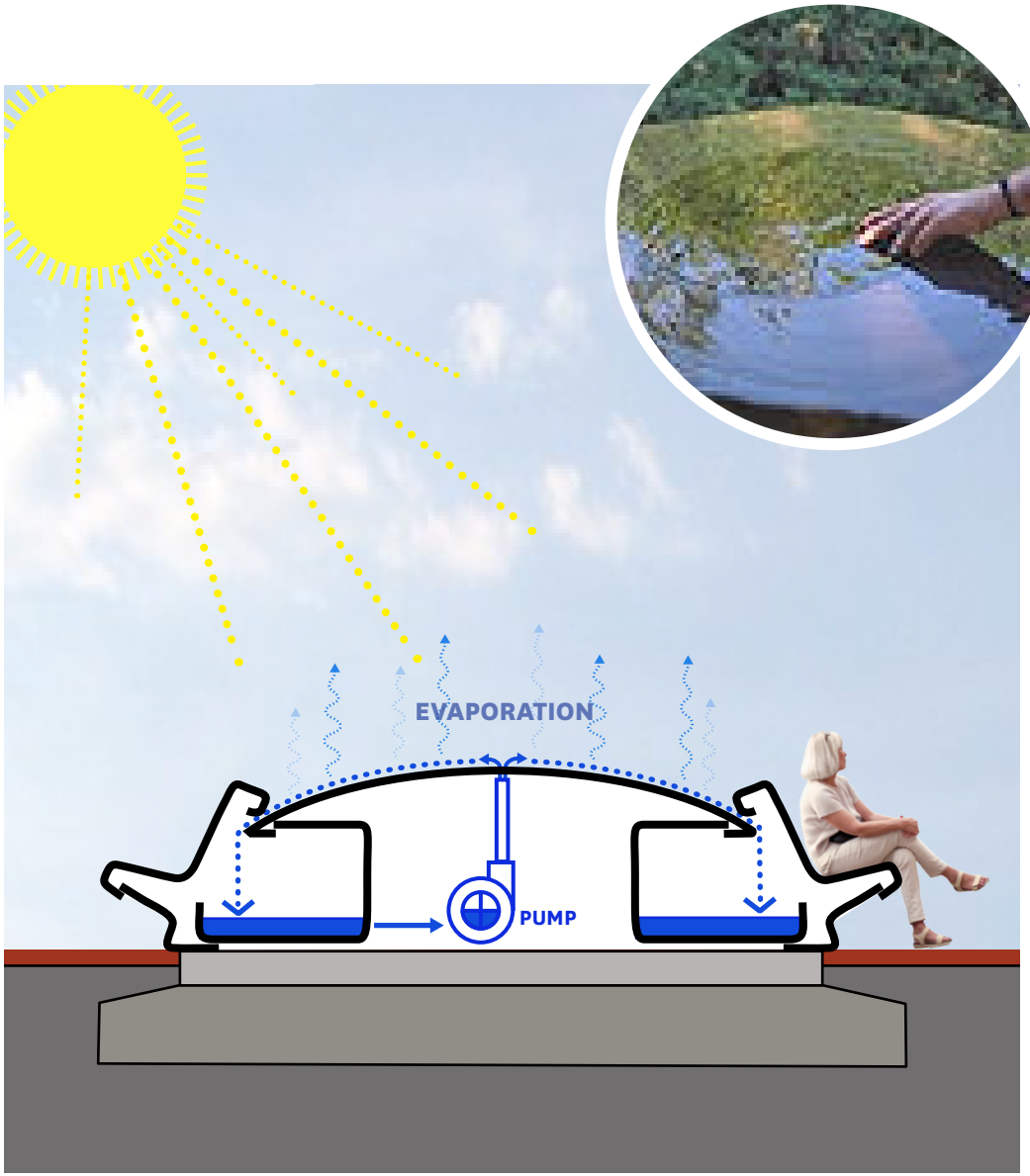
- Urban tradition of fountain features
- Hybrid of seating and fountain
- Microclimatic comfort

Vondel Park, Amsterdam

Isamu Noguchi Fountain, New York

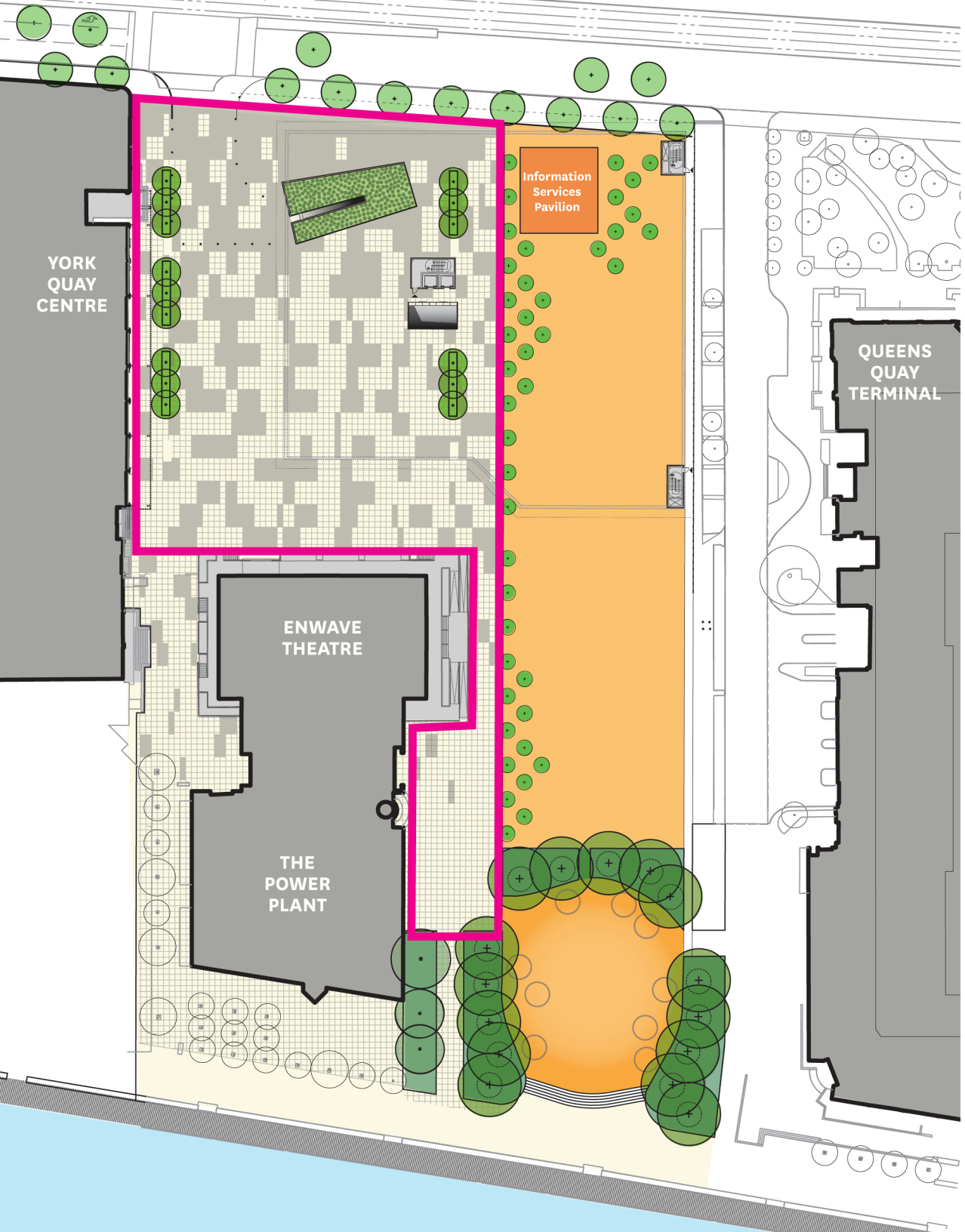
Canada Square — Cast Iron Water Table





THE URBAN PLAZA

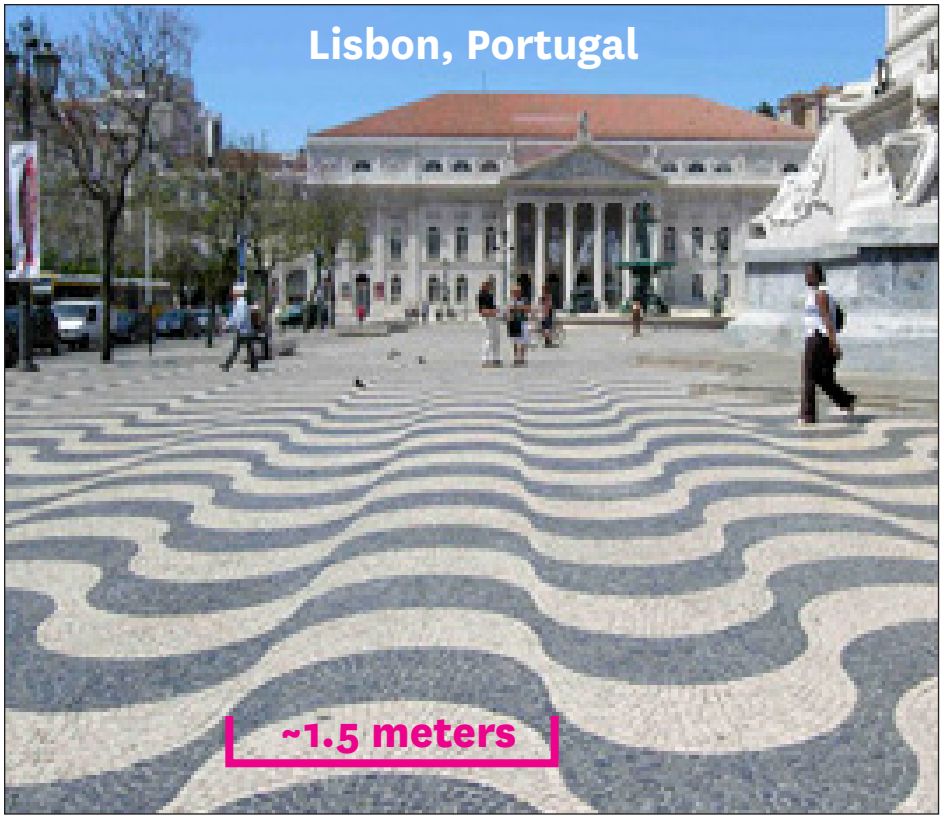
Harbourfront Centre's New Active Address



Urban Plaza

- Garage entries/exits (4)
- Bike parking
- School bus drop-off
- Servicing circulation
- Close off from traffic for programming

Graphic Pavement



contrasts contextual conditions

absorbs boundary idiosyncracies

animates the ground plane

operates at a large scale

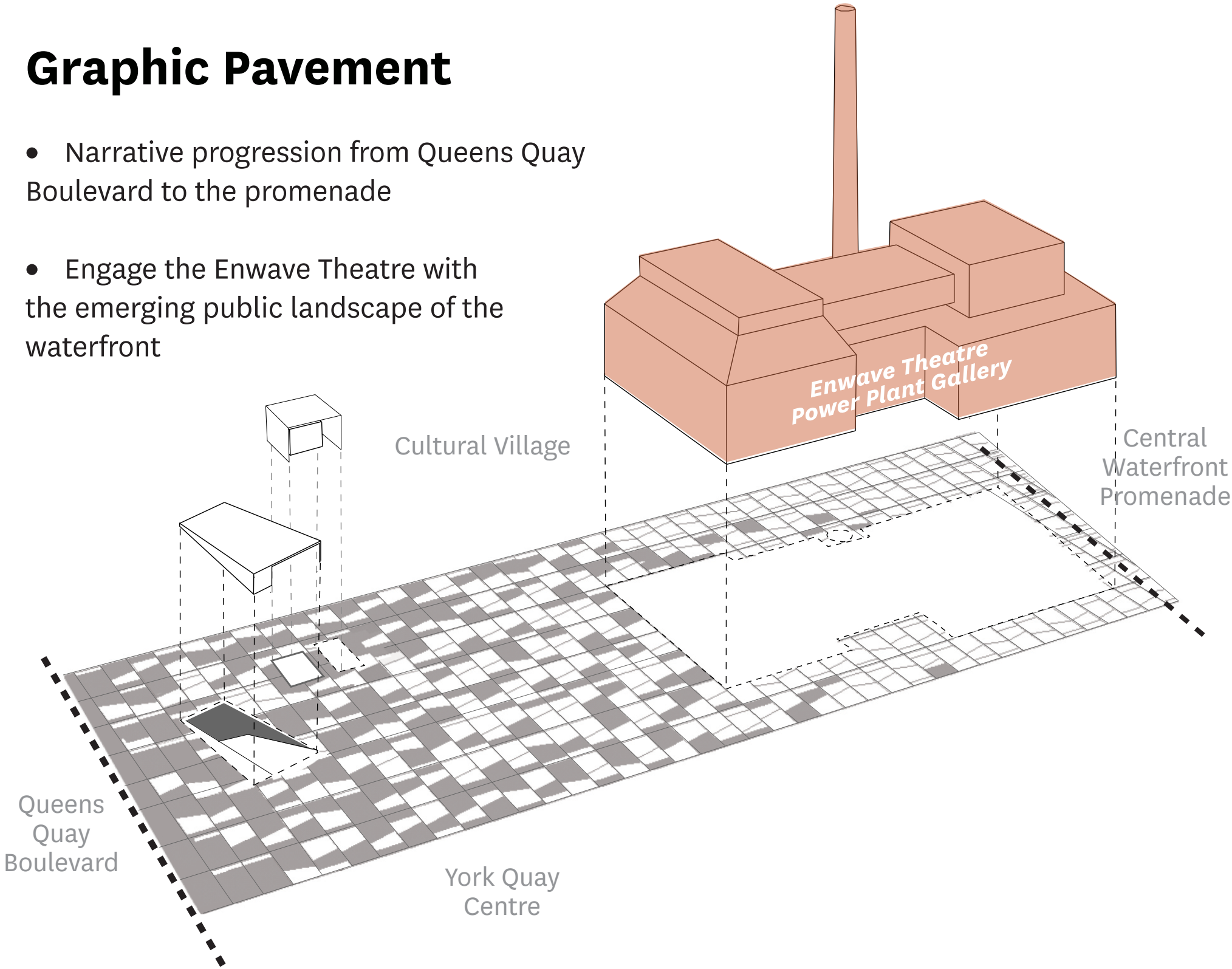
Graphic Pavement

Plaza pavement design inspired by the qualities of the harbour **ice floes**

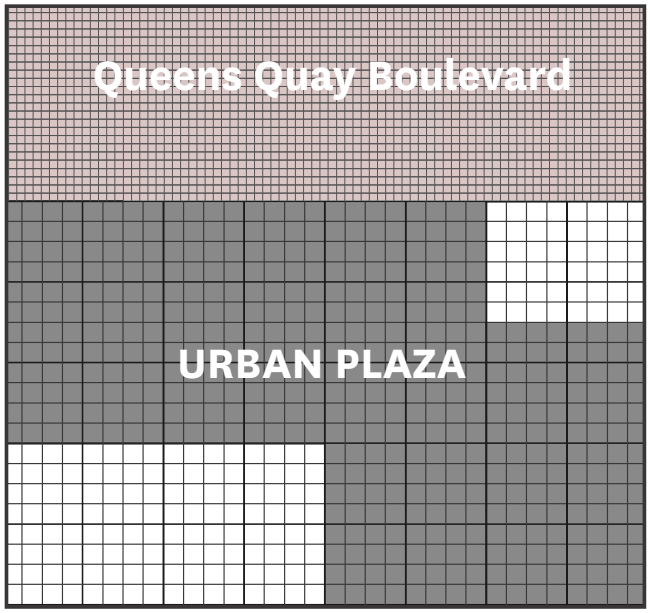
Graphic Pavement

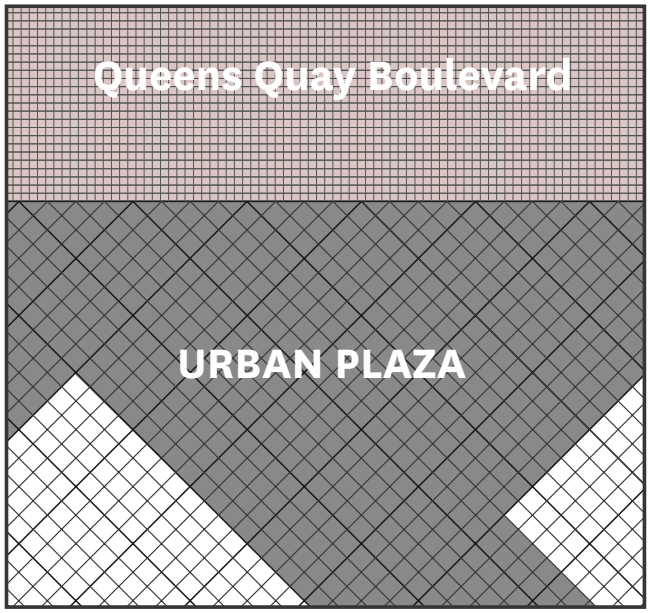
- Narrative progression from Queens Quay Boulevard to the promenade

- Engage the Enwave Theatre with the emerging public landscape of the waterfront



Graphic Pavement — Grain

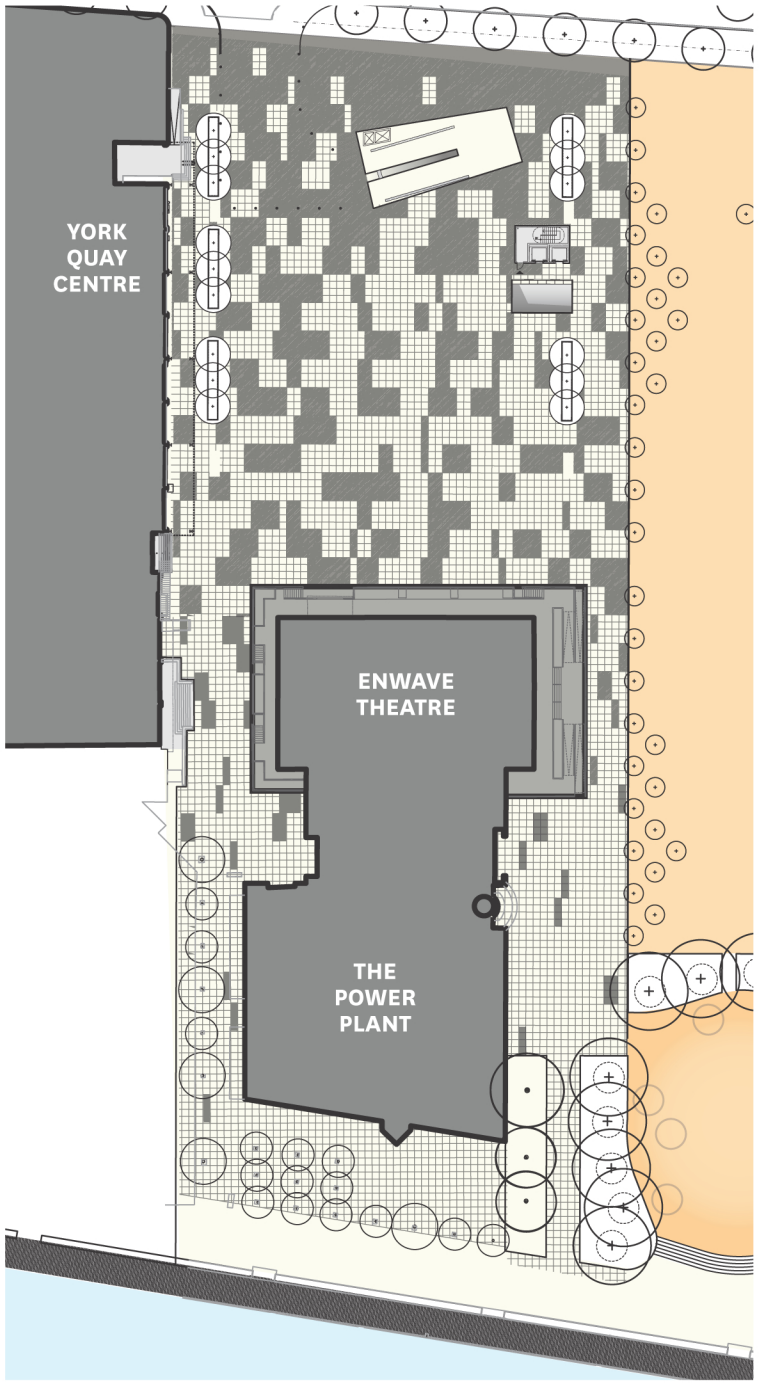


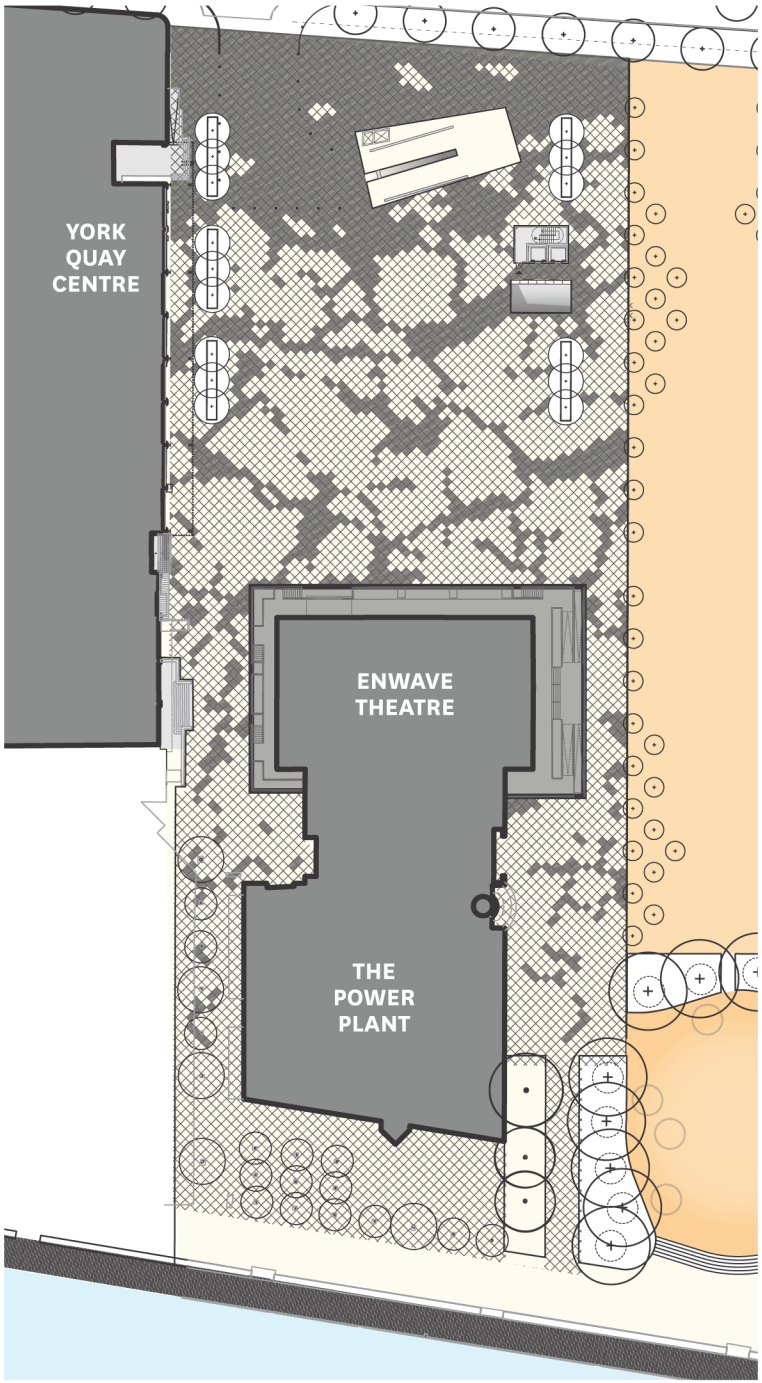


Machine-Installed Unit Pavers

- 10-15% cost reduction
- finish durability
- high compressive strength
- permeable
- fast installation

Graphic Pavement — Two Options



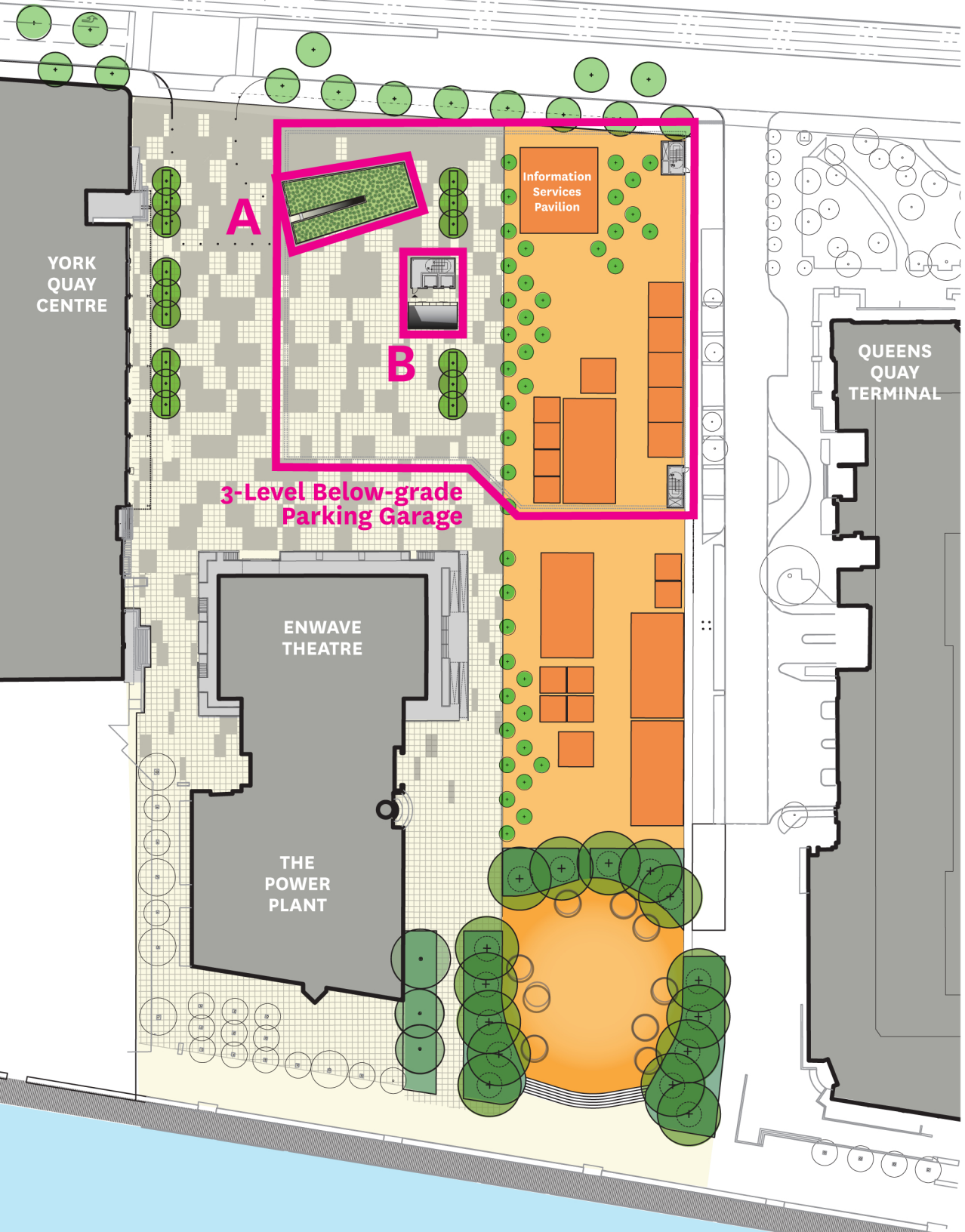


Graphic Pavement — Inventive Use of Standard Materials

Boston Children's Museum, Boston MA

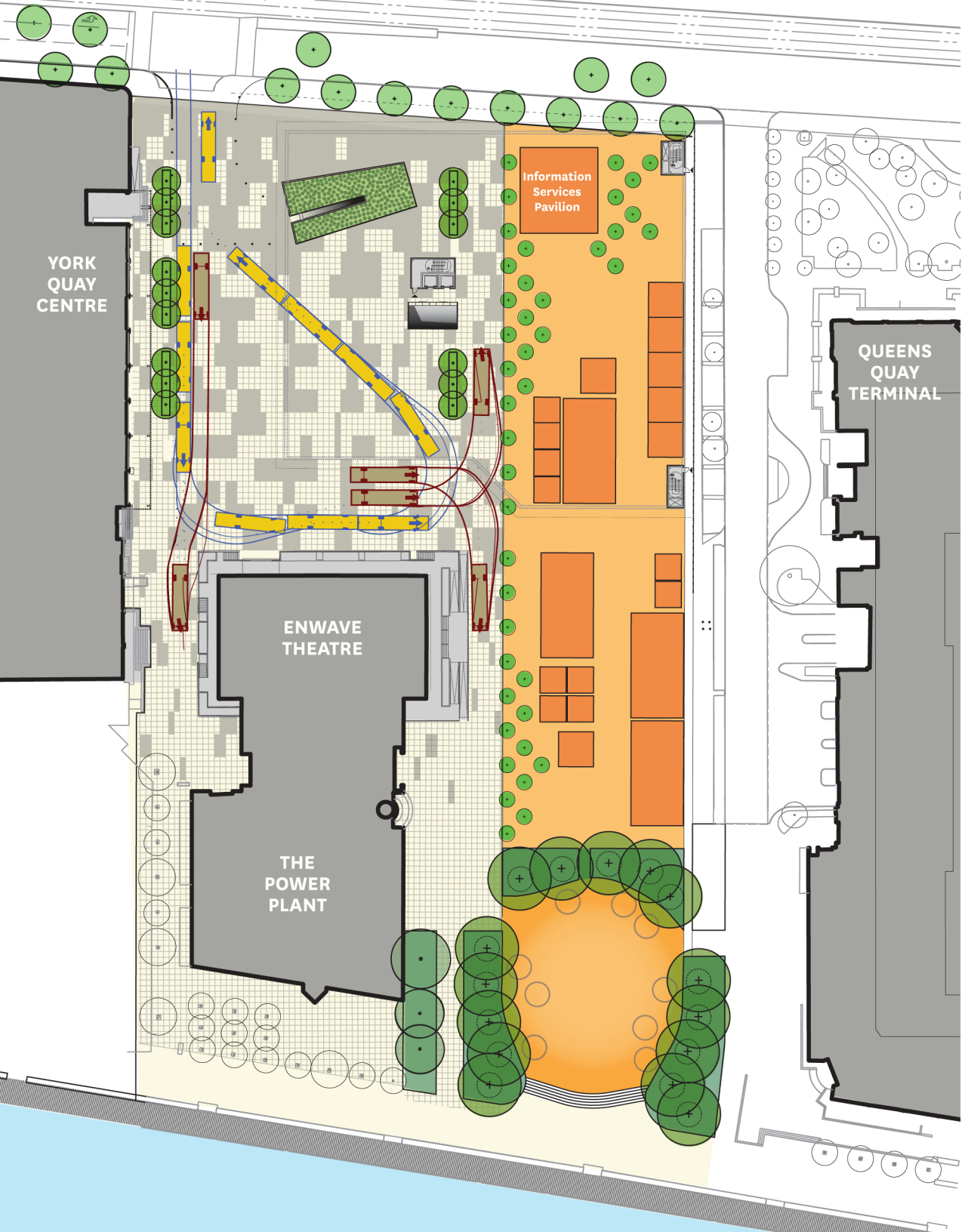
Union Square Park, New York NY

Underground Garage and Entries



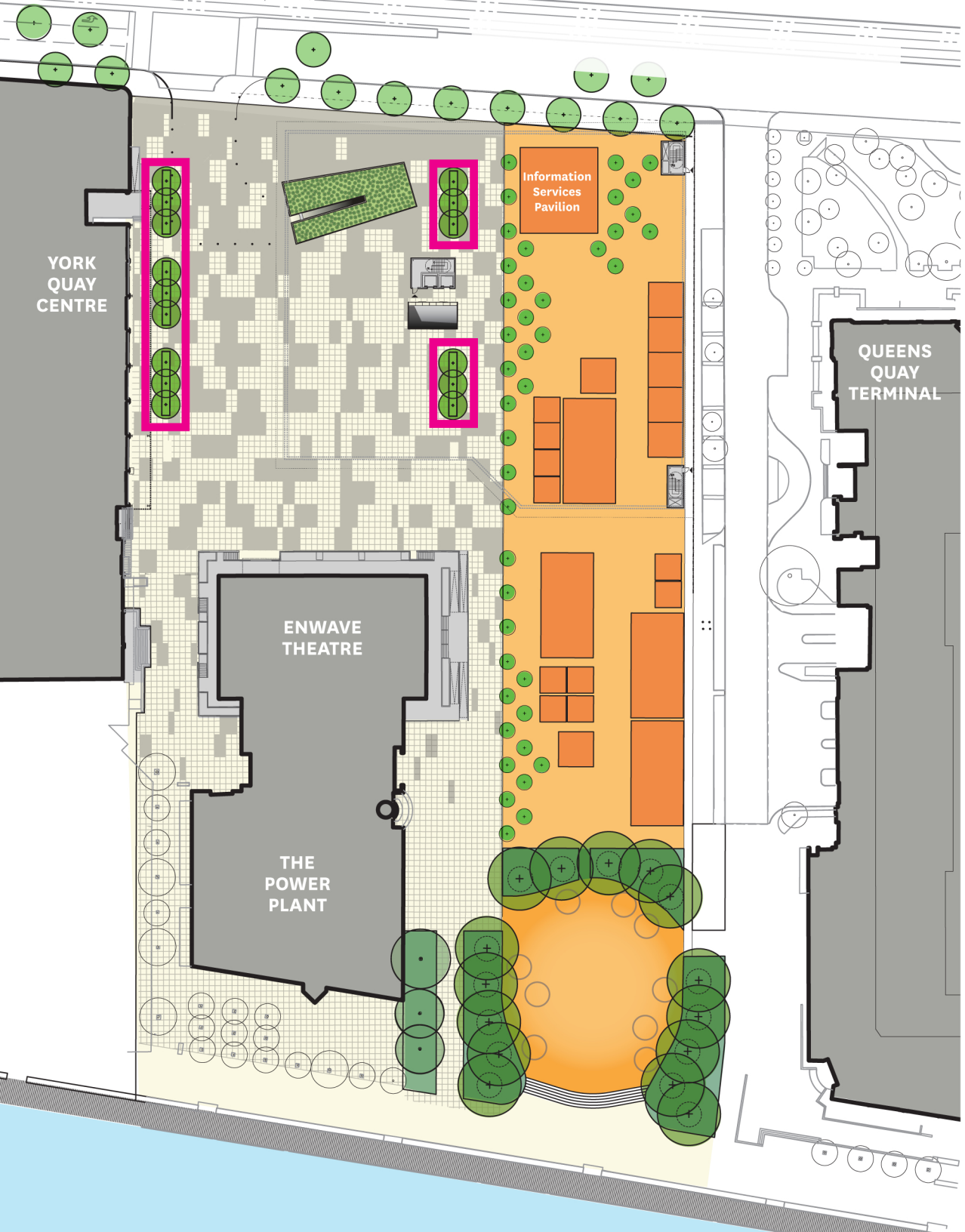
A — Garage entry ramp

B — Primary egress/ elevator core



Metrics of Vehicular Movement

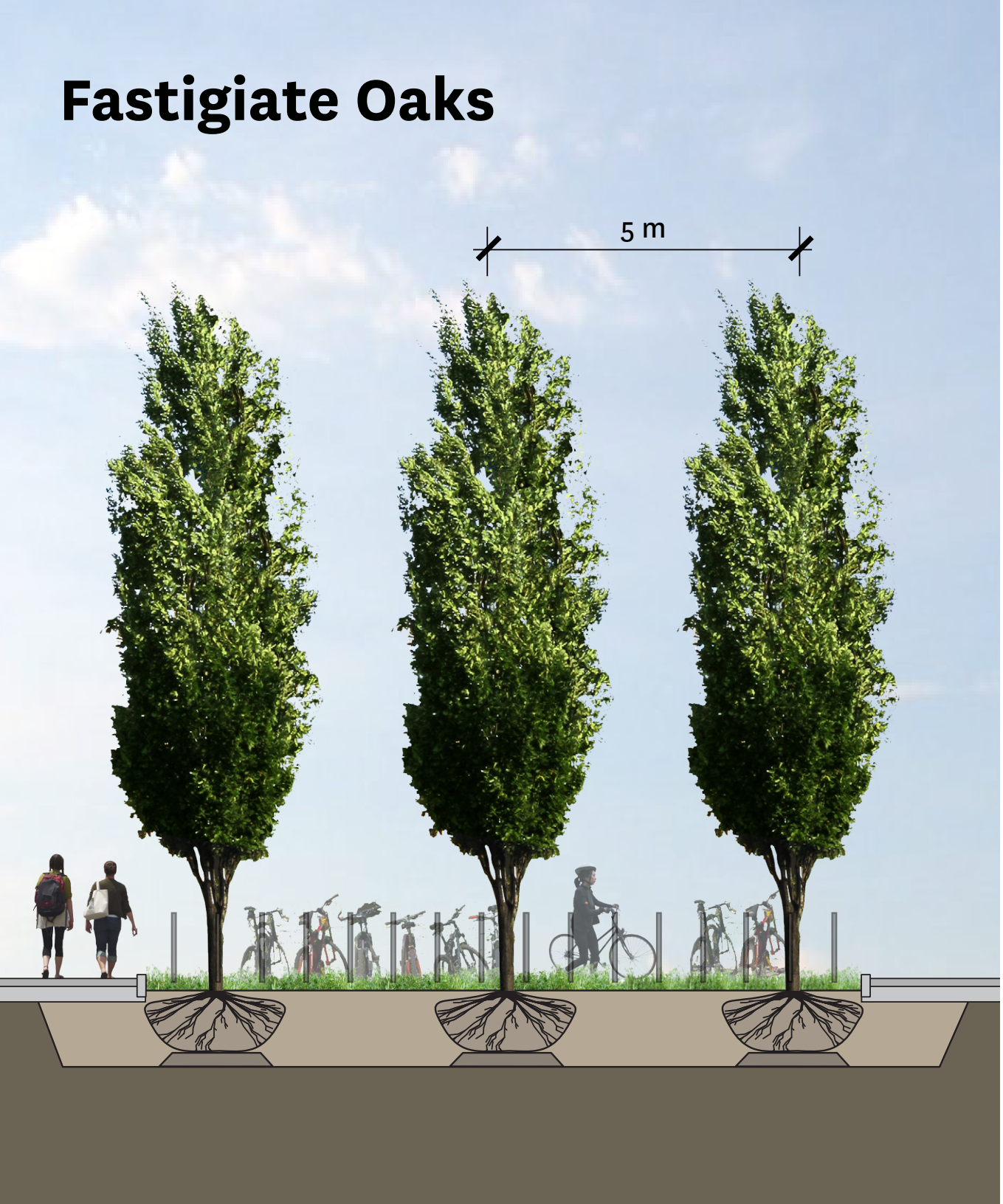
- Schoolbus drop-off
- Servicing/fire truck access
- Servicing to future Cultural Village



Columnar Oaks

- Columnar form good for vehicular context
- Backdrop for garage entry elements
- Scales down the plaza
- Accommodates bike parking
- Toronto adaptable

Fastigiate Oaks



- Continuous open soil trench
- Provides visibility for retail
- Site furniture placement aligned with tree planting

View of Garage Circulation Core

View of Garage Entry Ramp

Coppice Landscape

Coppice Landscape

Marcel Odenbach, 2003

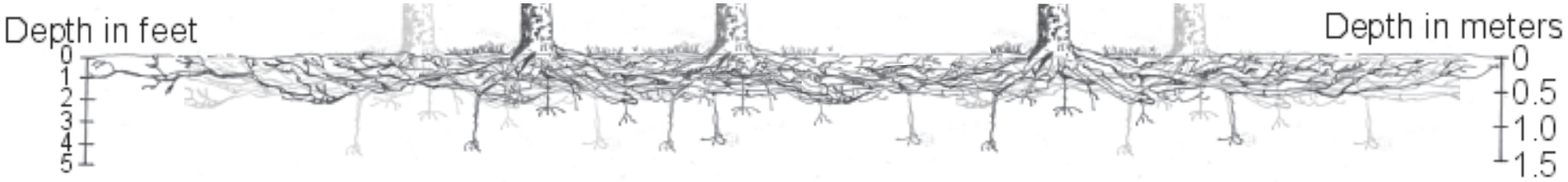
Poplars in a natural context, Canada

KINETIC QUALITIES

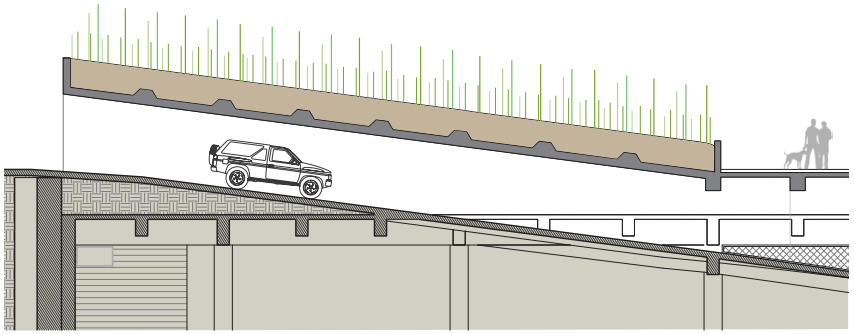
- Movement in breeze
- Staccato effect when moving around the micro-forest
- Seasonal change

ADAPTIVE QUALITIES

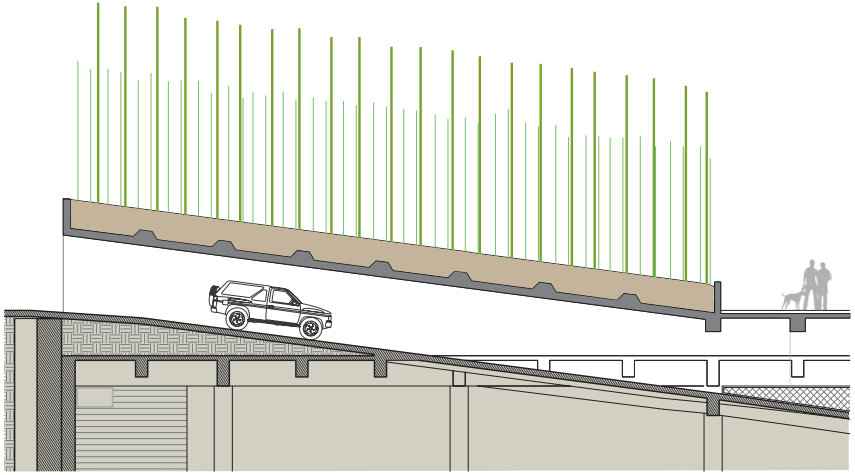
- Readily sprouts when original tree is cut back
- Flourishes in poor or minimal soil conditions



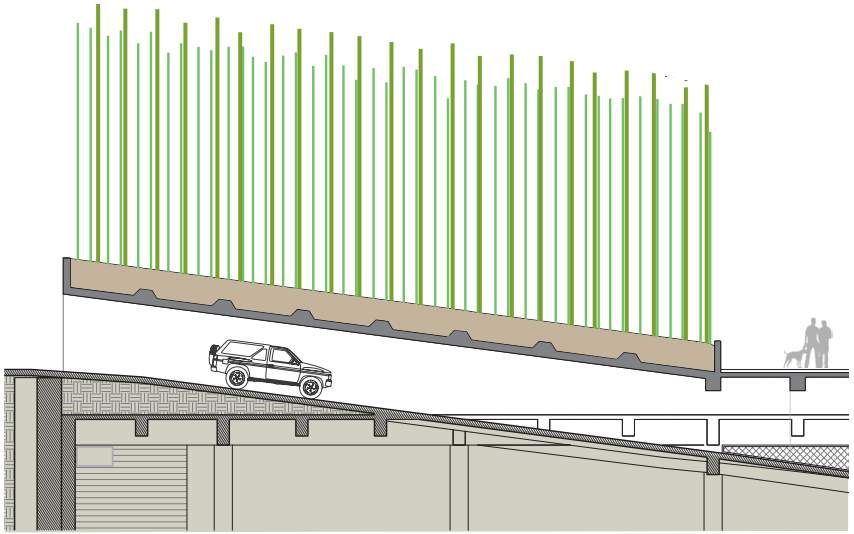
Selective Coppicing



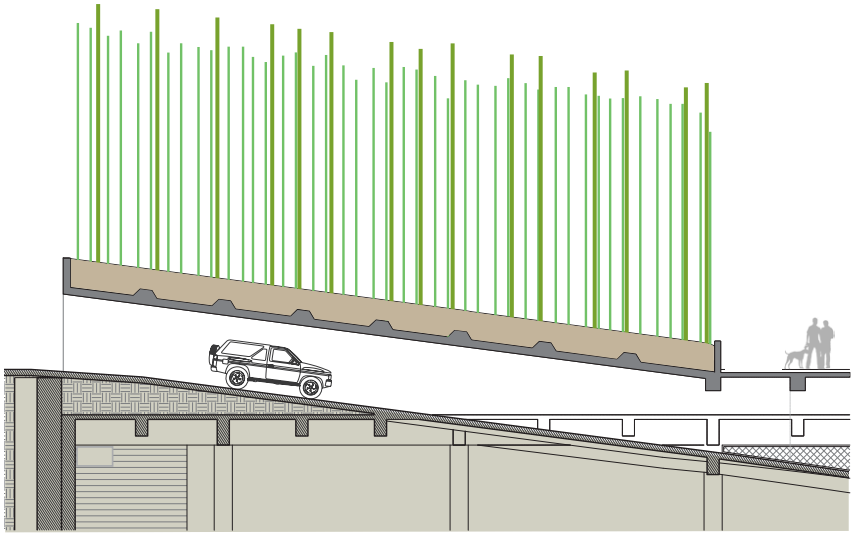
Install — mix of cuttings/B&B at 1-2m tall



5 Years — 5-6m



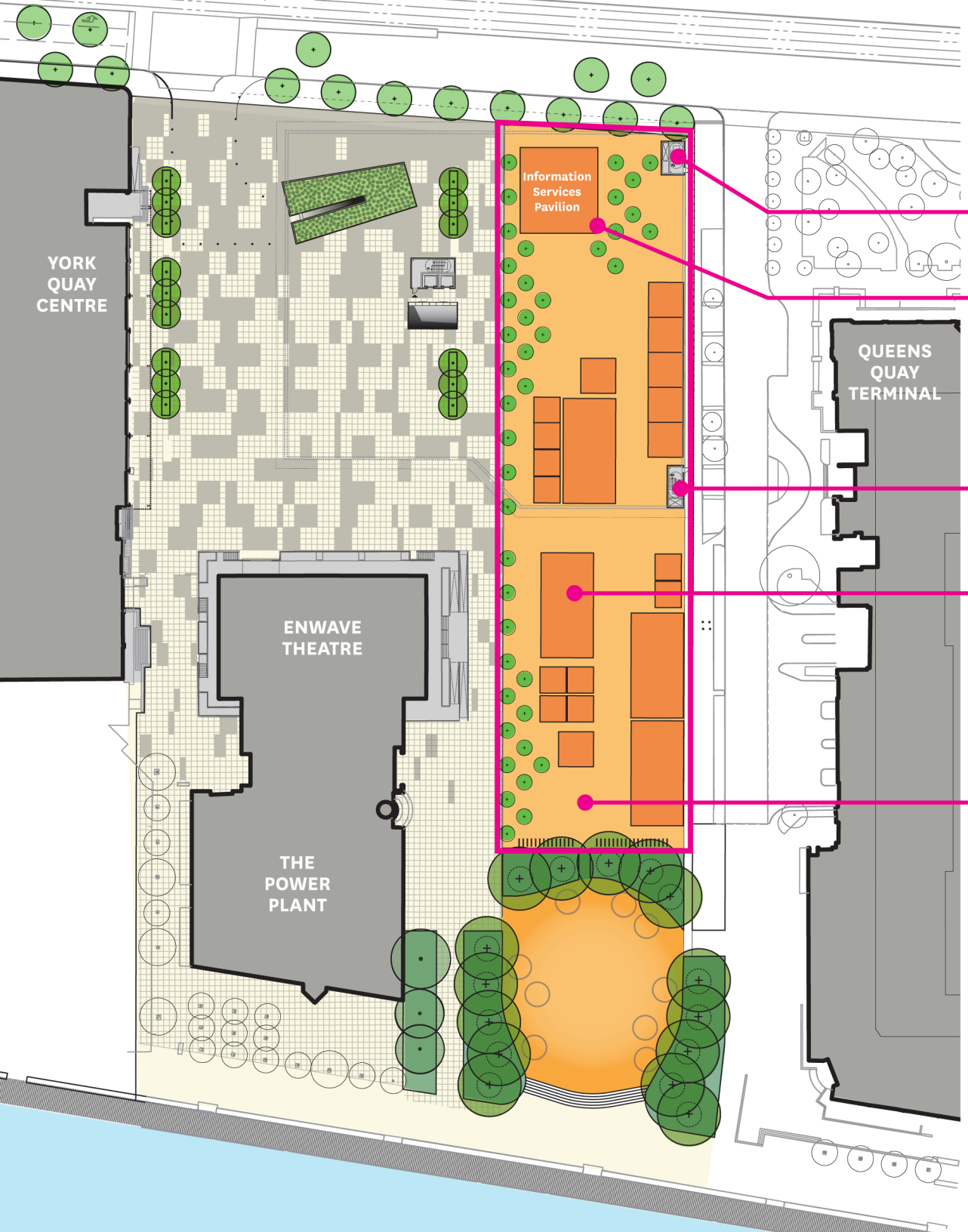
10 Years — 8-9m



>10 Years — selective coppicing

Interim Landscape

Interim Landscape



Garage Egress (north)

Information Services Pavilion (Relocated)

Garage Egress (south)

Seasonal Tents

Seating and Bike Parking

Interim Landscape

Interim Landscape

The Louvre, Paris, France

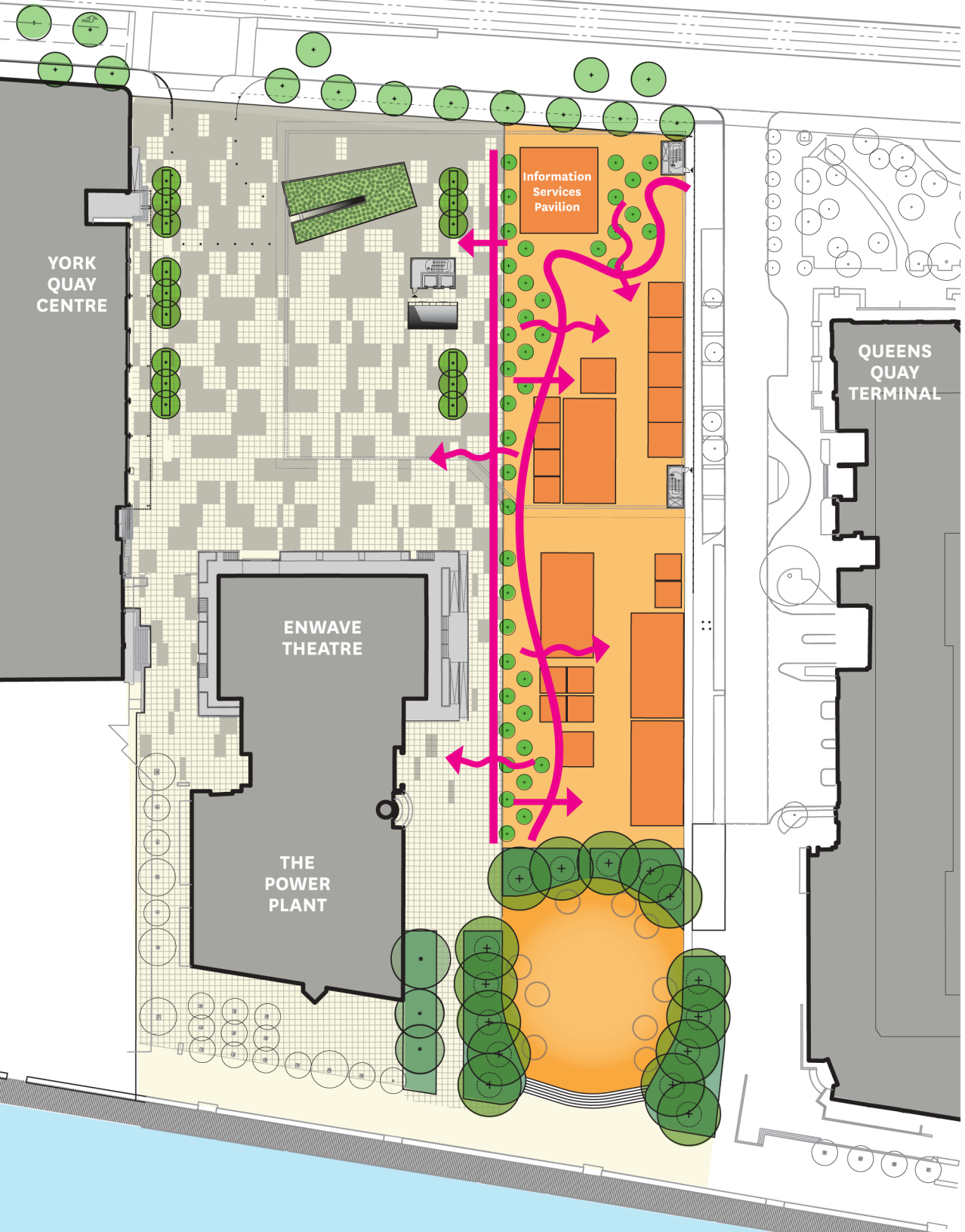
STABILIZED AGGREGATE

- Installed in parks around the world
- 100% natural product
- Can install up to tree trunk
- Easily repaired/maintained
- Plowable (with rubber-tipped blade)

HYBRID POPLARS

- Fast growing (up to 3m/year)
- Hardy/resilient
- Easily managed
- Engineered to be disease resistant and allergen-free
- Kinetic qualities

Interim Landscape



- Presents a straight, tree-lined edge to the urban plaza
- Presents an irregular edge to shape the interim landscape programming


URBAN PLAZA
(unit Pavers)
INTERIM LANDSCAPE
(stabilized aggregate)
Straight Edge
Enwave Theatre
beyond
INFORMATION
SERVICES
PAVILION
URBAN PLAZA
(unit Pavers)
INTERIM LANDSCAPE
(stabilized aggregate)
Irregular Edge

Interim Landscape — Flexible Seating

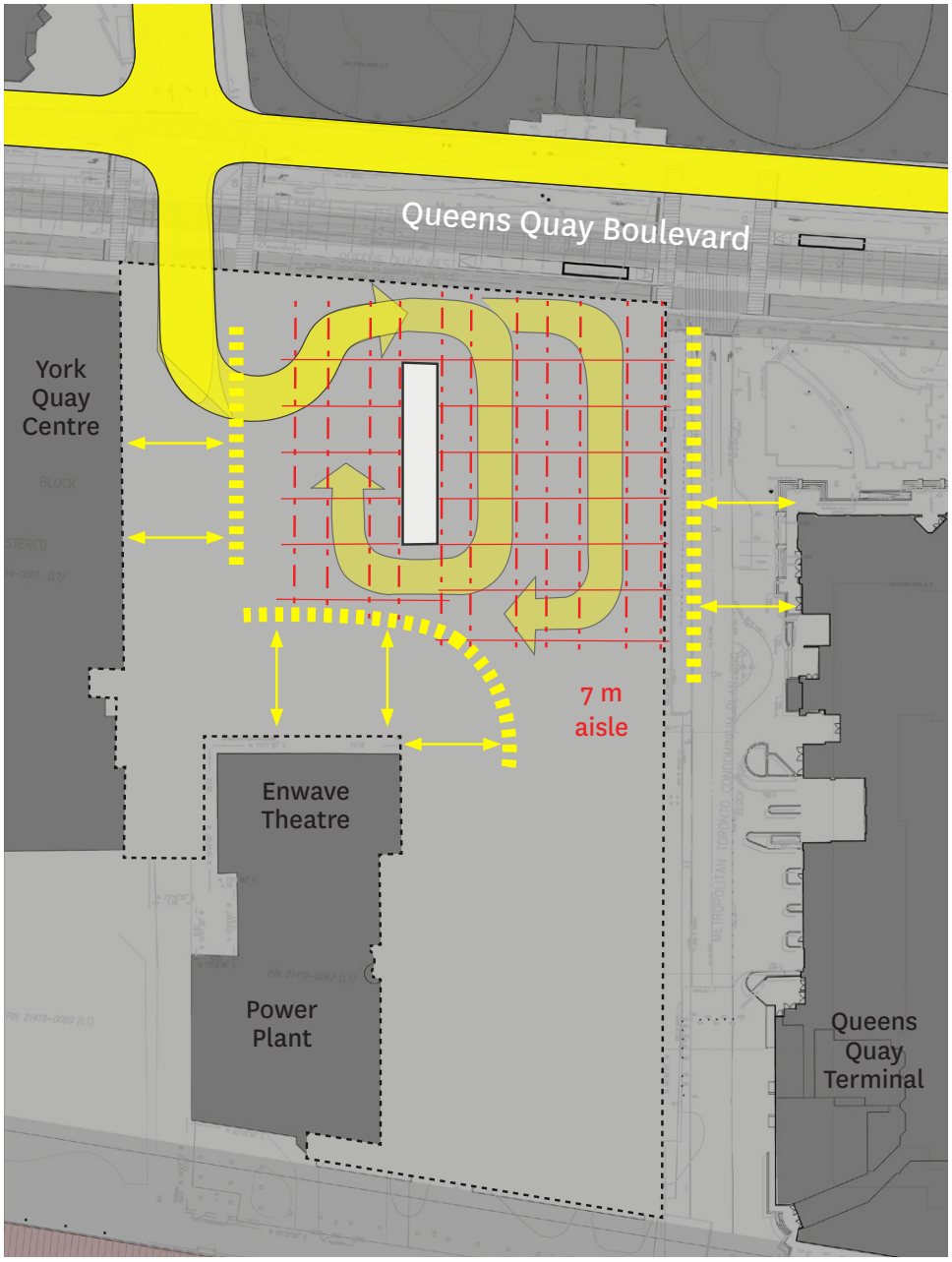
Luxembourg Garden
Paris, France

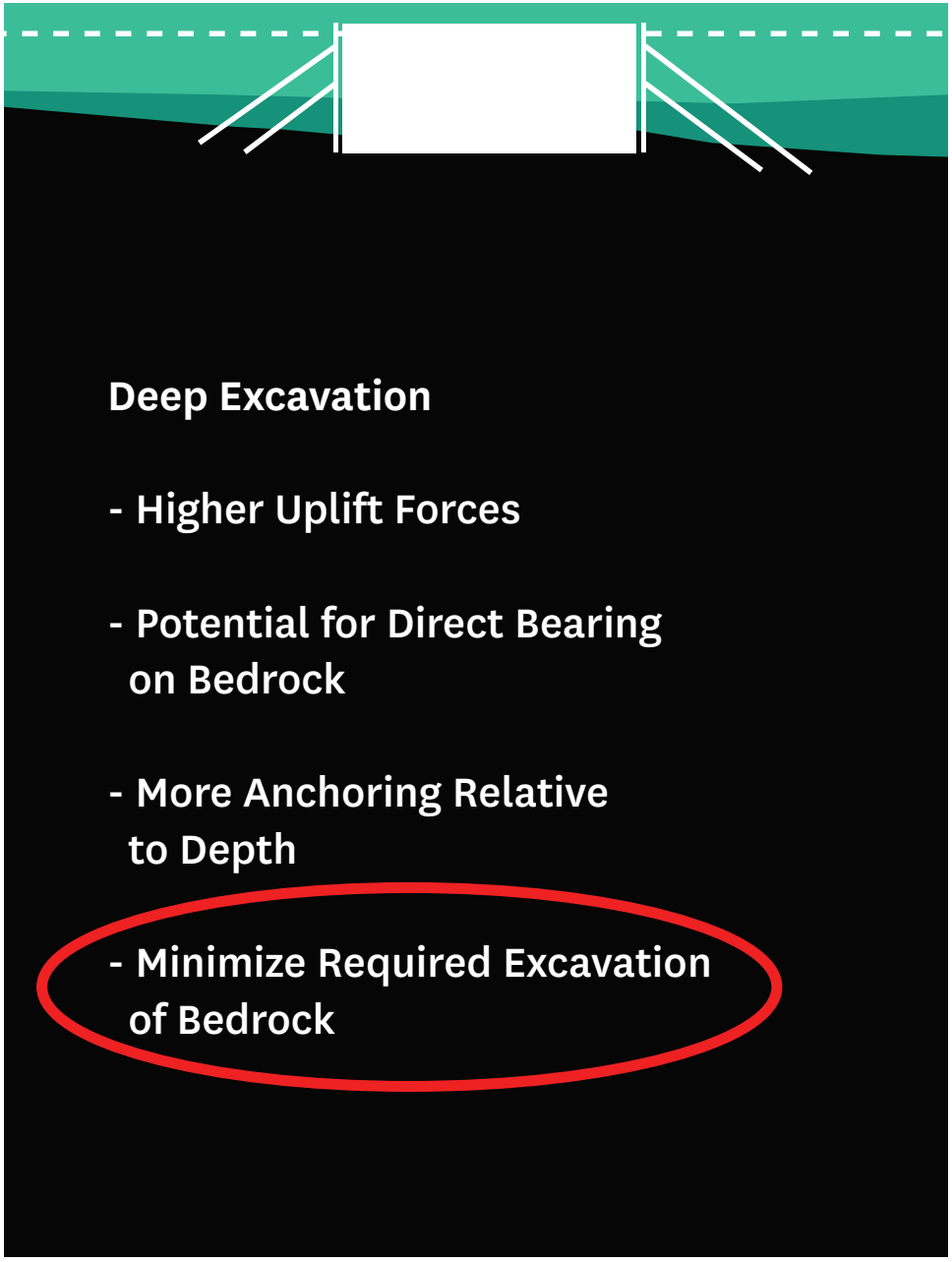
Harbourfront Centre
Toronto, Canada

TRANSFORMING THE EXPERIENCE OF THE UNDERGROUND GARAGE

Subgrade Considerations

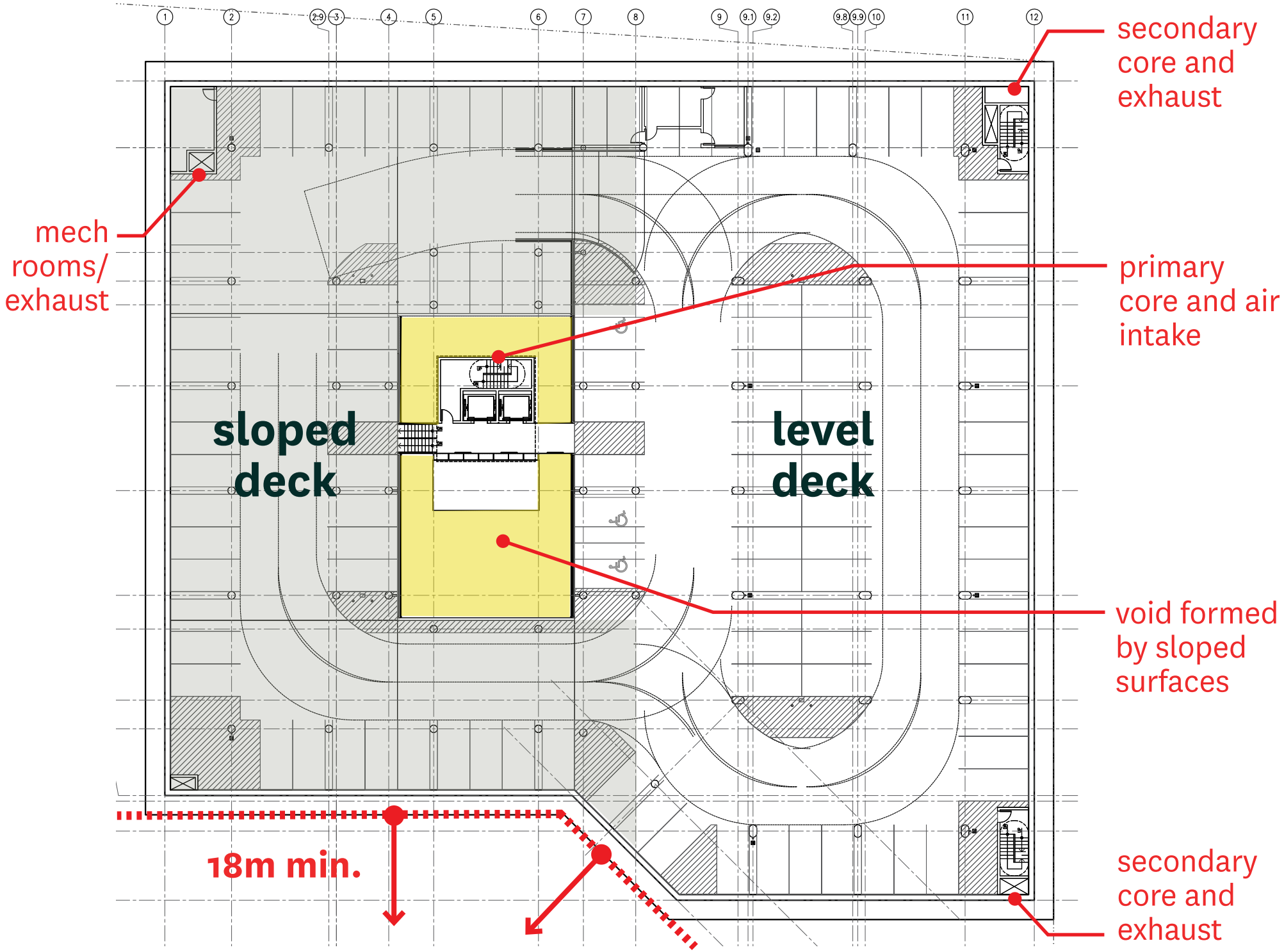
Building Settlement/Bedrock Depth



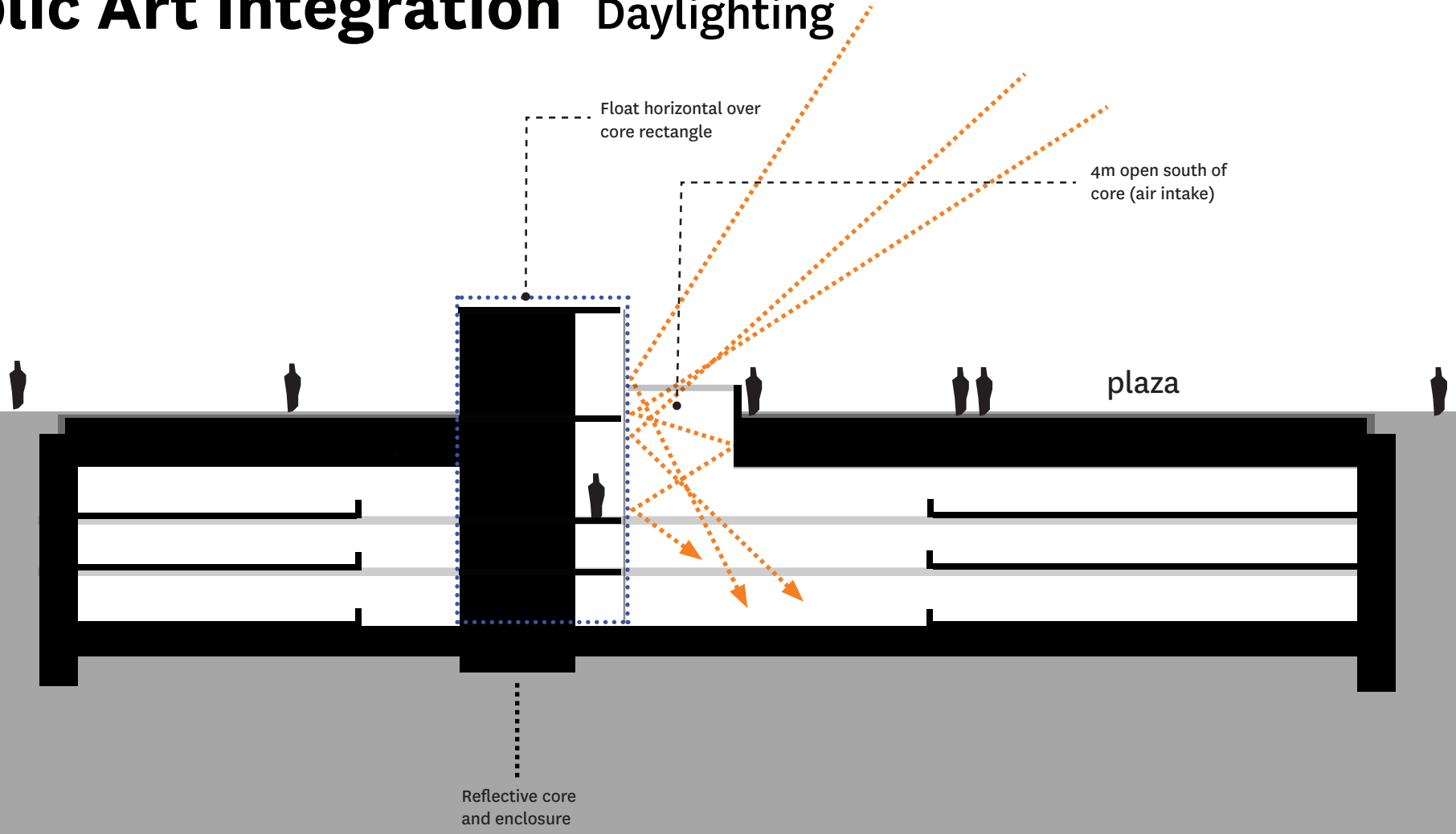


Deep Excavation

- Higher Uplift Forces
- Potential for Direct Bearing on Bedrock
- More Anchoring Relative to Depth
- Minimize Required Excavation of Bedrock

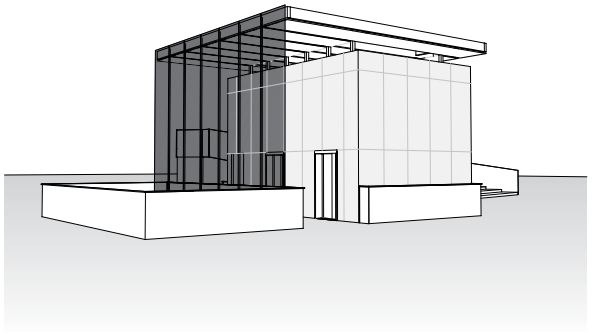

secondary core and exhaust
mech rooms/ exhaust
primary core and air intake
sloped deck
level deck
void formed by sloped surfaces
18m min.
secondary core and exhaust

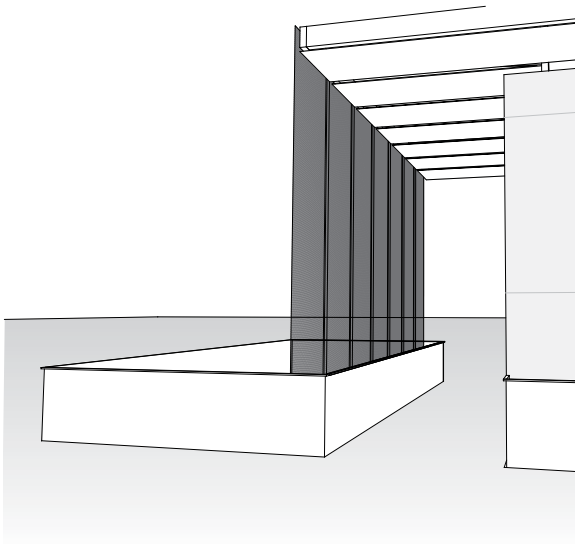
Public Art Integration Daylighting



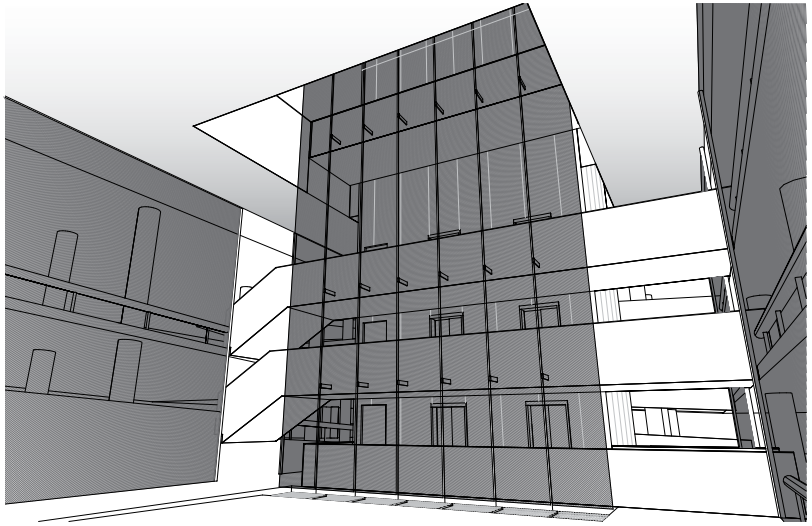
Functions of Aperture :
- Natural ventilation for garage
- Way finding device for vertical circulation
- Daylighting in garage, reduces energy consumption
- Dynamic space, vertical extension of park into garage

1 opening in plaza associated with platform and core

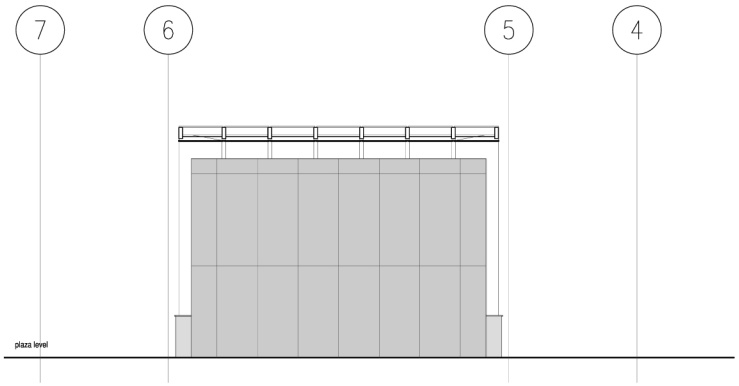




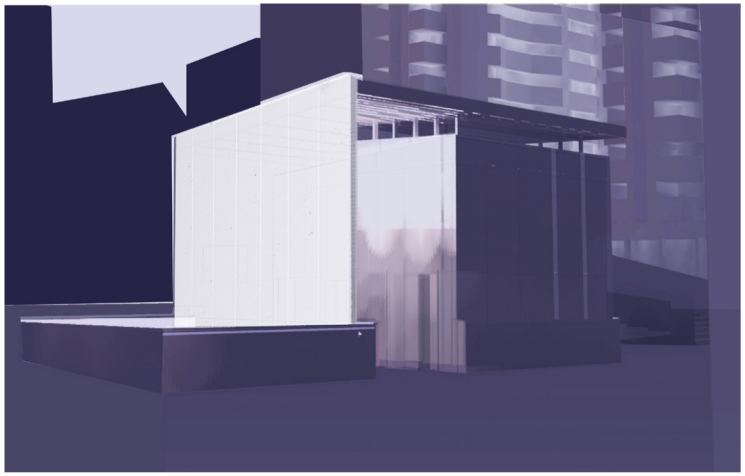
Reflector Precedent



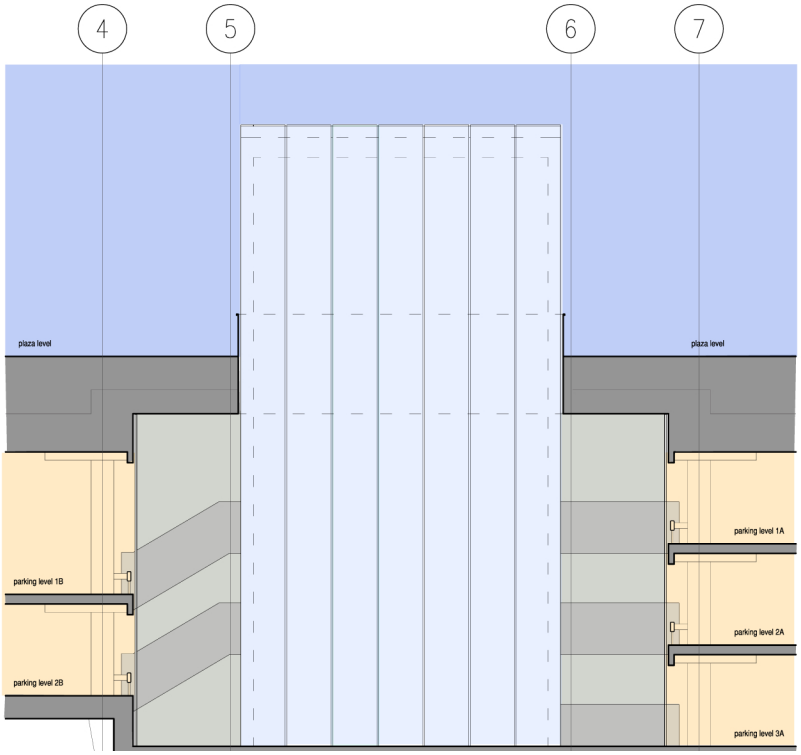
Sky Aperture Precedents



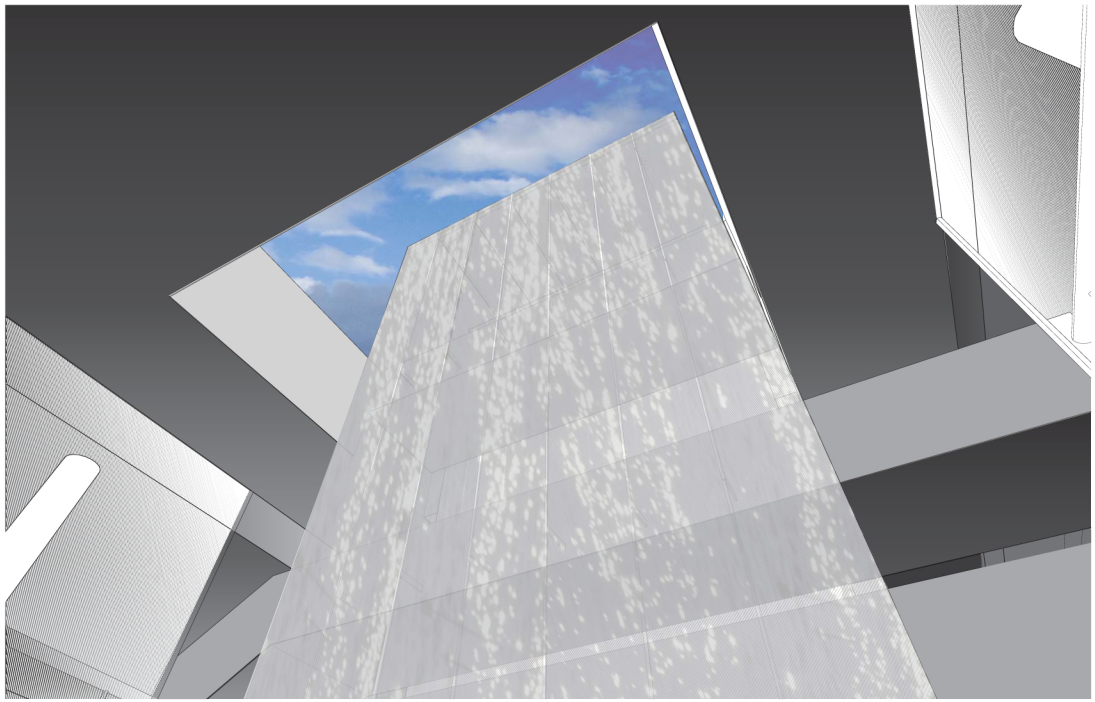
North Elevation



Perspective view core and screen from plaza

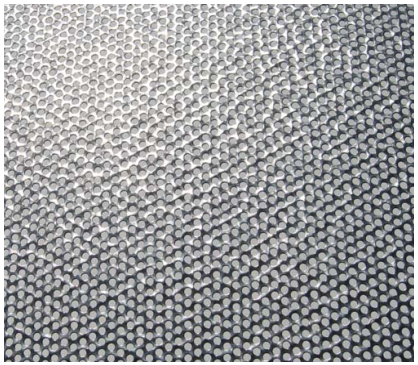


Short Section Through Garage



Perspective view

Materials



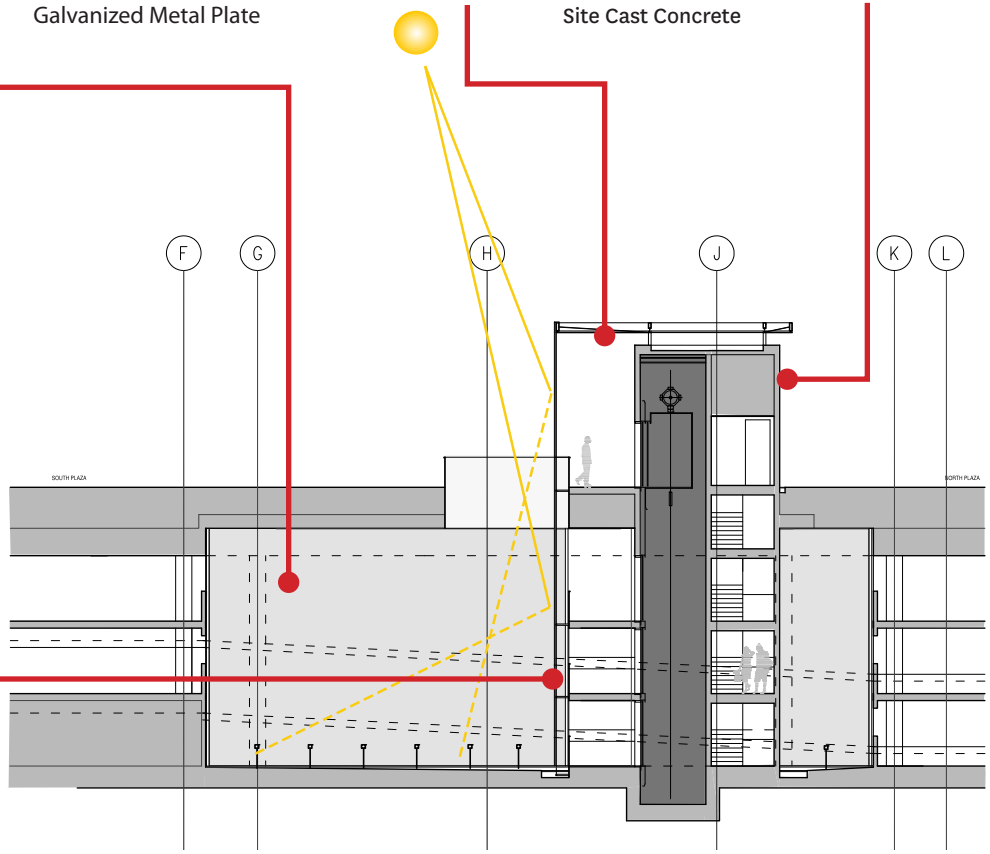
Perforated Embossed
Sheet Metal Strip

X-tend Mesh Liner

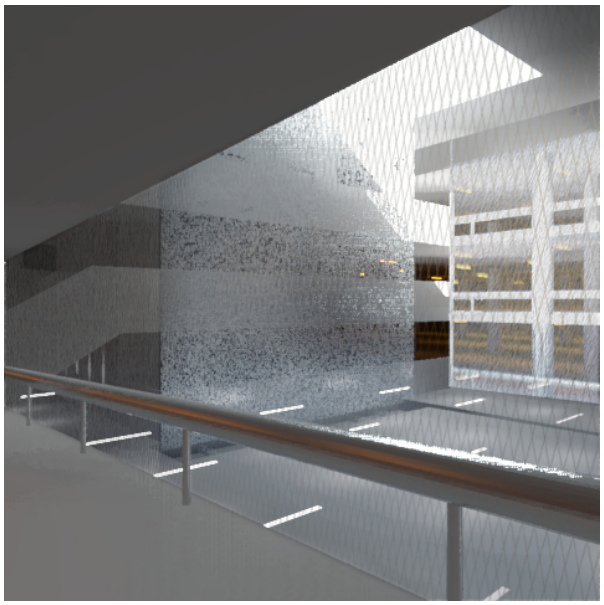
Galvanized Metal Plate

Site Cast Concrete

Inspiration | Precedent



Section Through Garage



March 21 at 3 pm

March 21 at 10 pm

March 21 at 7 pm

Day | Night Renderings