



York Street Park

Detailed Design

December 11th, 2019

Project Description & Background

- Schematic Design review July 2019
- Waterfront Toronto is managing this project on behalf of Parks, Forestry and Recreation
- The design competition winning design was announced on October 9th and Love Park by Claude Cormier et Associés was chosen as the winning design for York Street Park.
- The project is scheduled to start construction in late 2020 and to be completed in 2022.
- The project construction budget is \$8.36 million.

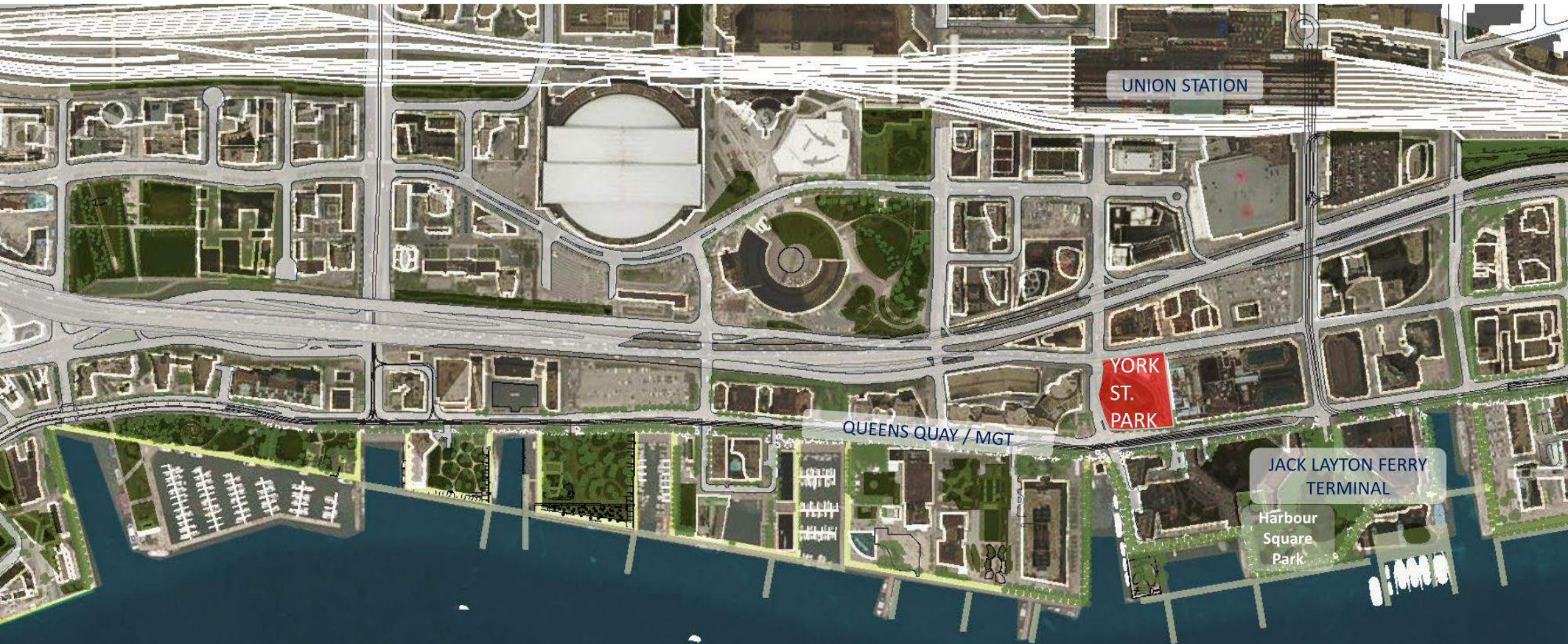
Site Context

York Street Park

Proponent: Waterfront Toronto

Design Team: Claude Cormier + Associates, gh3

Review Stage: Detailed Design



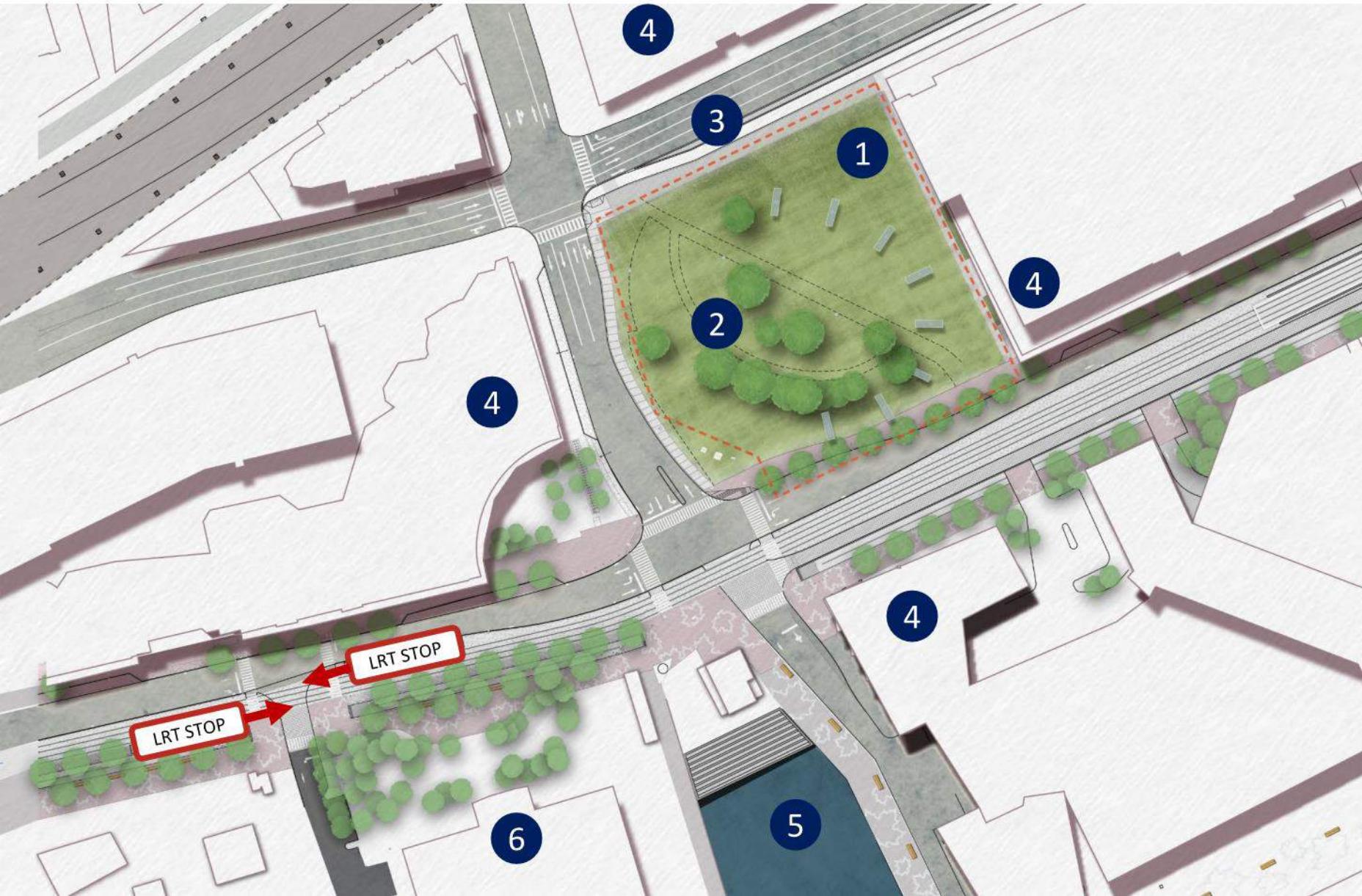
Site Context

York Street Park

Proponent: Waterfront Toronto

Design Team: Claude Cormier + Associates, gh3

Review Stage: Detailed Design



- 1 Eight Bents:** remnants of the off-ramp that was recently removed, these piers of the former highway recall a spiral geometry prescribed by turning radii and speed limits. These bents may be removed or incorporated into design proposals.
- 2 Twelve Trees:** Eight Siberian Elms, Three Norway Maples and a Silver Maple have been preserved through the demolition of the ramp. These mature trees can contribute significantly to the park.
- 3 Harbour St. Frontage:** When the York-Bay-Yonge Ramp was removed, this became a street accessible to pedestrians, permitting new patterns of use that have yet to be discovered.
- 4 Tall Buildings on Four sides:** The park is framed by two office buildings and two residential buildings and will see use by the occupants of all four buildings. The view to the park that these buildings create is as critical as the frame that they provide for the space.
- 5 York Slip:** located immediately south of York Street Park, York Slip is a busy quay where passengers catch water taxis and party boats.
- 6 Queens Quay Terminal:** Kitty corner to York St. Park, this building includes a grocery store, restaurants, a dance company and residences. The Toronto Book Garden on its Queens Quay Frontage

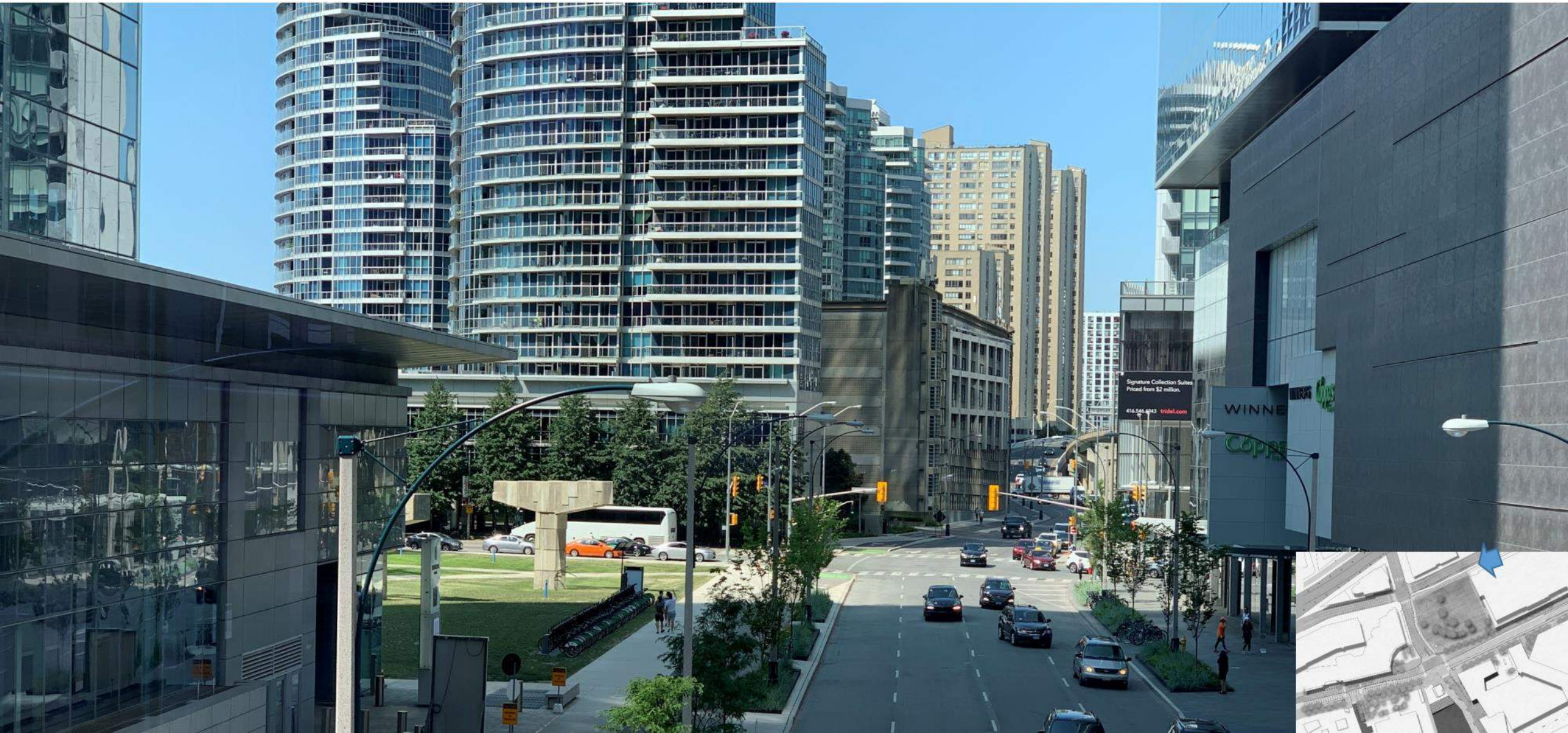
1

a) York Street Park – looking south from 1 York podium

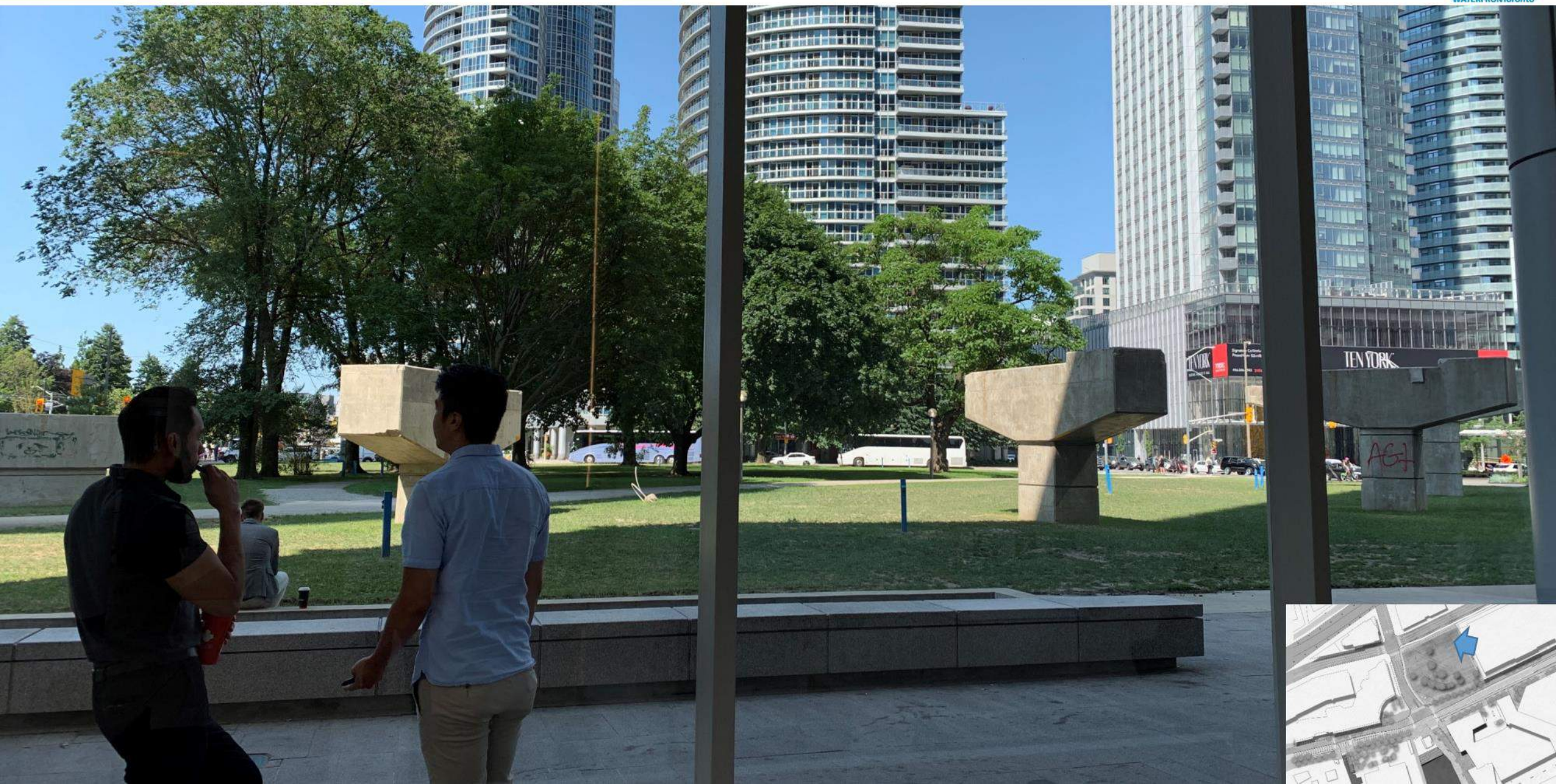


2

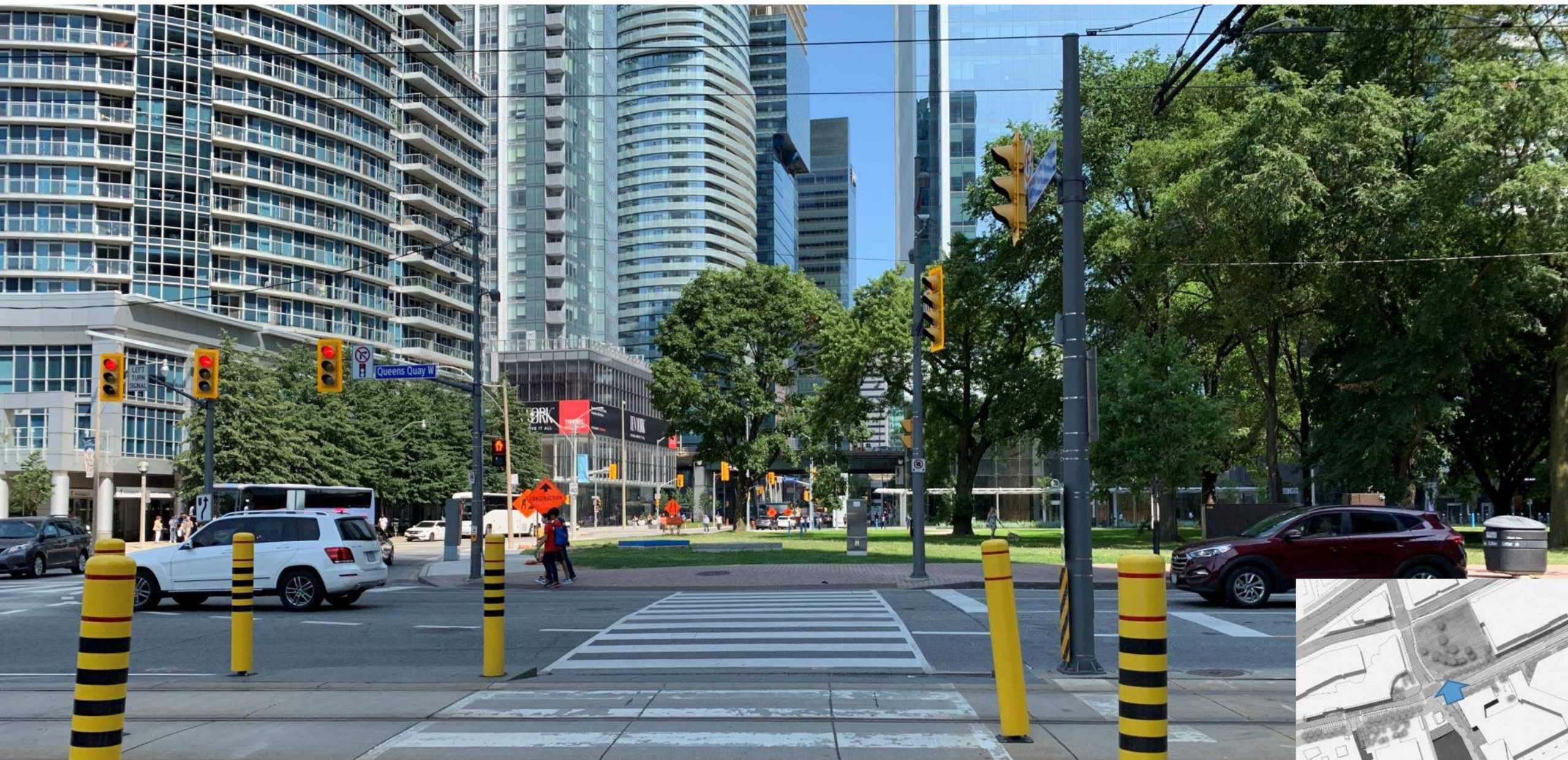
York Street Park – looking west from bridge over Harbour Street



3 York Street Park – looking west from 88 Queens Quay lobby



4 York Street Park – looking north from Queens Quay



Key Design Updates

- The pavilion design has been advanced.
- The paths and layout of the paving have been advanced.
- Further refinement to overall tree layout.
- Interface with QQ has been adjusted.
- Paving materials have been optimized (granite and concrete).
- Pond edge material and form have been further developed.
- Mechanical building design has been refined.
- Tree layout has been optimized.
- Park lighting has been adjusted.

Project Milestone Schedule

York Street Park

Proponent: Waterfront Toronto

Design Team: Claude Cormier + Associates, gh3

Review Stage: Detailed Design

- Summer 2020 – Contract Documents Complete
- Fall 2020 – Estimated Begin Construction
- Summer 2022 – Estimated Construction Complete

Project Approval Stage

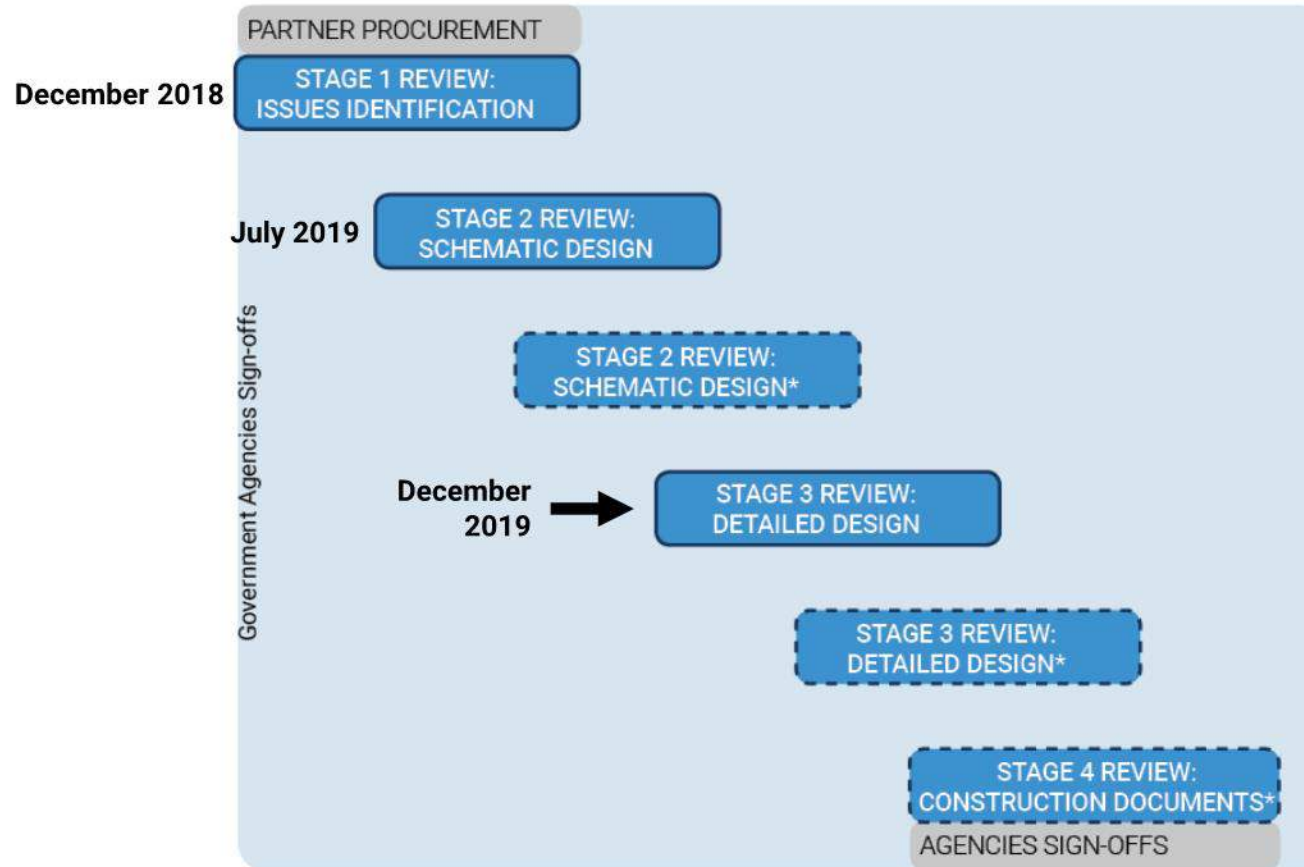
DRP Stream 2: Public land

York Street Park

Proponent: Waterfront Toronto

Design Team: Claude Cormier + Associes, gh3

Review Stage: Detailed Design



*This review will only be required if the project has changed significantly since the previous review, or the Panel, Waterfront Toronto, or City staff have significant outstanding concerns.

Recap from July 2019

Schematic Design Consensus Comments

Landscape

- Consider the impact of large gatherings at the park such as tour groups meeting and pedestrians queuing at the corner of York and Queens Quay.
- Consider the park edge interface in with Queens Quay and office building to address pinch points.
- High quality details are strongly supported and critical as the design evolves into next phase.
- Referencing the experience at Berczy Park, both movable furniture and animal sculptures are important elements.
- Commended the team for the proposed maintenance strategy; a good example for future waterfront public space projects.
- Maintenance concerns included cigarette waste management and annual pond cleaning method.
- Concerns with the long-term durability of ceramic tiles in the Toronto climate.

Building

- Strong support for the living green trellis pavilion – it will get more beautiful over time.

Sustainability

- Leverage this opportunity to communicate to the public on the green infrastructure of the project and its benefits to the city.

Areas for Panel Consideration

- Pond edge mosaic
- Paving layout
- Pavilion geometry and how it meets the ground
- Mechanical building: proximity to sidewalk and materiality

LOWVE PARK

DRP #3

TORONTO

YORK STREET PARK
DRP#3 - DESIGN DEVELOPMENT
DECEMBER 11, 2019

PROJECT LEAD LANDSCAPE ARCHITECTURE:

Claude Cormier + Associés

ARCHITECTURE:

gh3

ENGINEERING:

Arup

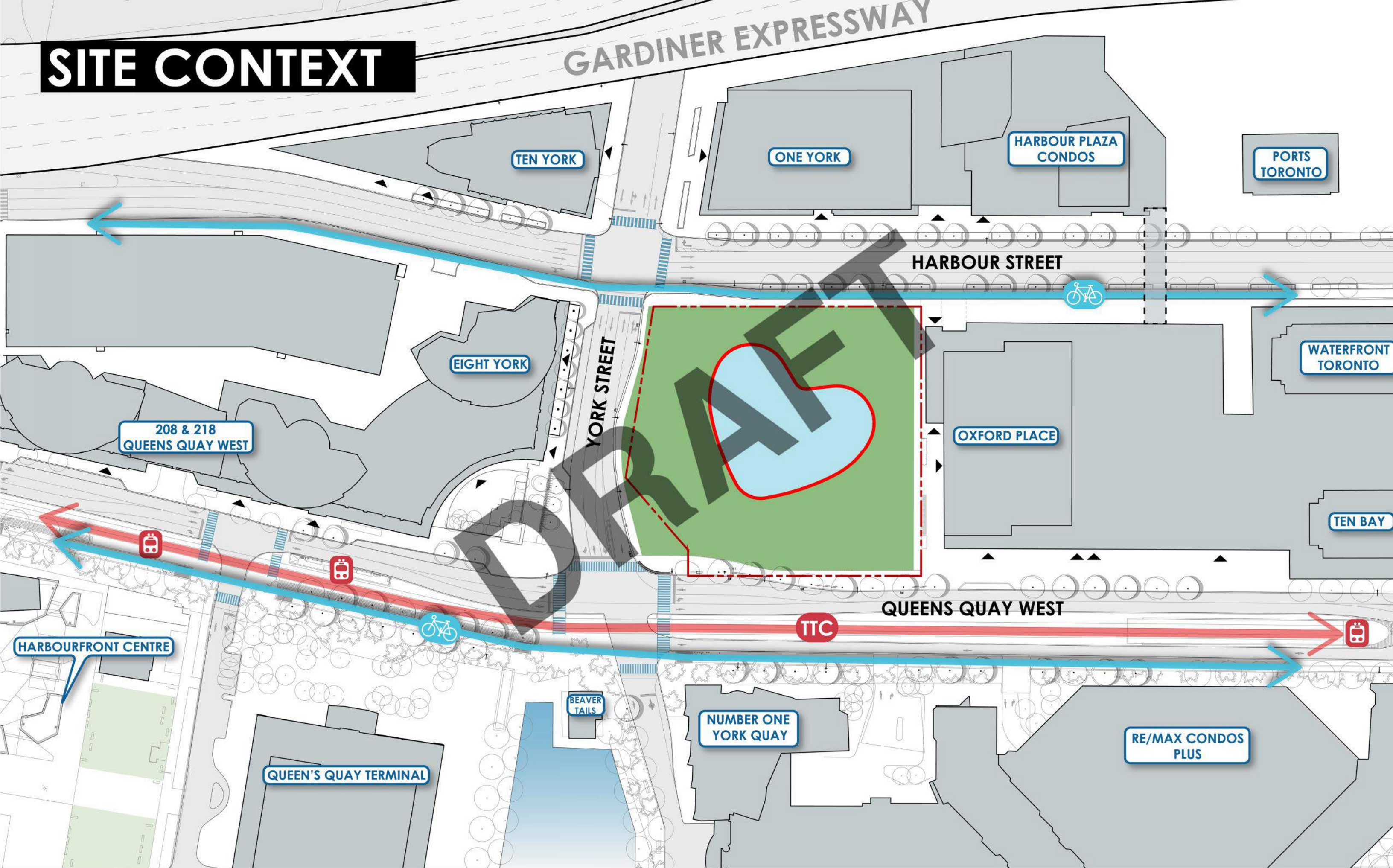
LIGHTING DESIGN:

Ombrages / Éclairage Public

WATER WORKS:

DEW Water Architecture

SITE CONTEXT



DRP #2 PARK PLAN VS OPTIMIZED PLAN



JULY 2019

YORK STREET PARK
JUNE 27, 2019



DECEMBER 2019

YORK STREET PARK
NOVEMBER 13, 2019



OPTIMIZED PLAN

DECEMBER 2019

HARBOUR STREET

YORK STREET

QUEENS QUAY W

52 SQM MECHANICAL ROOM
CIP CONCRETE STRUCTURE
REFLECTIVE STEEL CLADDING

CIP CONCRETE SIDEWALK
WITH EXPOSED GRANITE
AGGREGATE

GROUND COVER PLANTING

MOVABLE FURNITURE

OPTIMIZED POND EDGE

GRANITE PAVING

SUSPENDED ILLUMINATED
HEART ON THREE MASTS
(SHORTER HEIGHT AND SPAN)

PAVERS AT ZONE OF REPOSE

OPTIMIZED PAVILION
AND VINES

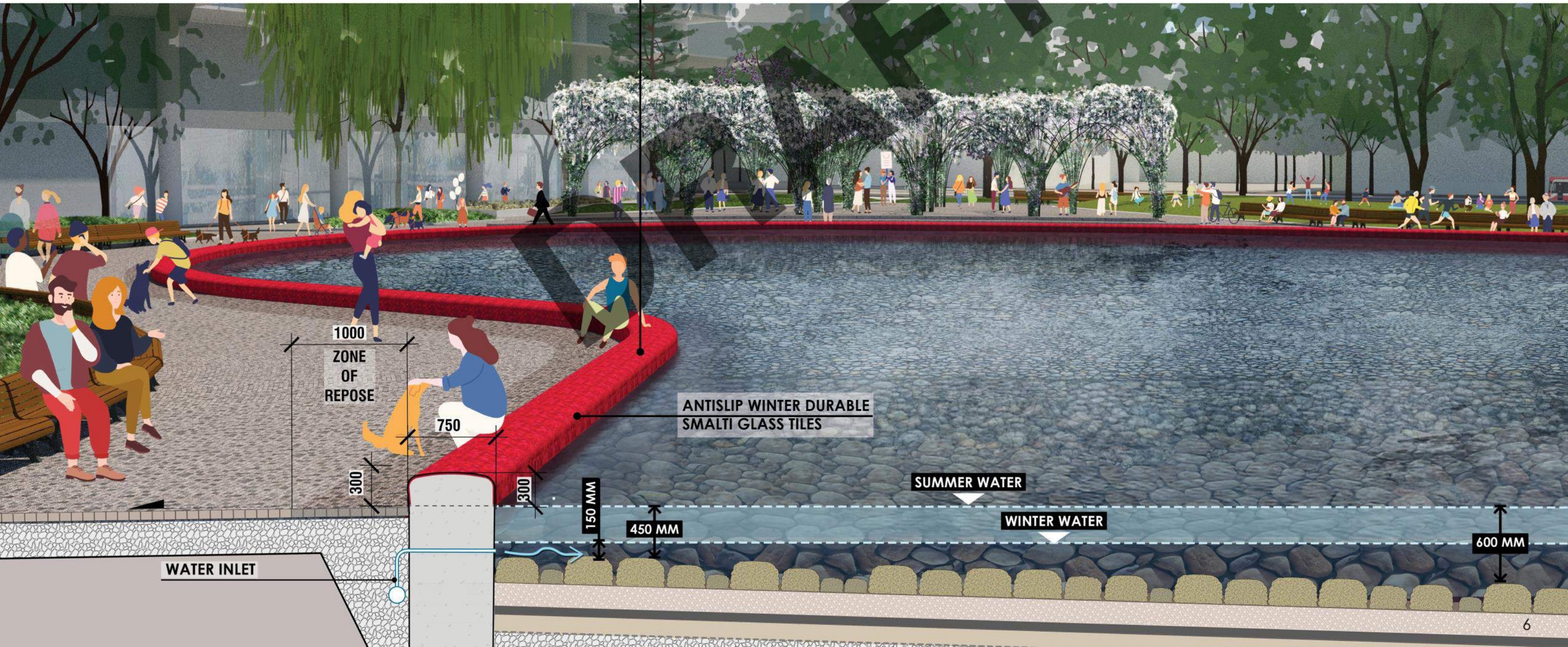
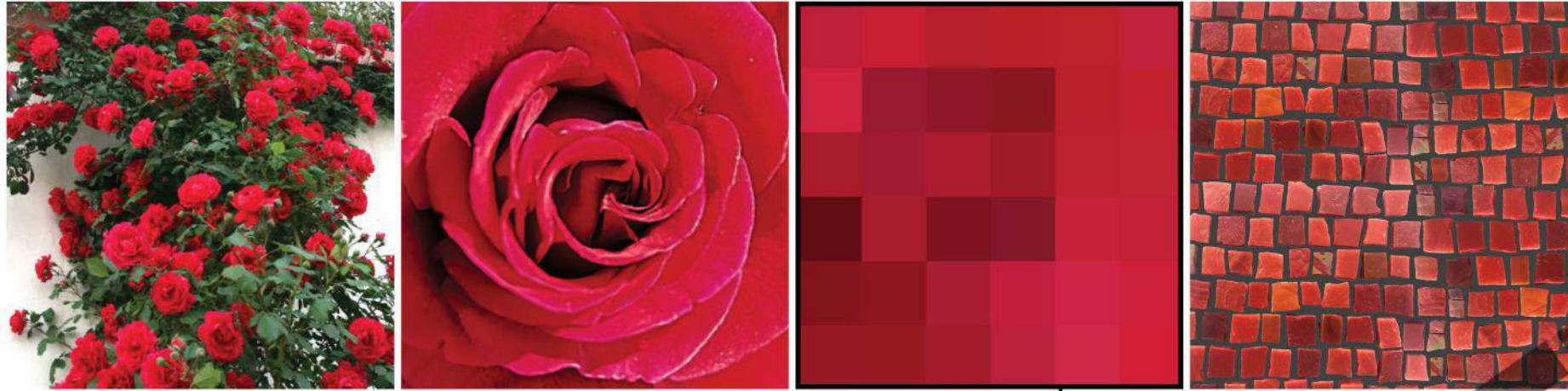
GRASS MOUNDS

QUEENS QUAY PAVER
INTEGRATED INTERFACE





OPTIMIZED POND EDGE



OPTIMIZED POND EDGE - CREATING AN ICON

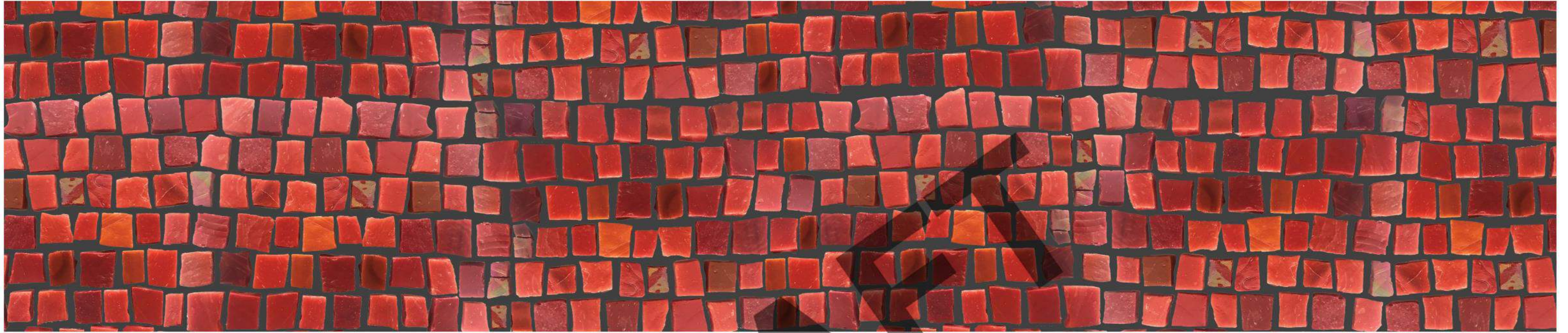


PRECEDENT / PARK GÜELL, BARCELONA



PRECEDENT / PARK GÜELL, BARCELONA

OPTIMIZED POND EDGE - RED SMALTI GLASS TILE



PRECEDENTS



SARASOTA NATIONAL CEMETARY – SARASOTA, FL.
BY MOSAIKA, 2014



WILDWOODS CONVENTION CENTER, NEW JERSEY.
BY MOSAIKA, 2011



STRAWBERRY FIELDS, CENTRAL PARK, NYC.
1985

OPTIMIZED POND EDGE - TILES LAST FOREVER



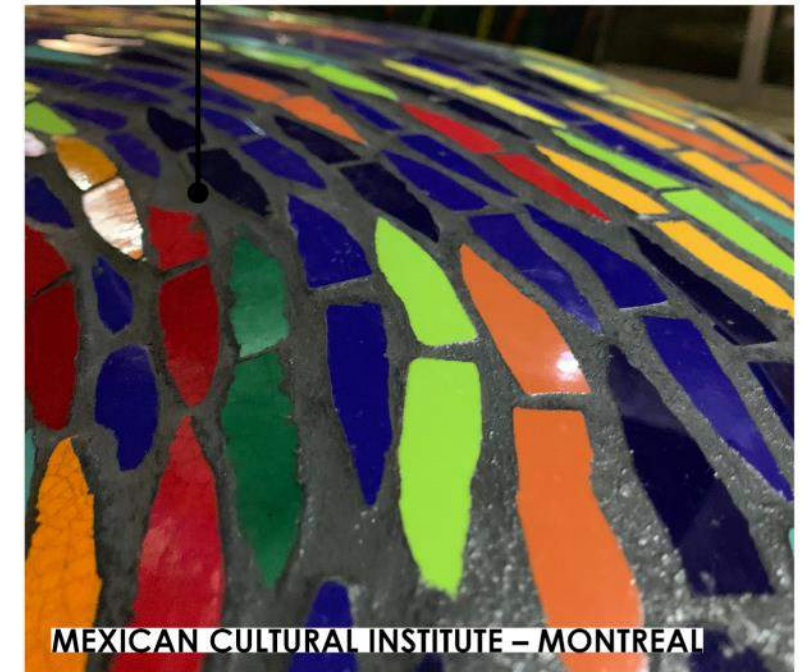
FRIDGIDARIUM – WOMEN'S BATH, HERCULANIUM, C 10BC

CANADIAN WEATHER NOT AN ISSUE



MEXICAN CULTURAL INSTITUTE – MONTREAL
DESIGN BY JAVIER SENOSIAIN, 2018

IRREGULAR SAND GRIT
JOINTS = ANTI-SLIP



MEXICAN CULTURAL INSTITUTE – MONTREAL



MEXICAN CULTURAL INSTITUTE – MONTREAL

TILE DETAIL AND LONGEVITY

BYZANTINE SMALTI

- INERT, NON-POROUS, INTEGRAL COLOUR
- NO HAIRLINE CRACKING, WHICH IS MORE TYPICAL FOR OUTDOOR APPLICATIONS OF CERAMIC TILE. NOT AN ISSUE WITH GLASS TILE
- SAMPLE FROM GLASS MOSAIC CANADA, TORONTO-BASED SUPPLIER (ETOBICOKE)

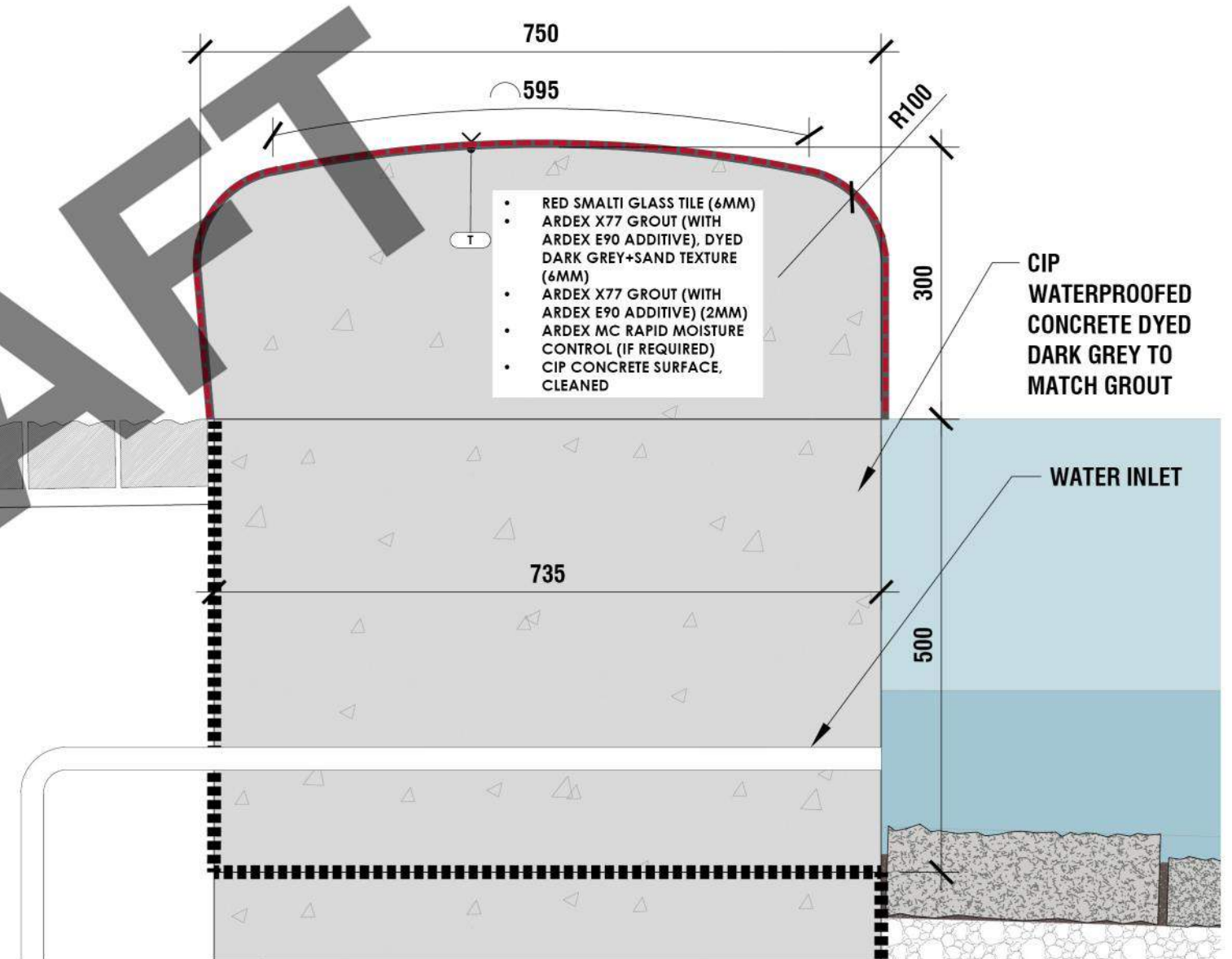
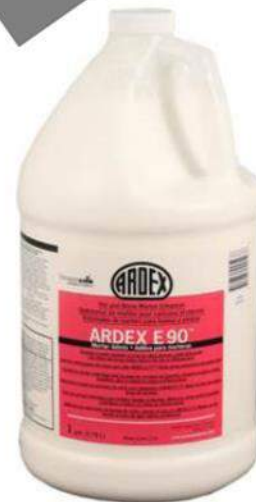
MORTAR AND GROUT

- ARDEX X77 + ARDEX E90 ADDITIVE (FOR IMPROVED ADHESION AND WATER-REPELLANCE, PARTICULARLY FOR TILES AT THE WATER LINE)
- THIS FIBER-REINFORCED PRODUCT REPLACES THE NEED FOR A PENETRATING SEALANT TO KEEP OUT MOISTURE. A TRANSPARENT SEALANT COULD BE APPLIED (BY SPRAY OR BRUSH) IF ANY ISSUES APPEAR OVER TIME
- AVOID EPOXY GROUTS WHICH GET HARDER WITH TIME AND MAY BECOME BRITTLE WITH AGE
- CAN BE DYED TO A MIDDLE GREY HUE (MAINTAINS CLEAN VISUAL LOOK)
- IF MOISTURE MIGRATION IS A PROBLEM WITH CONCRETE BASE, AN ARDEX MEMBRANE COULD BE APPLIED (ROLL-ON) BEFORE TILE APPLICATION

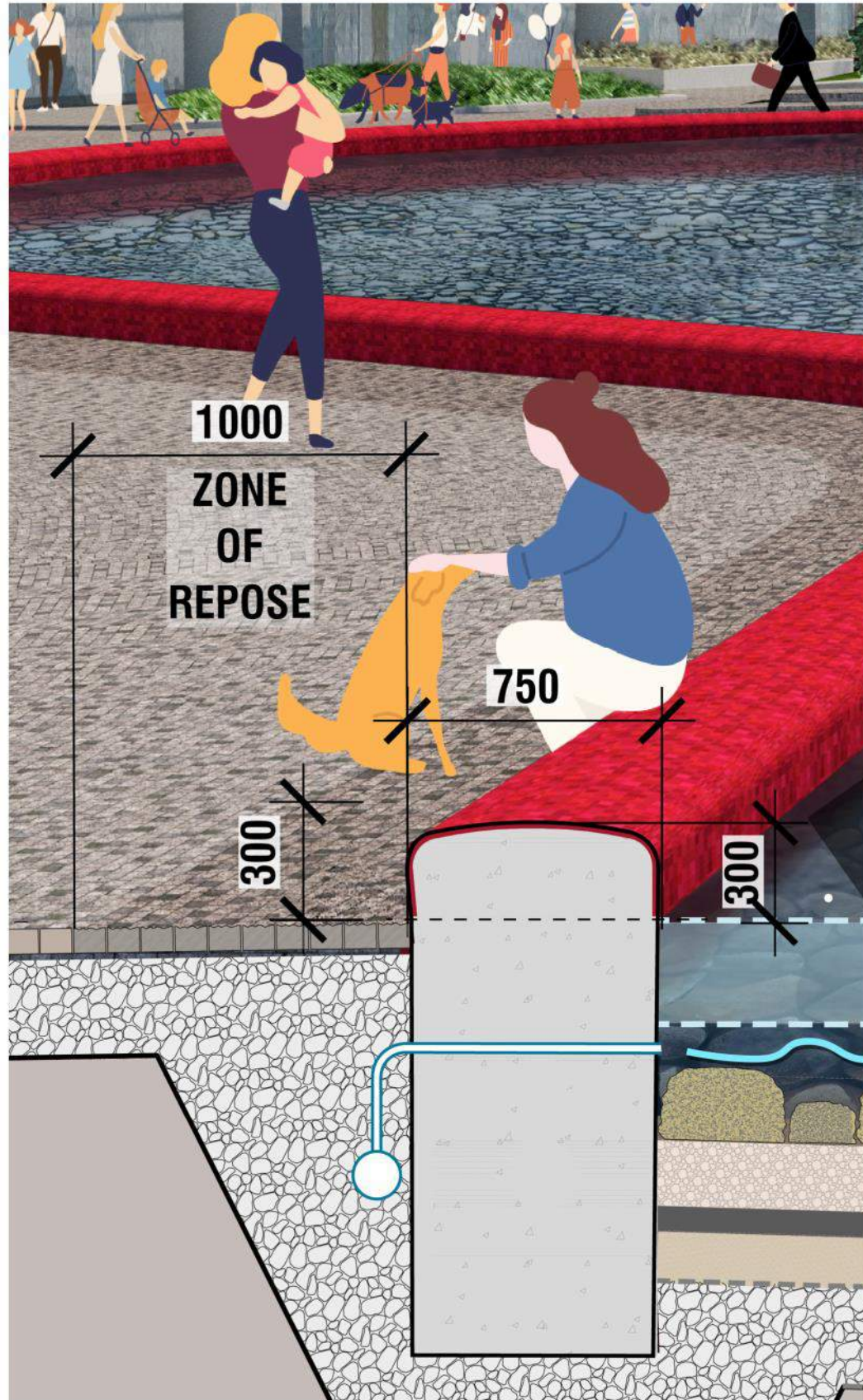


ARDEX X 77™ MICROTEC®
Fiber Reinforced Tile and Stone Mortar

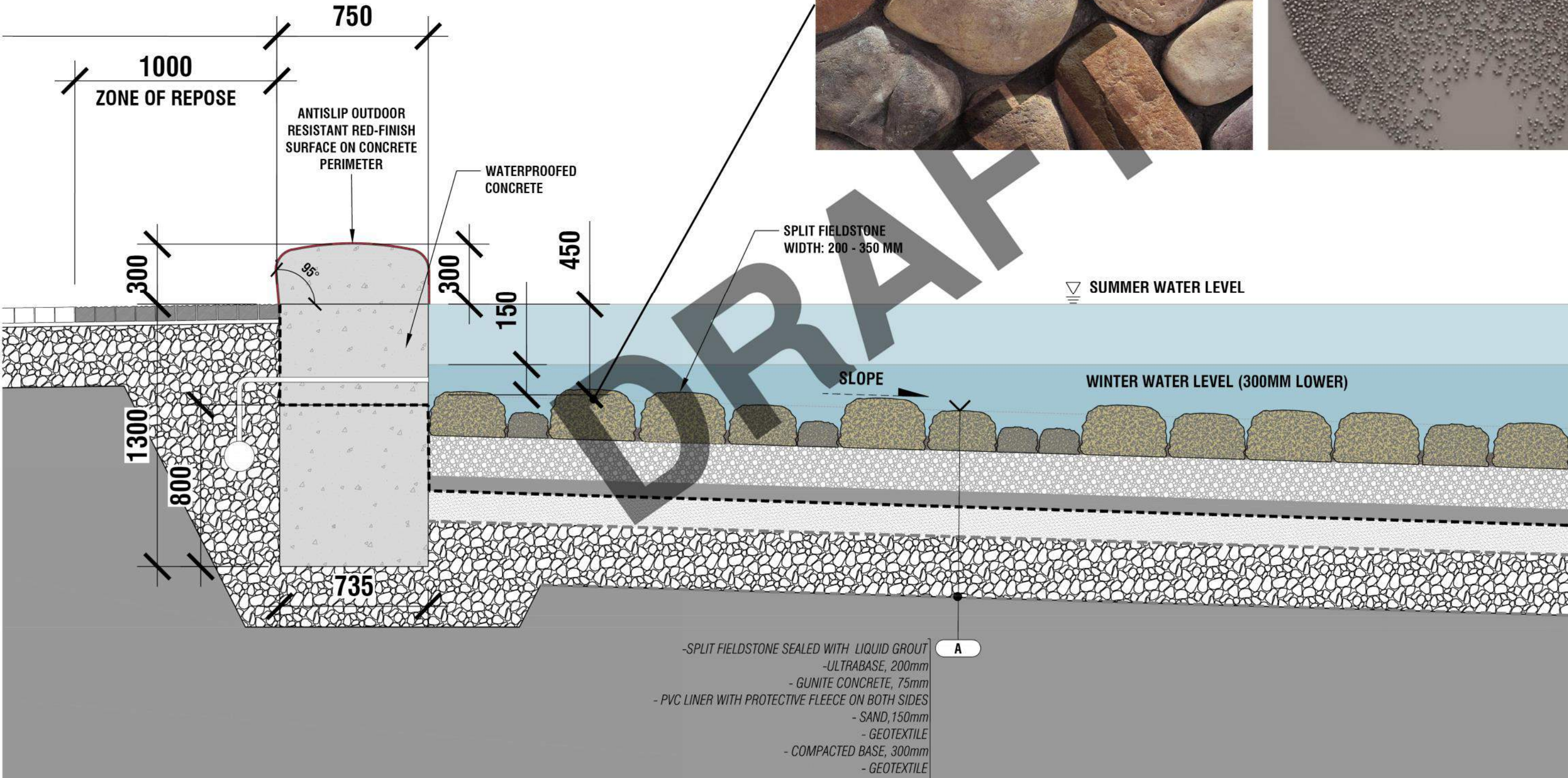
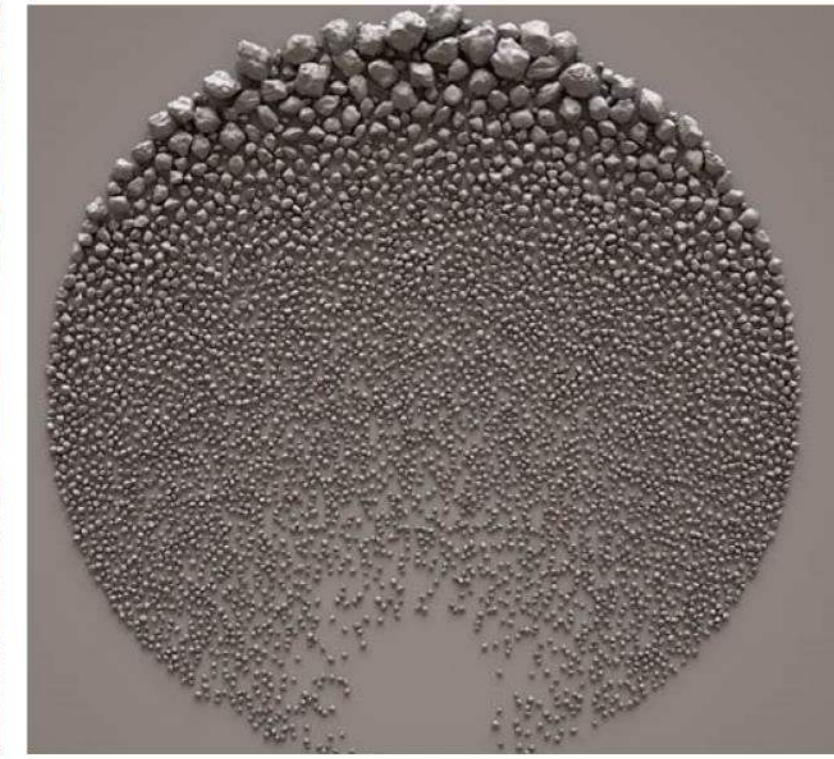
The most advanced technology ideal for large format porcelain tile installations, exterior or interior, floor or wall



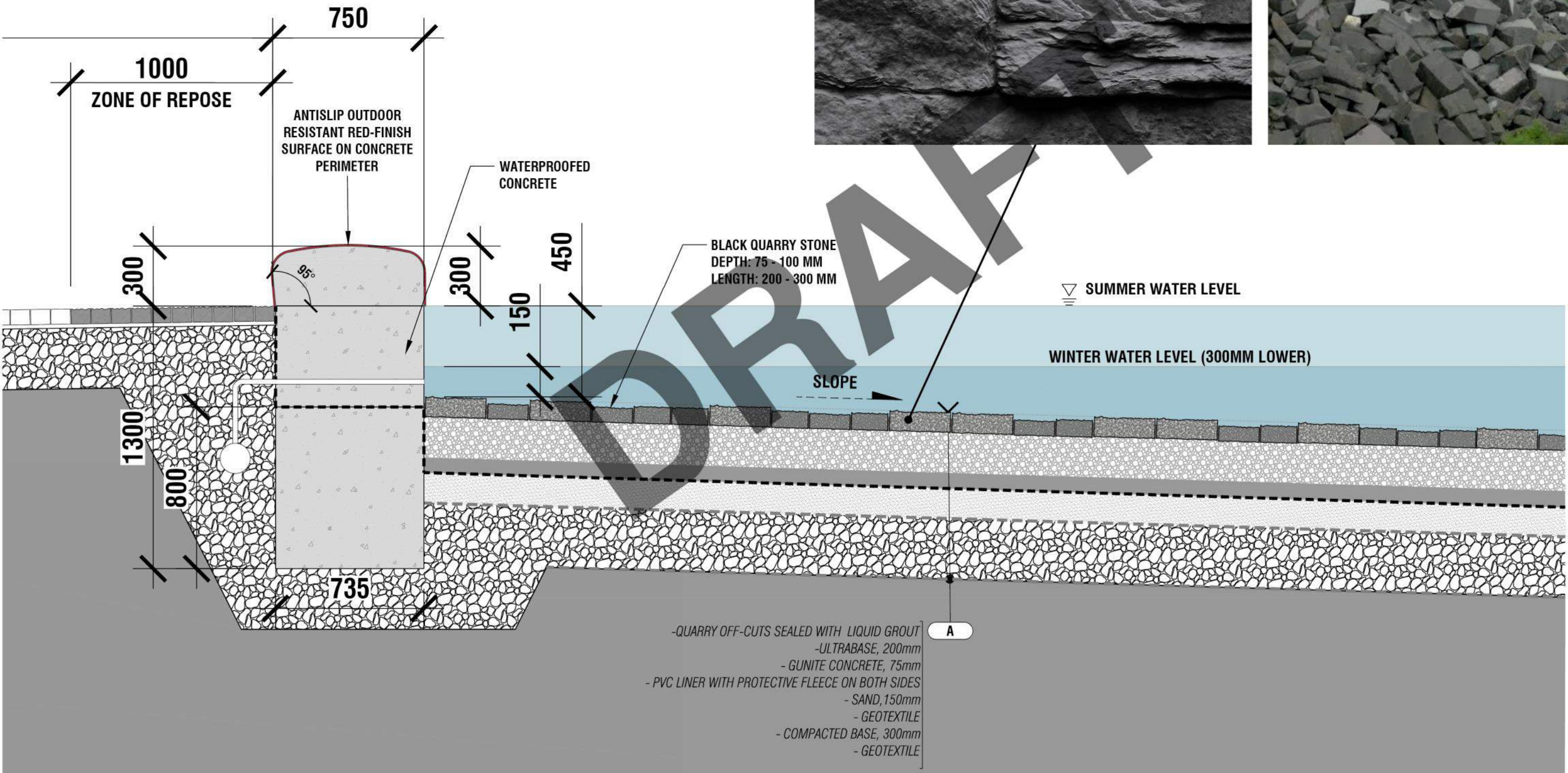
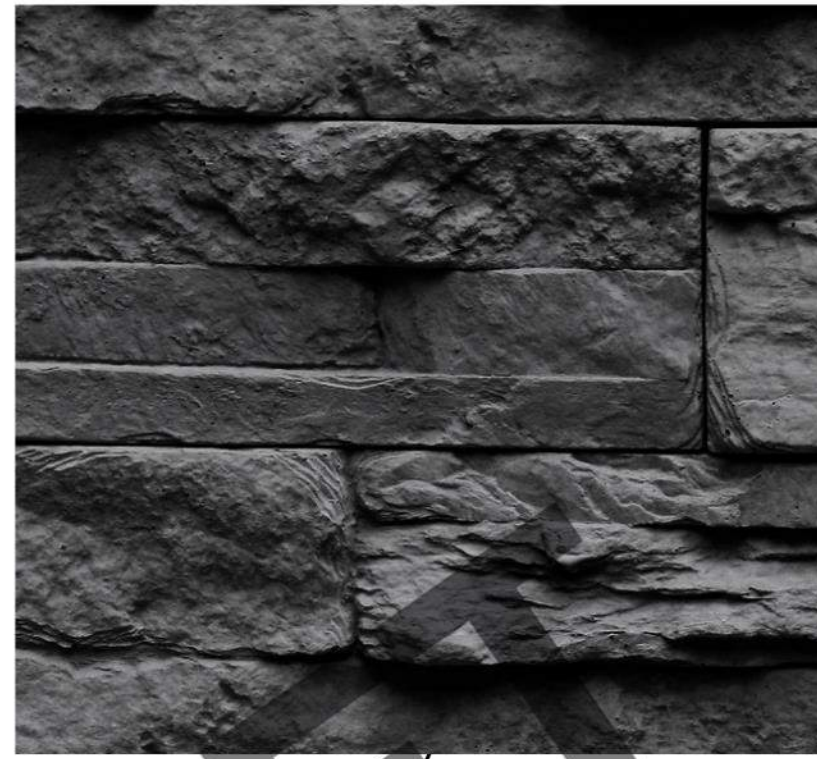
OPTIMIZED POND EDGE - ROUNDED TOP SURFACE



POND BOTTOM RIVER ROCK



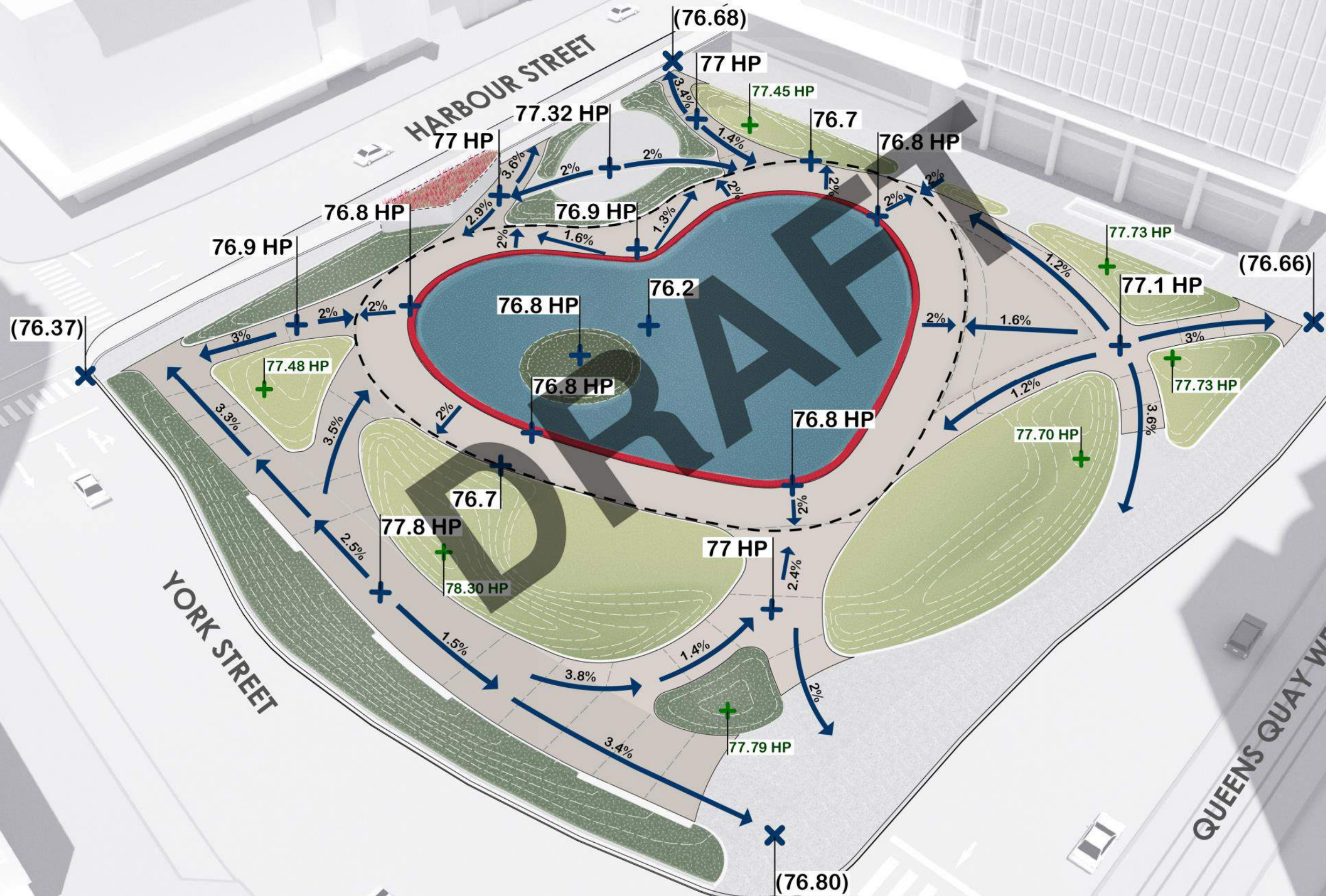
POND BOTTOM QUARRY OFF-CUTS





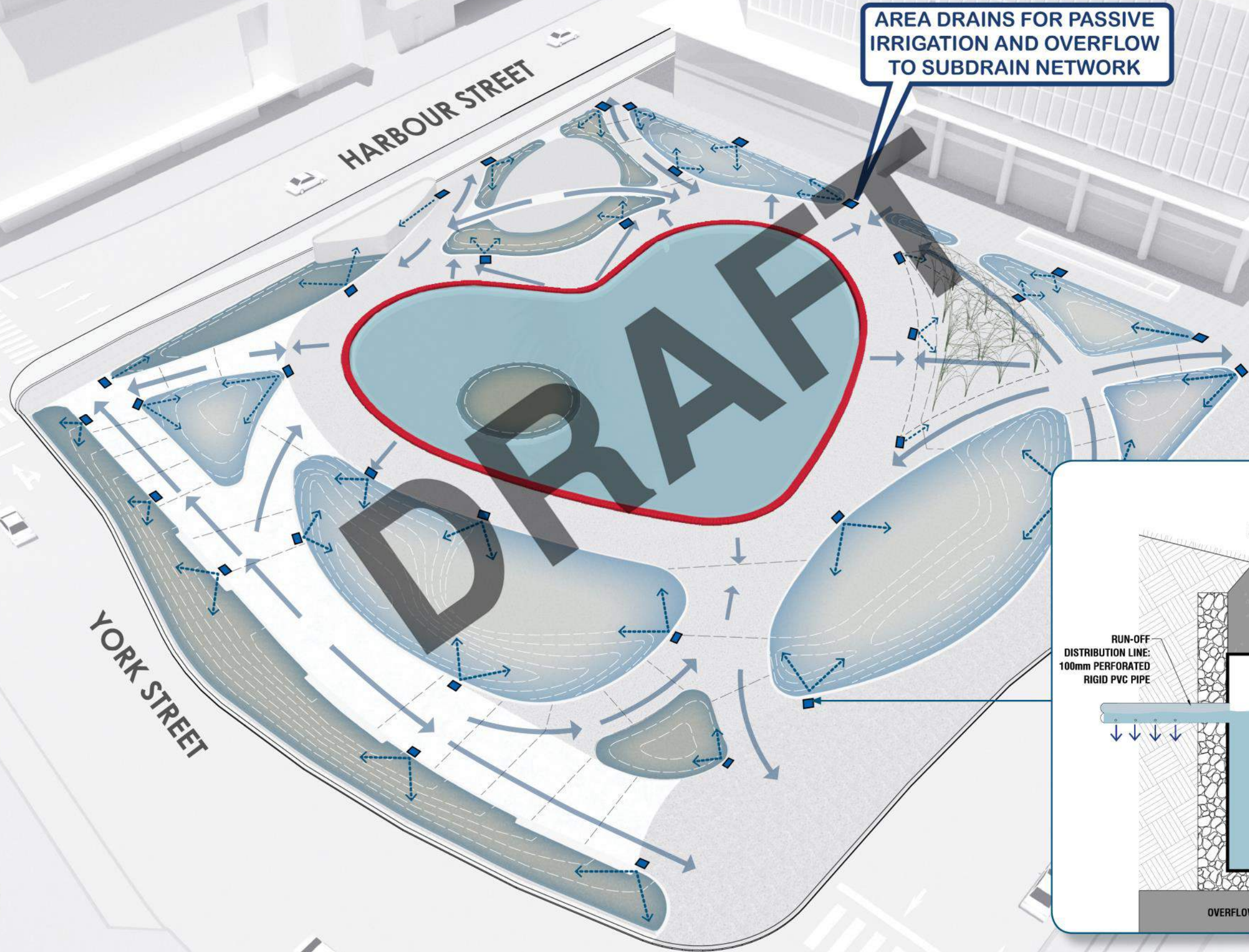
SURFACE GRADING STRATEGY

IN DEVELOPMENT WITH ARUP

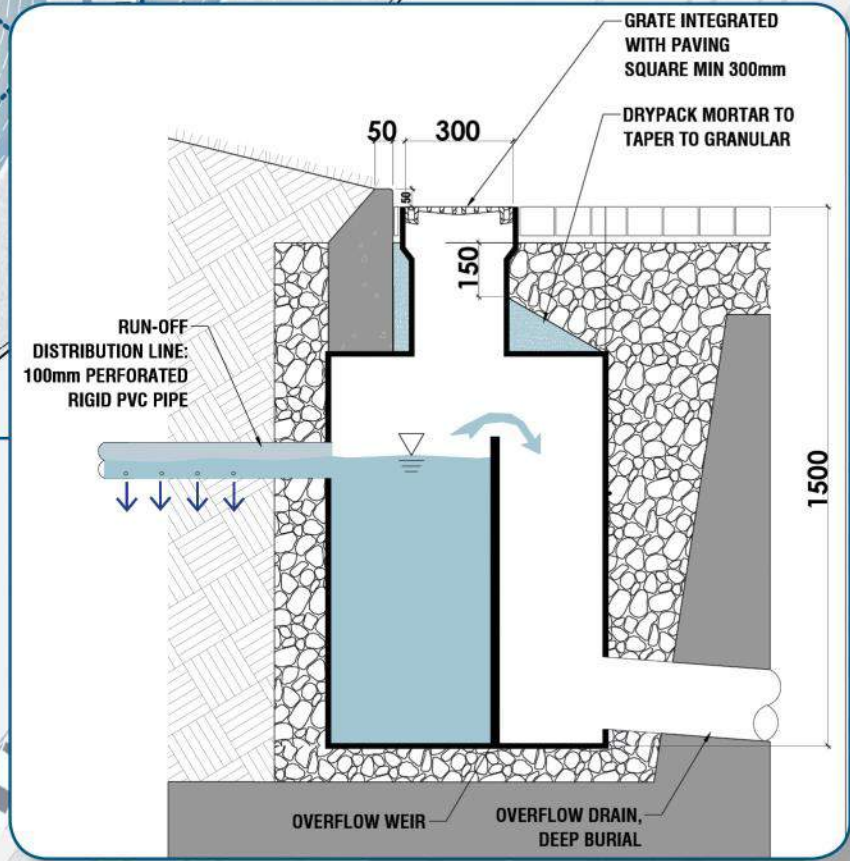


SURFACE DRAINAGE AND INFILTRATION

IN DEVELOPMENT WITH ARUP

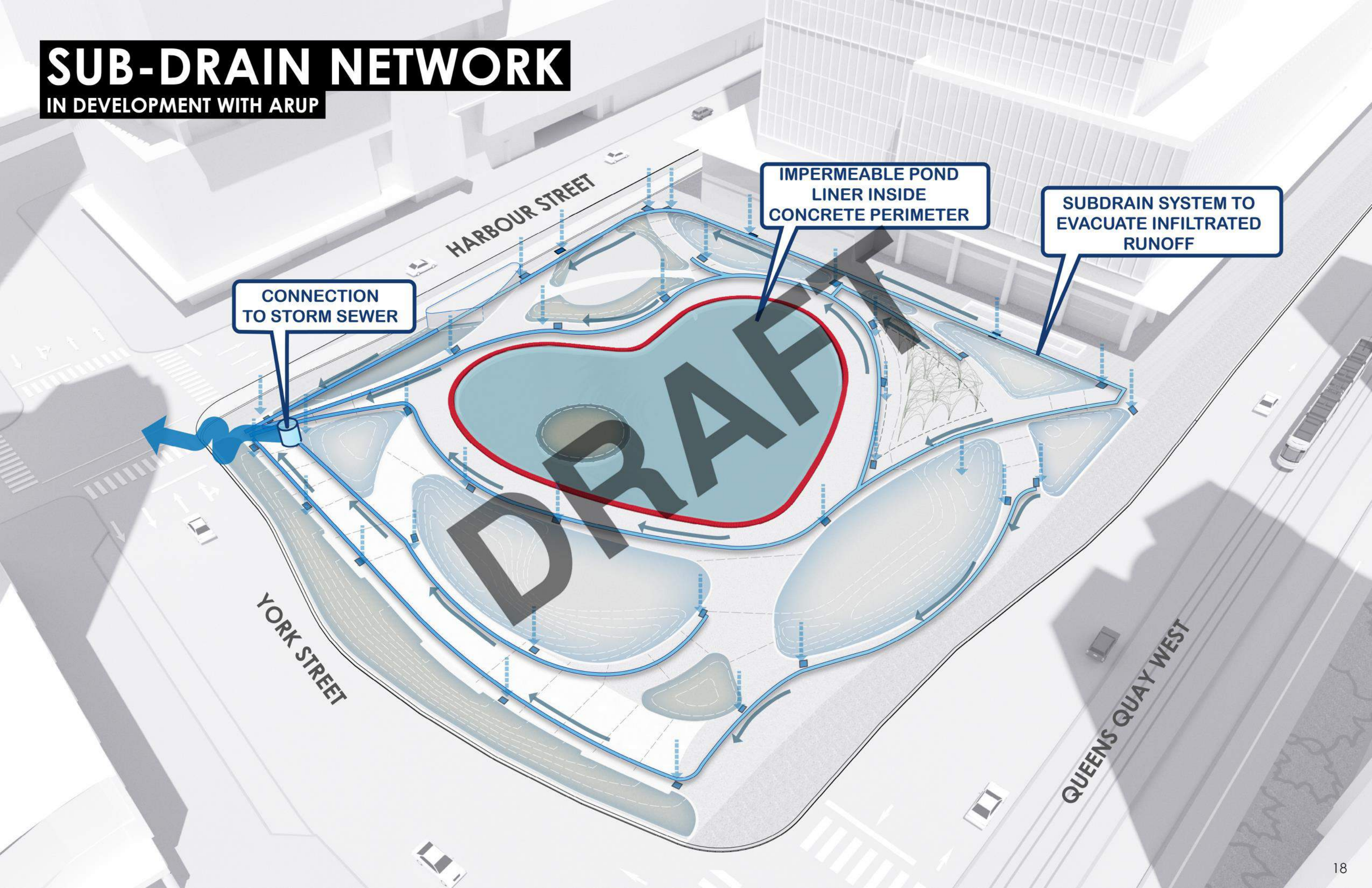


AREA DRAINS FOR PASSIVE IRRIGATION AND OVERFLOW TO SUBDRAIN NETWORK



SUB-DRAIN NETWORK

IN DEVELOPMENT WITH ARUP



CONNECTION TO STORM SEWER

IMPERMEABLE POND LINER INSIDE CONCRETE PERIMETER

SUBDRAIN SYSTEM TO EVACUATE INFILTRATED RUNOFF

YORK STREET

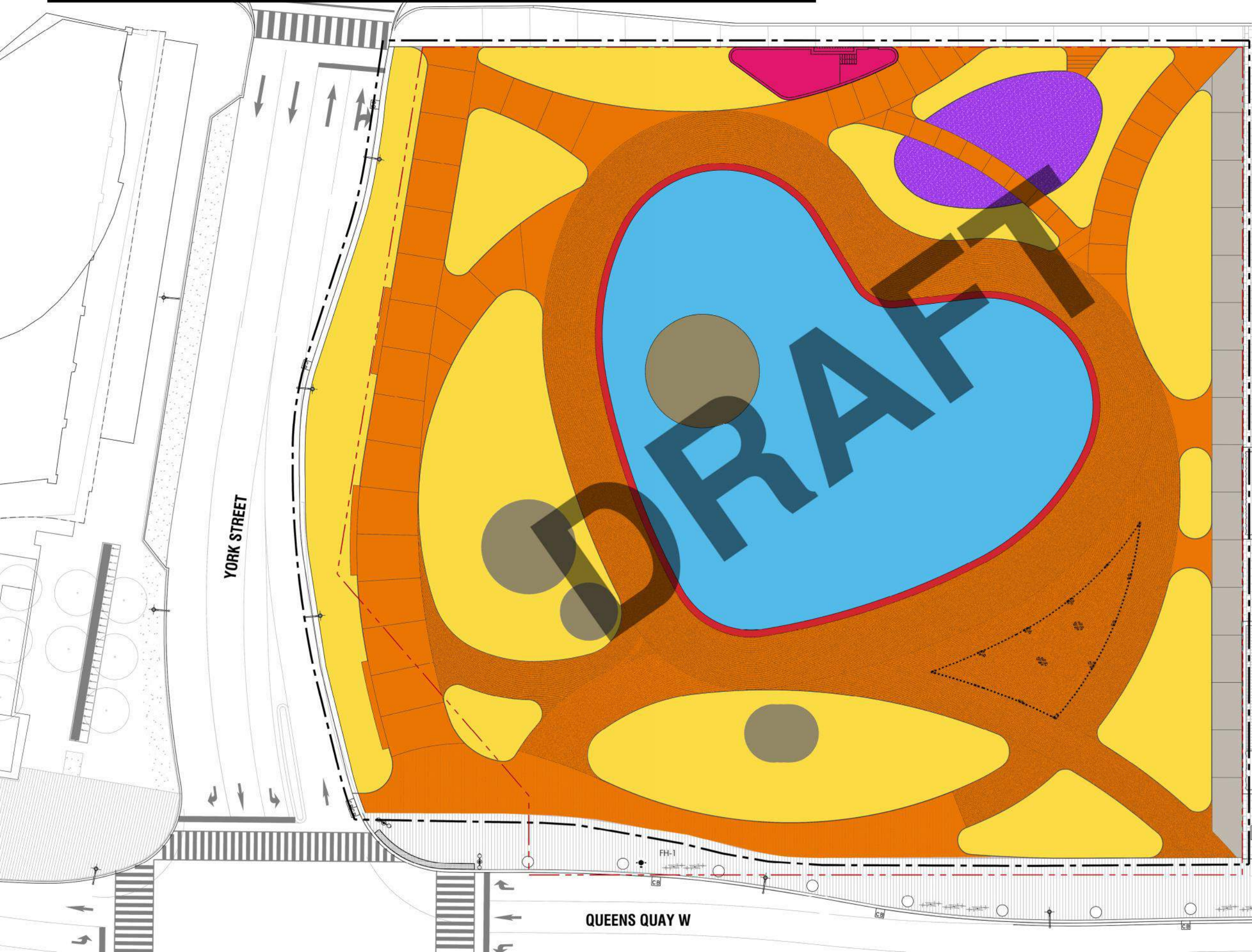
HARBOUR STREET

QUEENS QUAY WEST

DRAFT

SITE REMEDIATION/CLEAN CAP STRATEGY

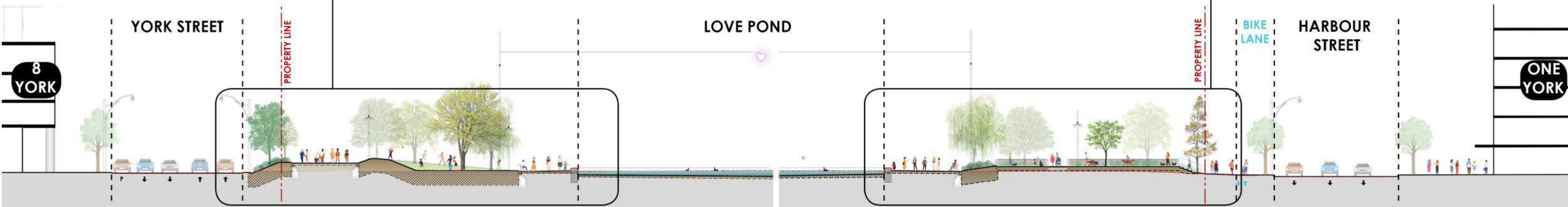
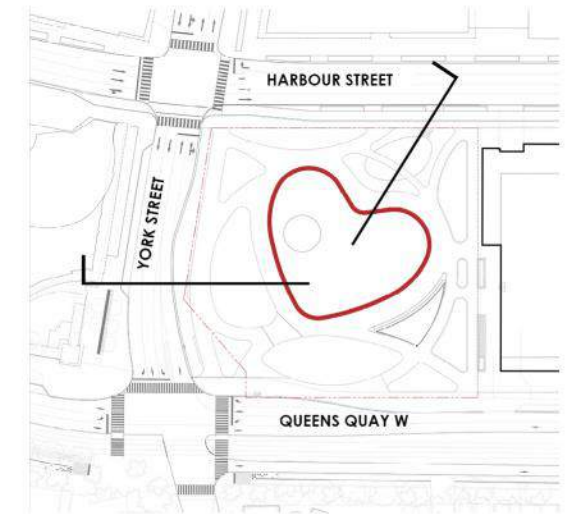
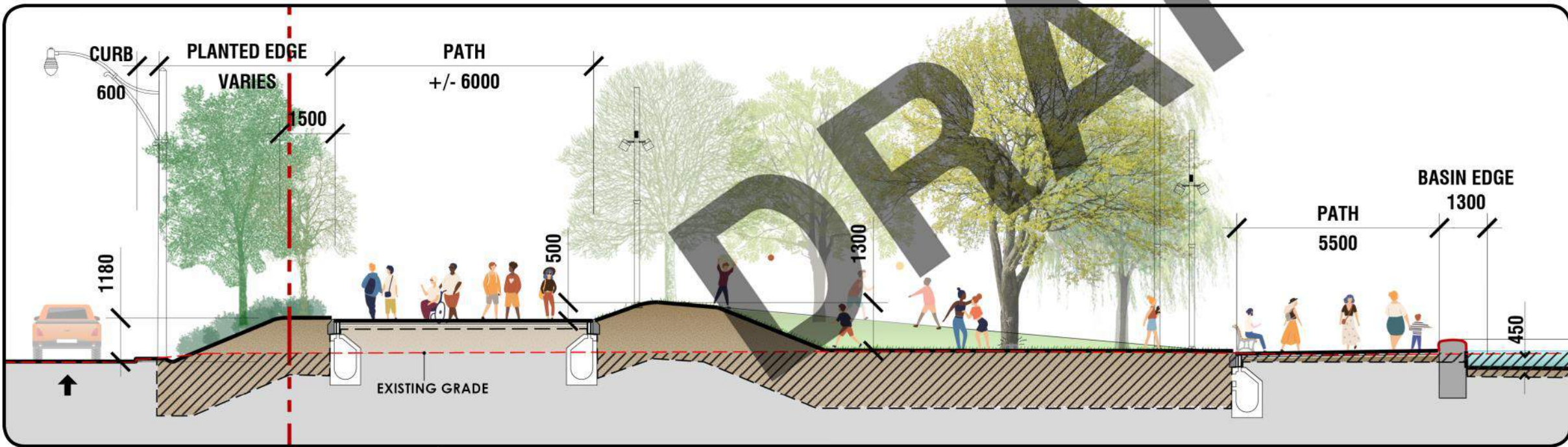
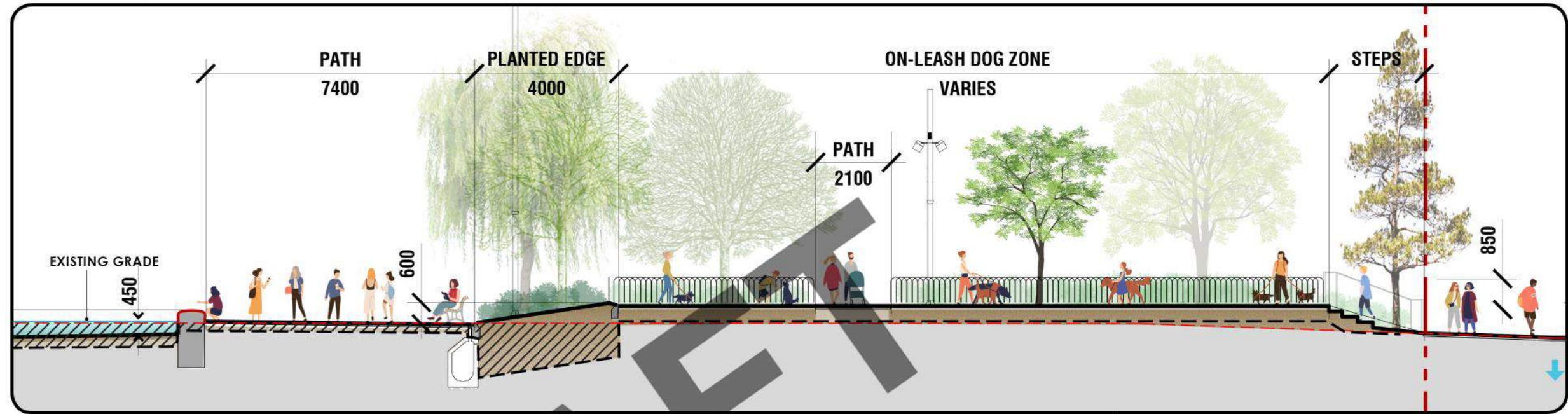
BASED ON WSP RECOMMENDATIONS AND WATERFRONT TORONTO



-  SOFTSCAPE
1.5m CAP
-  POND
225mm CAP
-  MECHANICAL ROOM
225mm CAP
+ GEOMEMBRANE + SUB-SLAB
DEPRESSURIZATION SYSTEM
-  PAVING/PAVERS
225mm CAP
-  AGGREGATE PAVING
500mm CAP
+ WARNING BARRIER
-  EXISTING TREES
100mm CAP
+ THICK NON-WOVEN GEOTEXTILE
BENEATH CAPPING SOIL

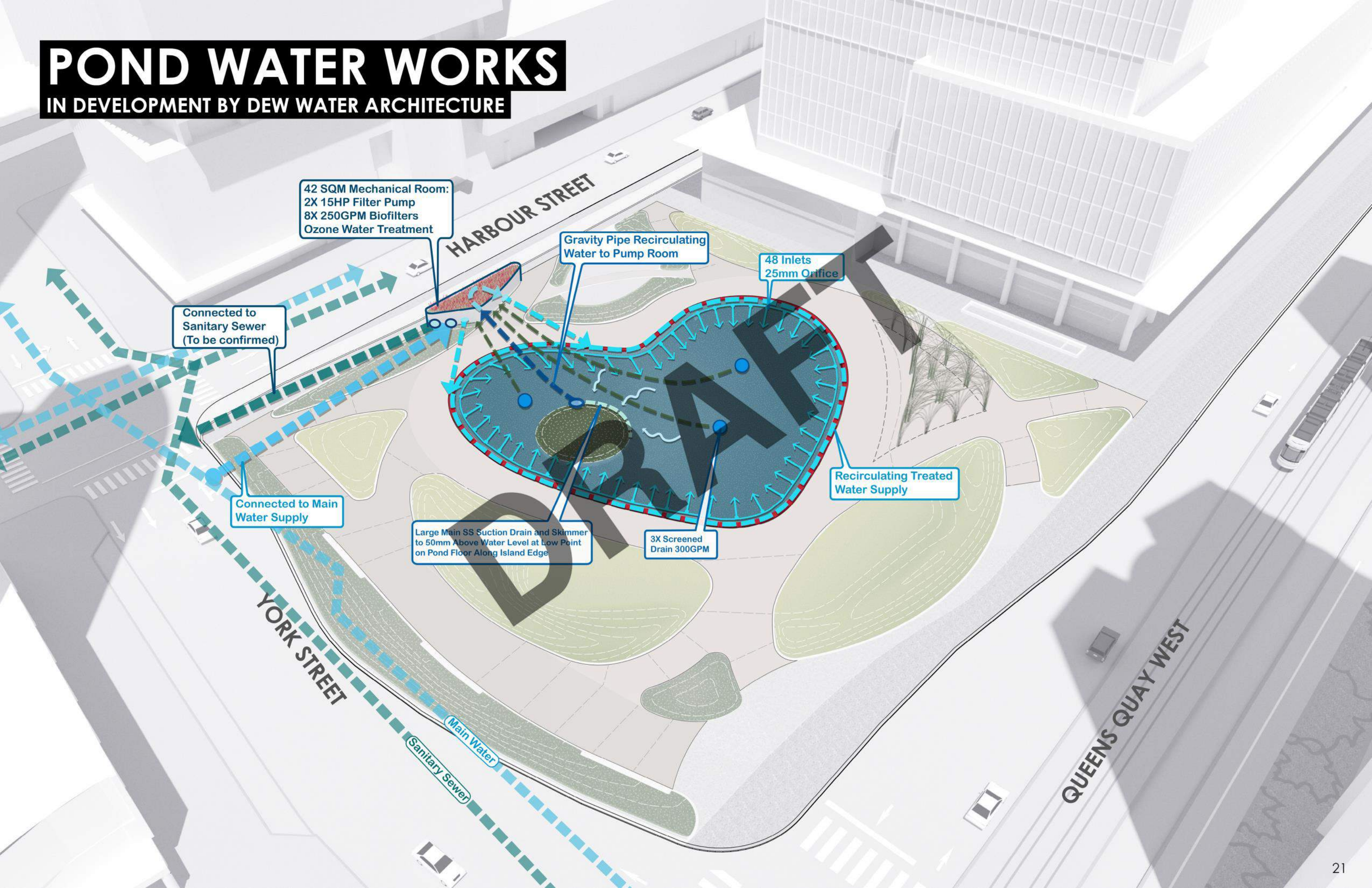
SITE REMEDIATION/CLEAN CAP STRATEGY

BASED ON WSP RECOMMENDATIONS



POND WATER WORKS

IN DEVELOPMENT BY DEW WATER ARCHITECTURE



42 SQM Mechanical Room:
2X 15HP Filter Pump
8X 250GPM Biofilters
Ozone Water Treatment

HARBOUR STREET

Gravity Pipe Recirculating
Water to Pump Room

48 Inlets
25mm Orifice

Connected to
Sanitary Sewer
(To be confirmed)

Connected to Main
Water Supply

Recirculating Treated
Water Supply

Large Main SS Suction Drain and Skimmer
to 50mm Above Water Level at Low Point
on Pond Floor Along Island Edge

3X Screened
Drain 300GPM

YORK STREET

QUEENS QUAY WEST

Main Water

Sanitary Sewer

POND WATER WORKS

IN DEVELOPMENT BY DEW WATER ARCHITECTURE

HARBOUR STREET

EQUIPMENT ROOM IN
BASEMENT BELOW

SKIMMER SCREEN
& DRAIN 700GPM

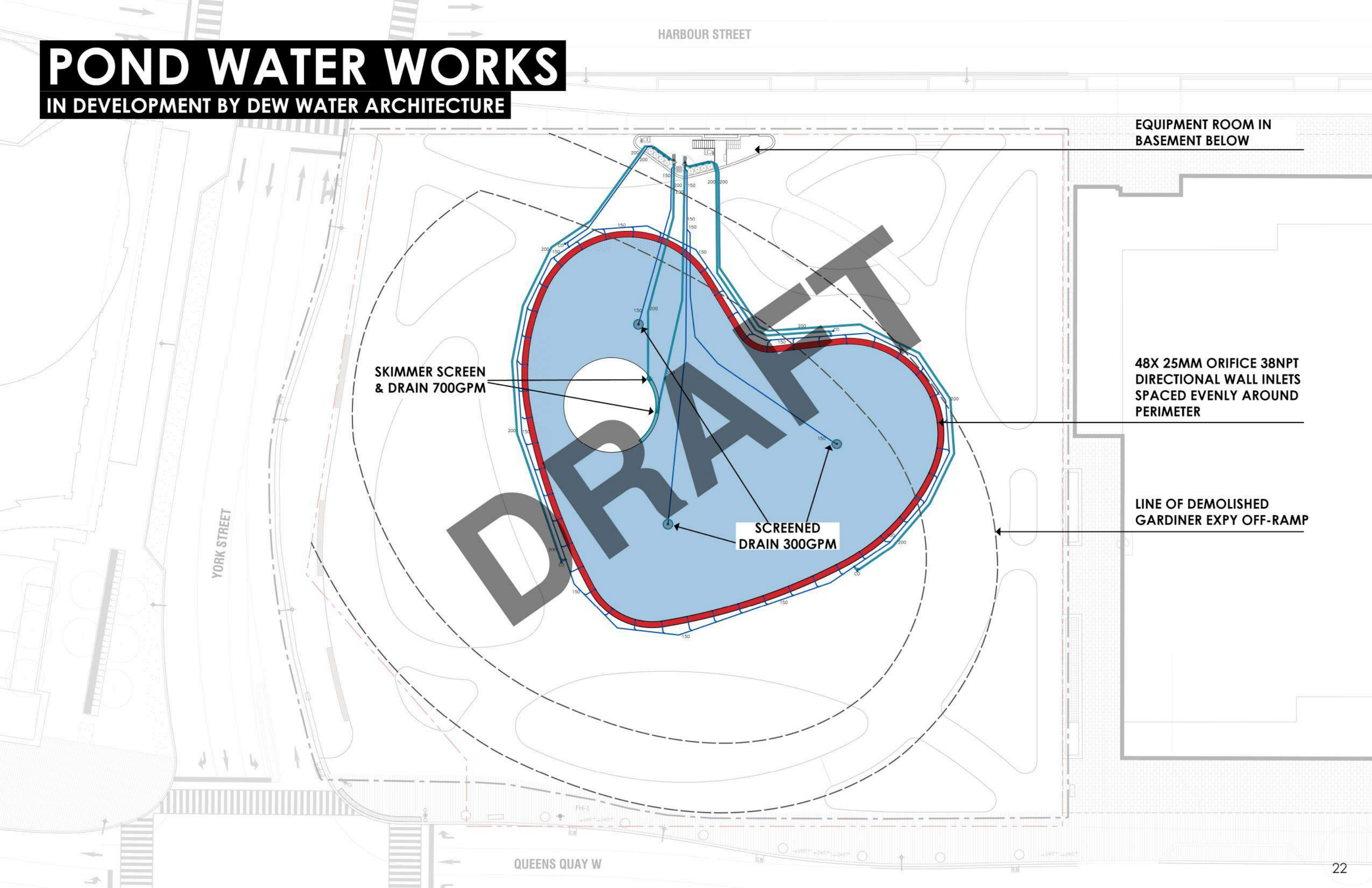
SCREENED
DRAIN 300GPM

48X 25MM ORIFICE 38NPT
DIRECTIONAL WALL INLETS
SPACED EVENLY AROUND
PERIMETER

LINE OF DEMOLISHED
GARDINER EXPY OFF-RAMP

YORK STREET

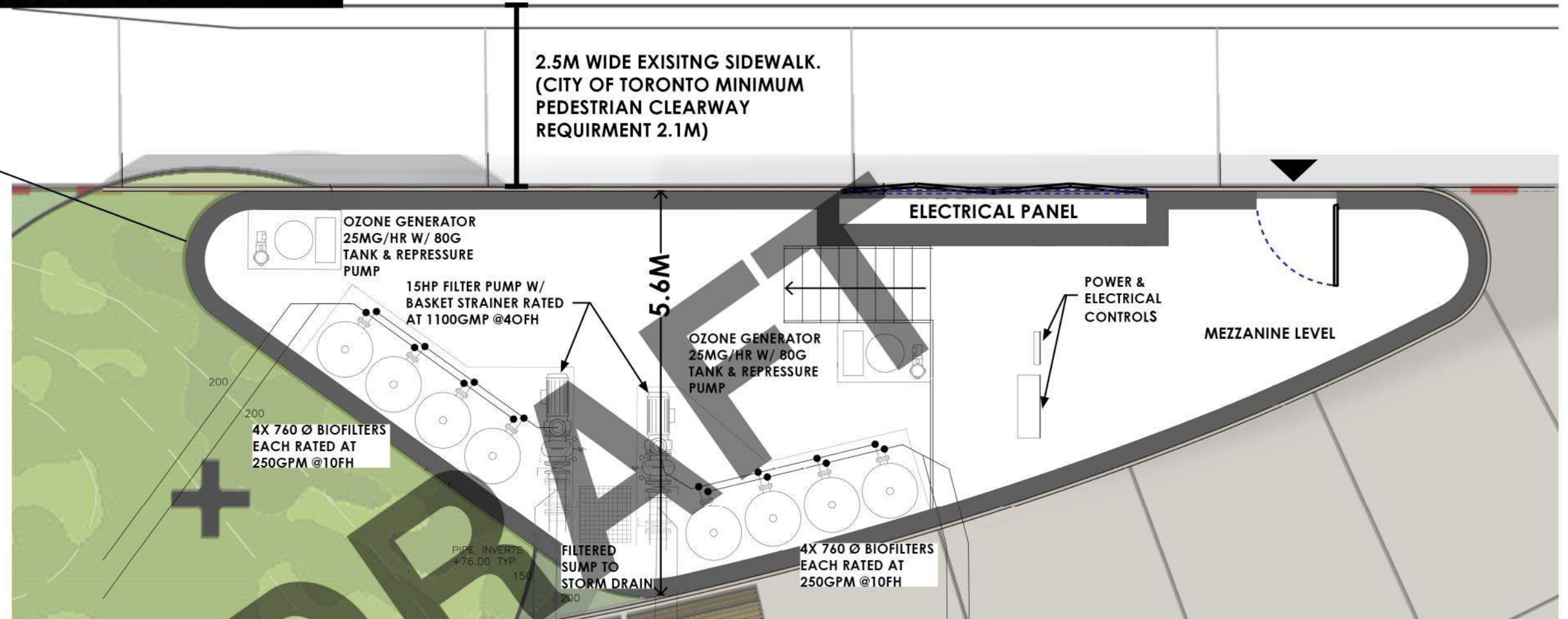
QUEENS QUAY W



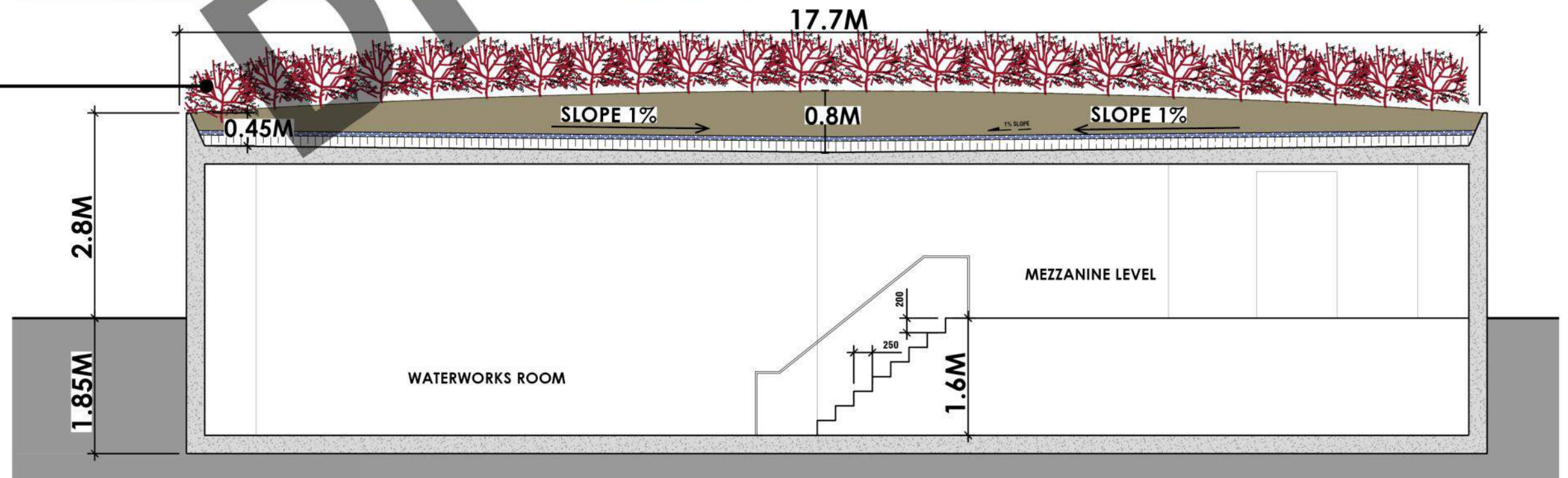
MECHANICAL ROOM

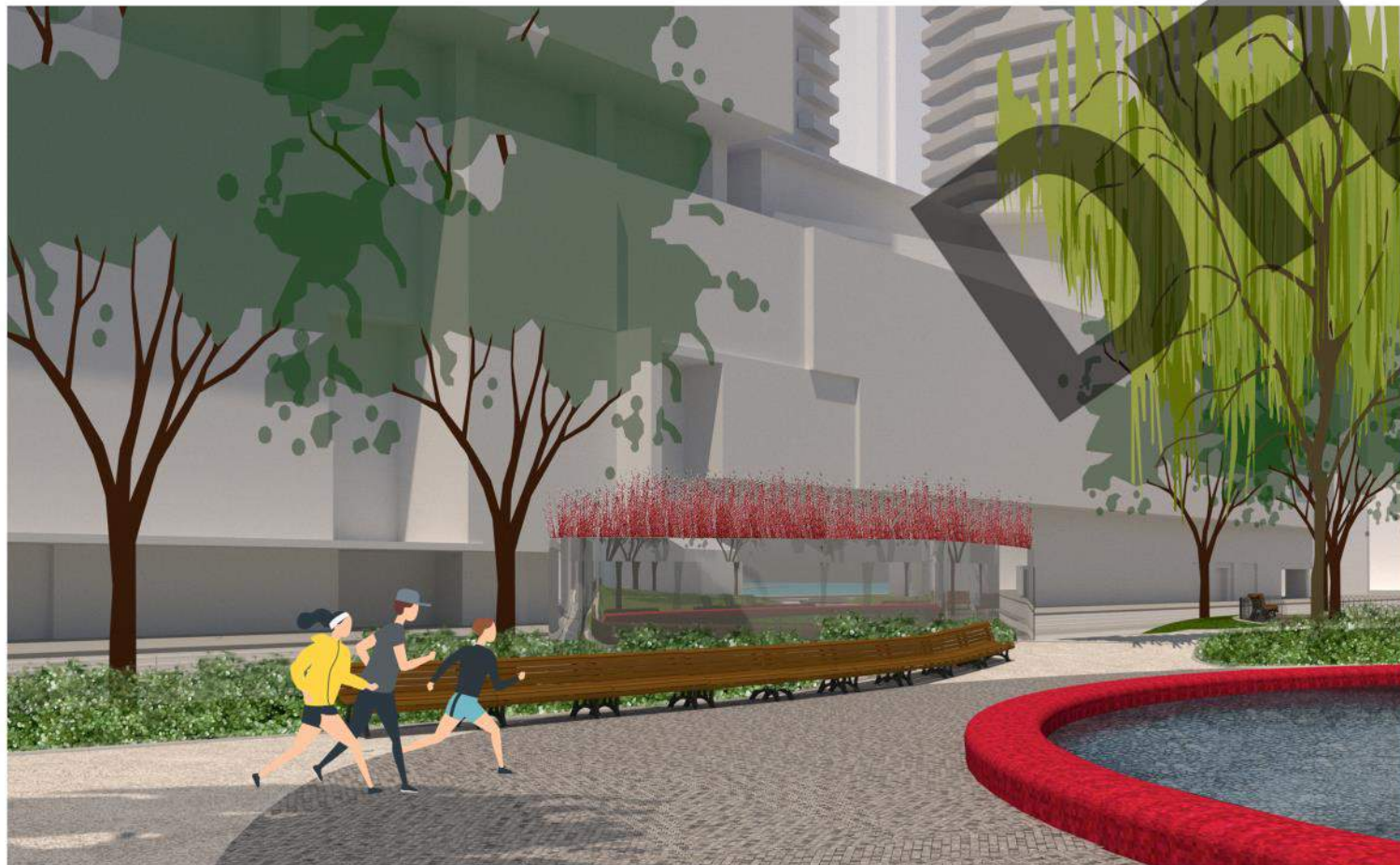
IN DEVELOPMENT WITH DEW WATER ARCHITECTURE

HARBOUR STREET



Cornus Sericea 'red osier dogwood'

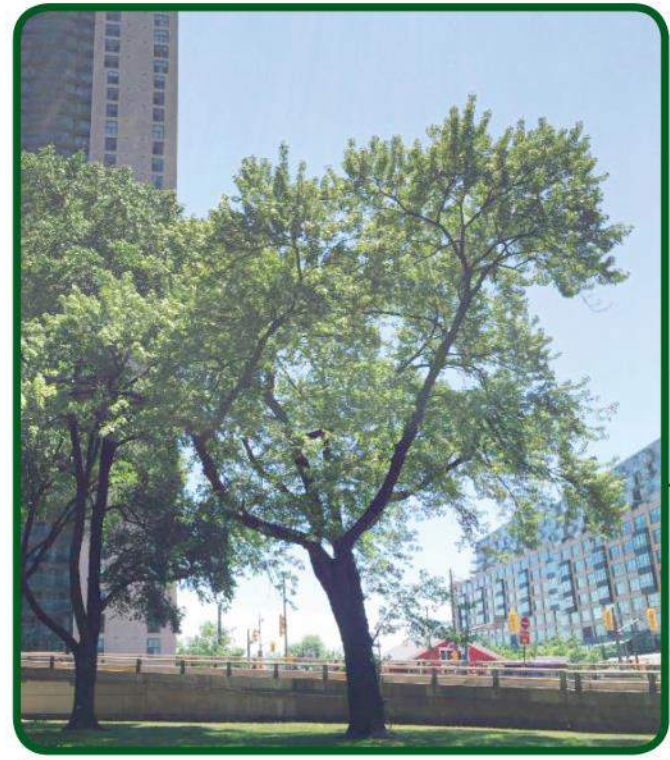




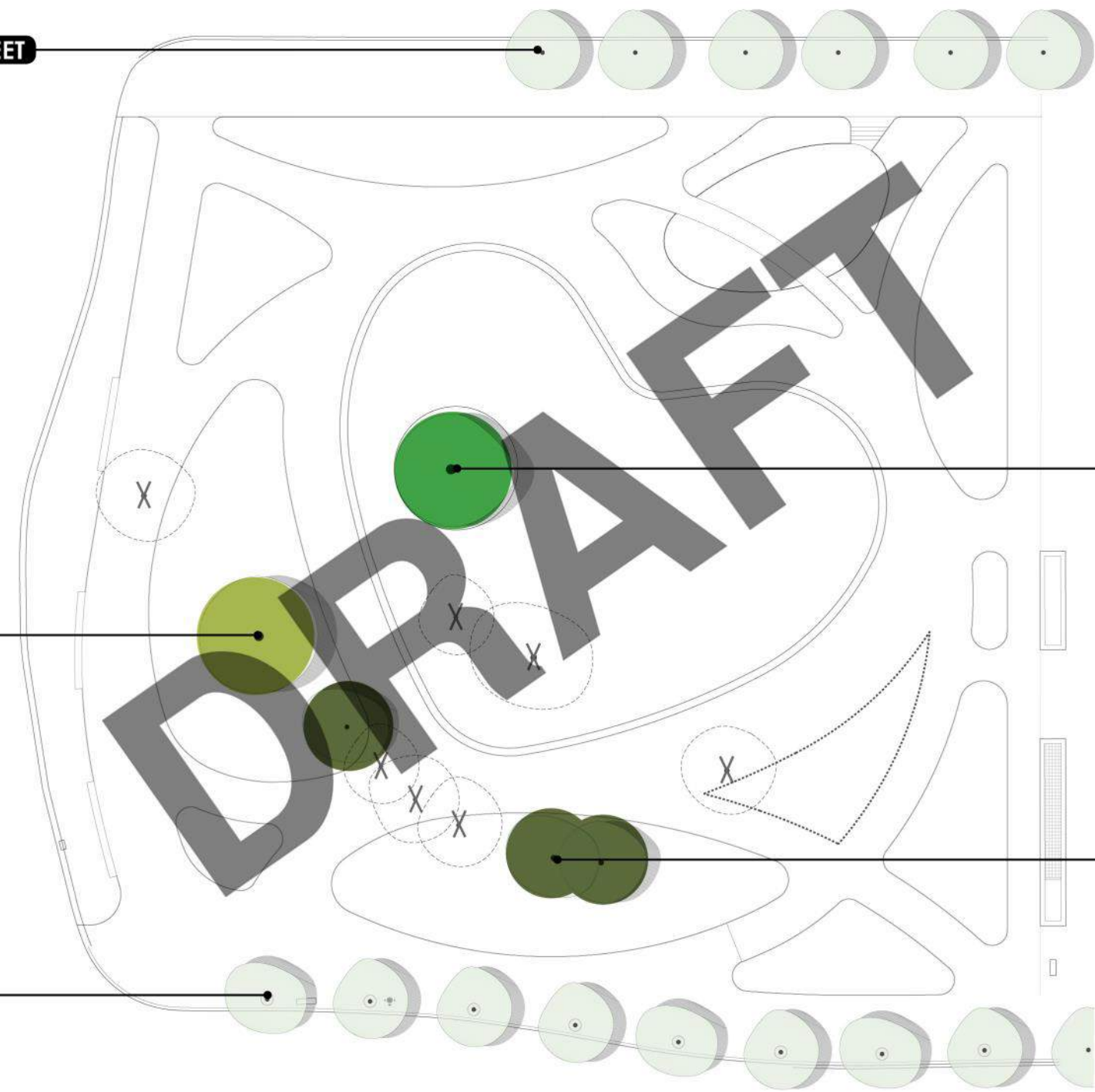
BERCZY PARK, BY CLAUDE CORMIER ET ASSOCIÉS

EXISTING TREES TO REMAIN

ELM TREES ON HARBOUR STREET



SILVER MAPLE (1 EXISTING)



CATALPA (1 EXISTING)

FREEMAN MAPLES ON QUEENS QUAY



CHINESE ELM (3 EXISTING)

38 NEW TREES

REDMOND LINDEN
NATIVE/CULTIVAR
HARDY
(7X)



BLACK WALNUT
NATIVE/CULTIVAR
HARDY
(3X)



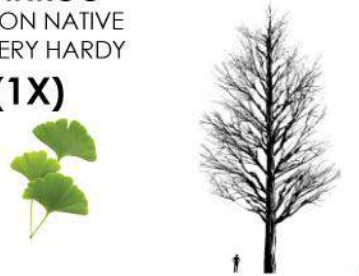
**GOLDEN WEeping
WILLOW TREE**
NON NATIVE
MODERATE
(4X)




DAWN REDWOOD
INTRODUCED
MODERATE
(3X)



GINKGO
NON NATIVE
VERY HARDY
(1X)



**AMERICAN ELM
'PRINCETON'**
NATIVE/CULTIVAR
HARDY
(7X)



SILVER MAPLE
NATIVE
VERY HARDY
(13X)



SHRUB COVER LAYOUT

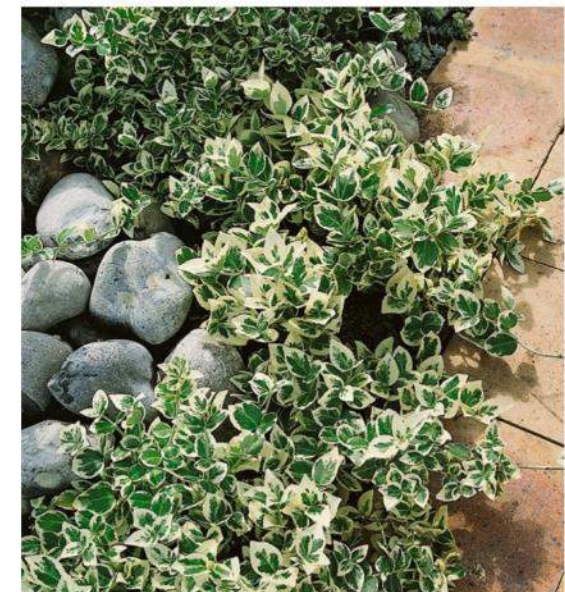
Cornus Sericea 'red osier dogwood'



Euonymus fortunei 'Coloratus' 70%



Euonymus fortunei 'Emerald Gaiety' 30%



Rhus aromatica (Fragrant Sumach)



Hydrangea arborescens 'Annabelle'



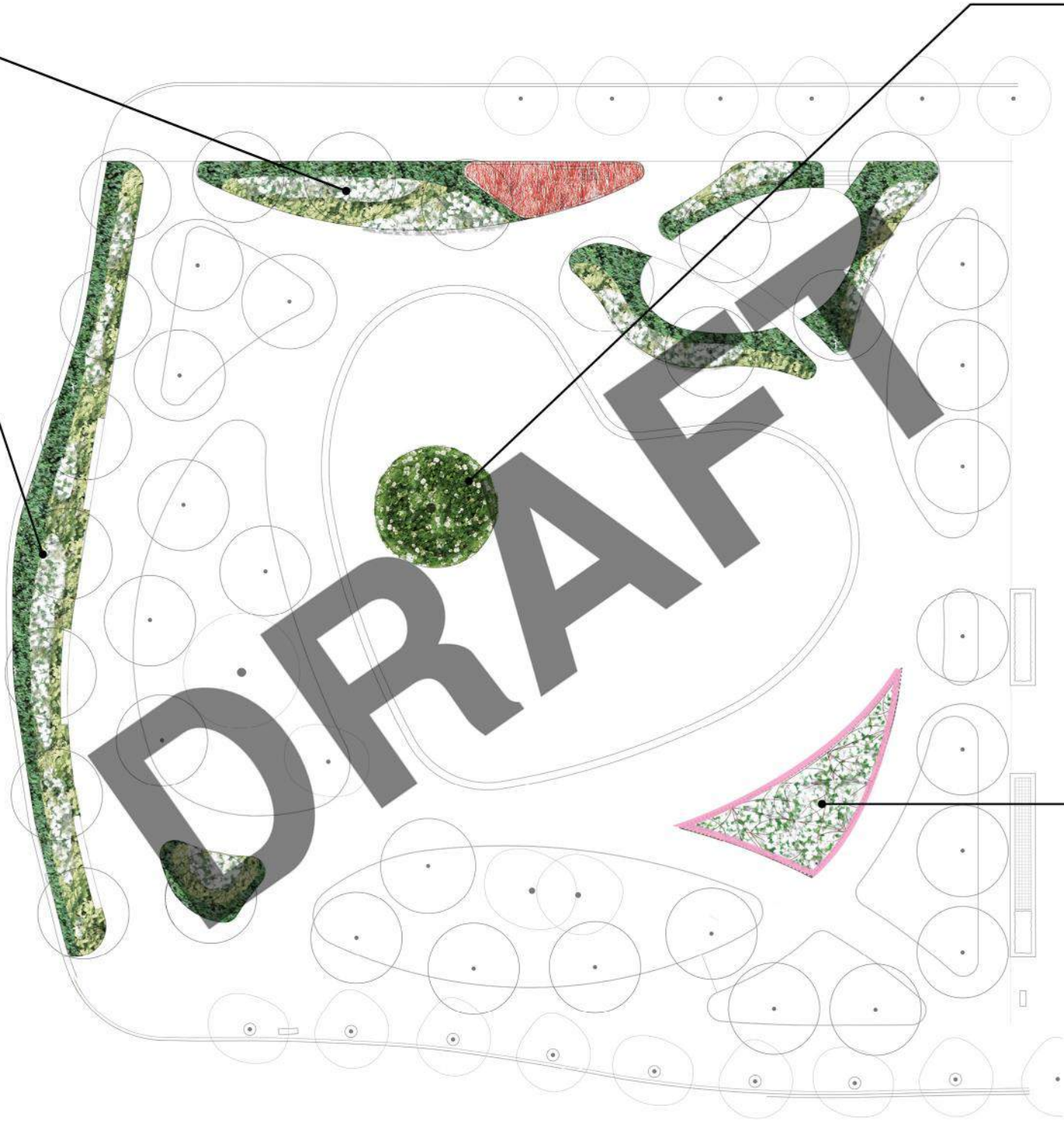
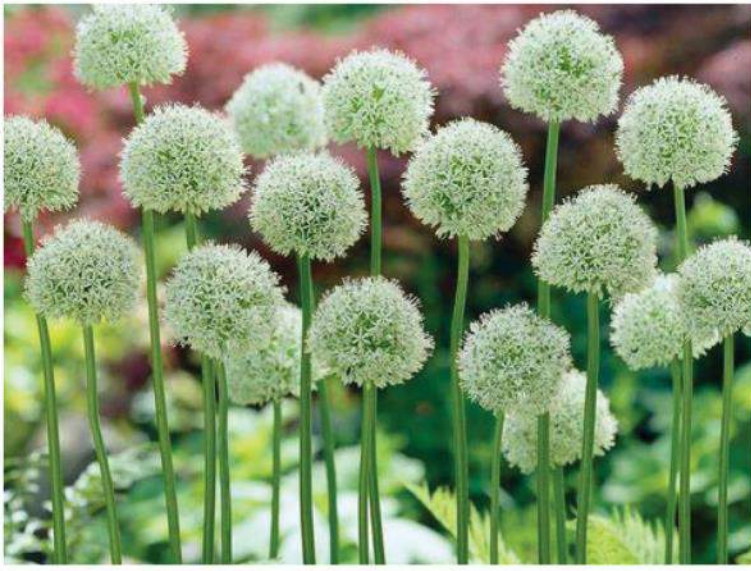
ACCENT PLANTING

SHRUB ACCENT

White Daffodils
(Precedent/Isabella Gardner Museum - MVVA)



Allium (Garlic) 'White Giant'



CATALPA ISLAND

Trifolium (White Clover)



PAVILION

Frutescens alba (White American Wisteria)
OR - Wisteria sinensis 'Alba'
(White Chinese Wisteria)



HARD SURFACES

HARBOUR STREET

YORK STREET

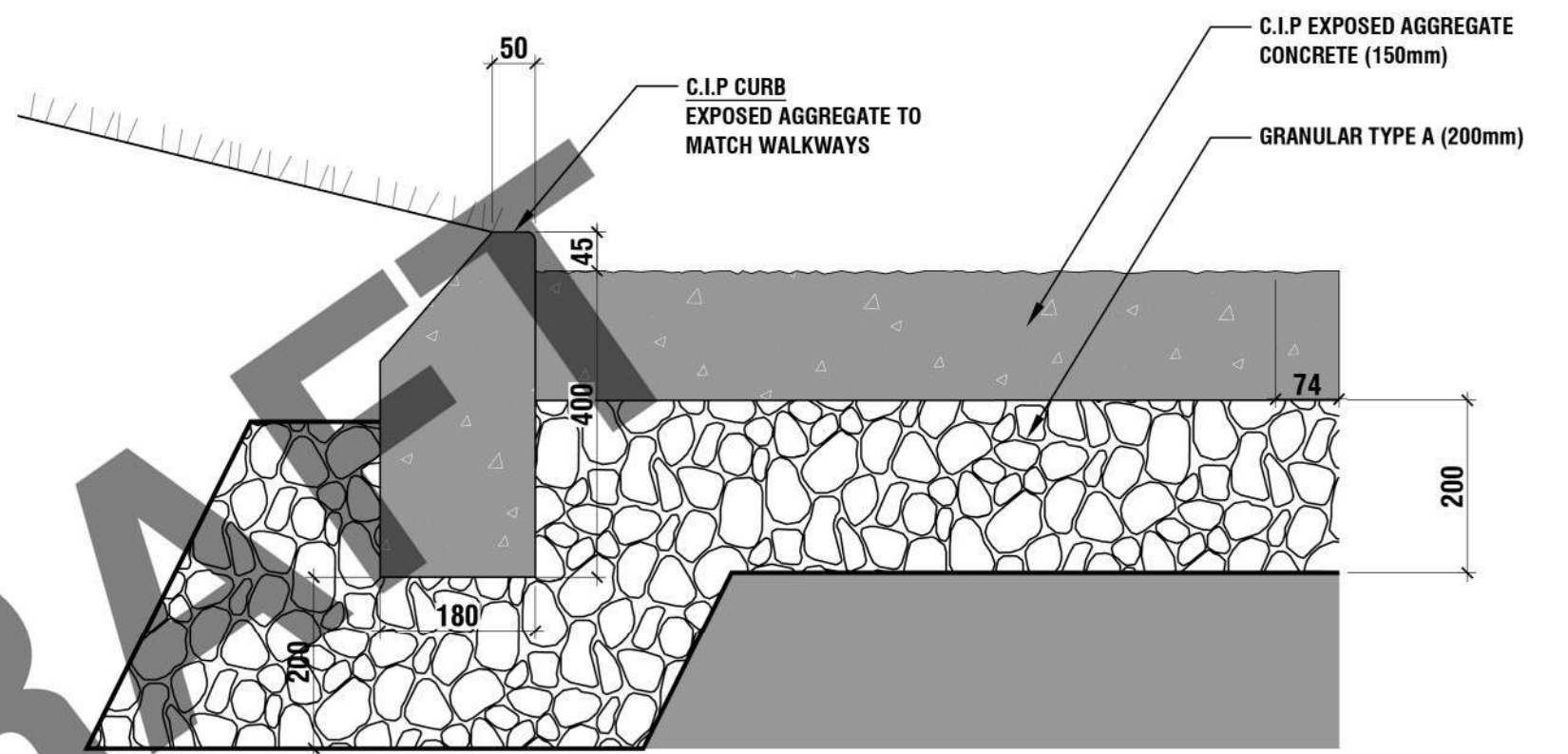
QUEENS QUAY W

DRAFT

- DOG ZONE PEA GRAVEL
- CIP CONCRETE WITH EXPOSED CALEDONIA GRANITE AGGREGATE
- GRANITE PAVERS 96X96X80 CALEDONIA GRANITE (CANADIAN) 3 FINISHES
- GRANITE PAVERS 96X96X80 'ZONE OF REPOSE' AROUND POND EDGE SPLIT-FACE FINISH
- CIP CONCRETE TO MATCH EXISTING
- POND EDGE RED GLASS TILE FINISH OVER CIP CONCRETE 15X15X6 (MM) BYZANTINE SMALTI TILES
- GRANITE PAVERS 96X96X80 'ZONE OF REPOSE' UNDER PAVILION WATERJET FINISH
- CUT EXISTING SIDEWALK TO BE A 600MM WIDE EDGE
- EXISTING CONCRETE WALKWAY
- GRANITE PAVERS (RED CANADIAN) TO MATCH EXISTING QUEENS QUAY SAWCUT WATERJET FINISH



EXPOSED AGGREGATE CIP CONCRETE PATHS



EXPOSED AGGREGATE CIP CONCRETE

**PRECEDENT / BY CLAUDE CORMIER + ASSOCIÉS,
NATIONAL HOLOCAUST MONUMENT, OTTAWA**

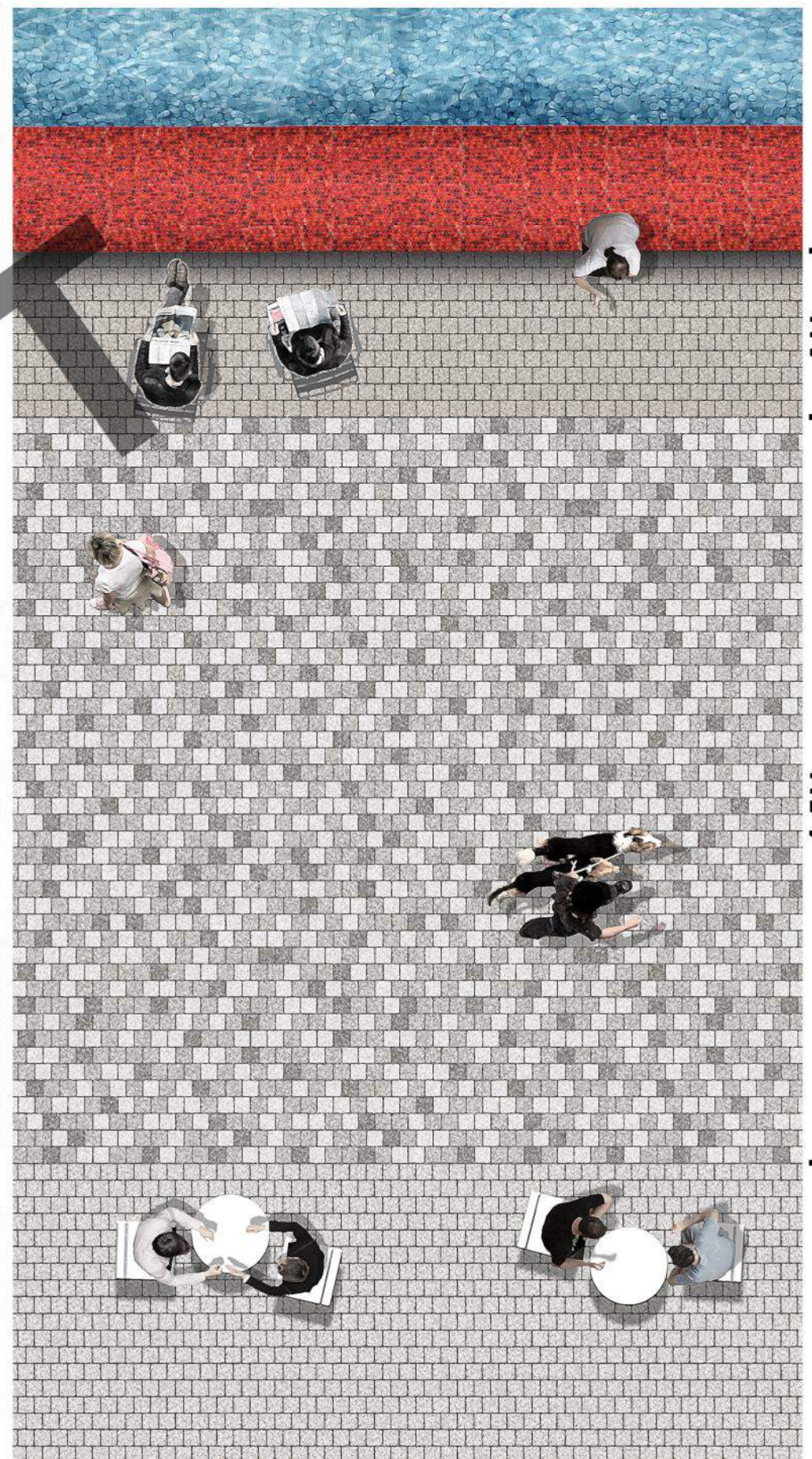
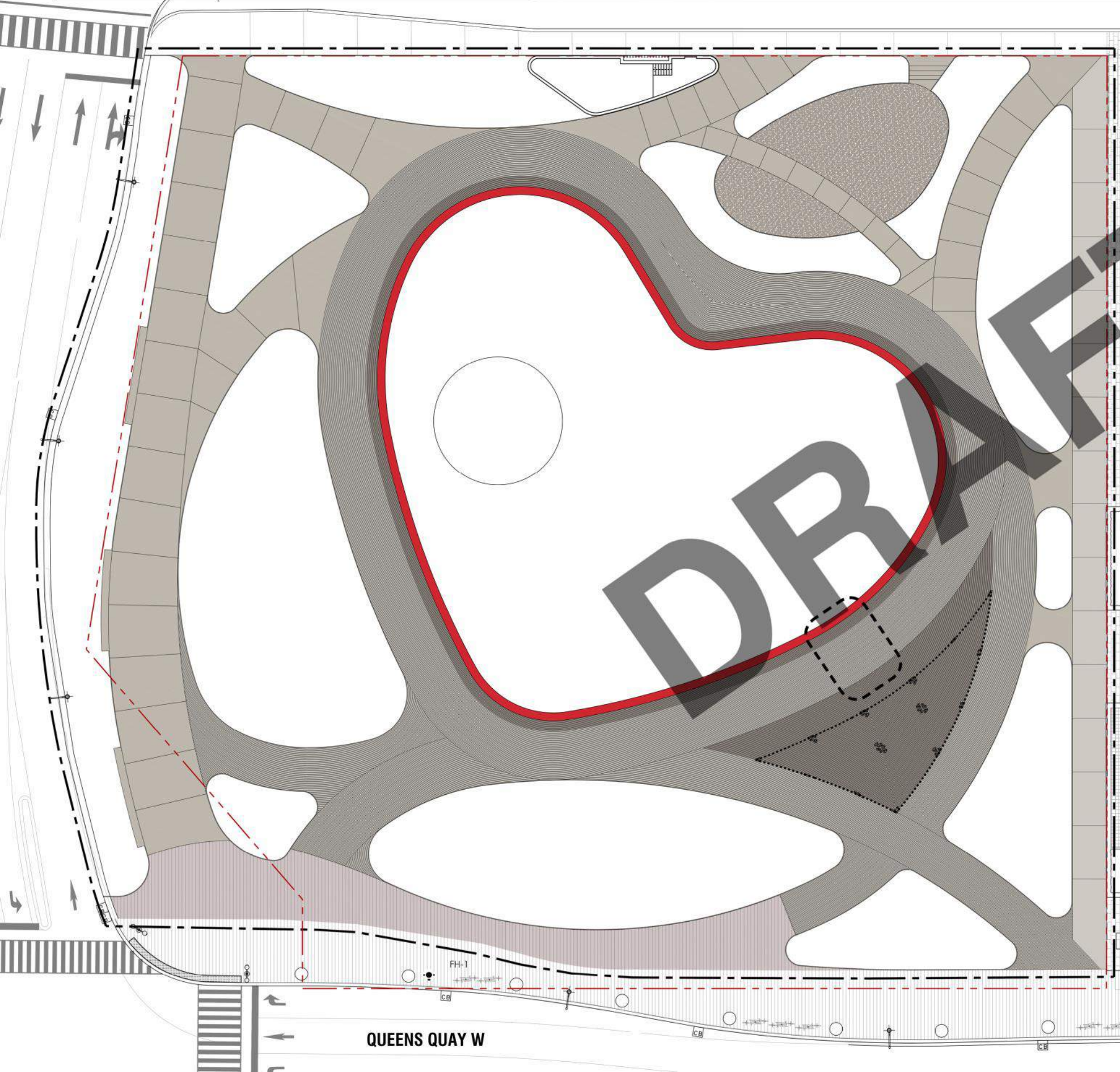
CONSISTENT MATERIAL QUALITY ALONG THE WATERFRONT

THREE FINISHES OF CALEDONIA GRANITE PAVERS (WATERJET, FLAMED & HONED)



PRECEDENT / BY CLAUDE CORMIER + ASSOCIÉS, DANIELS WATERFRONT, TORONTO

DETAILS OF GRANITE PAVER LAYOUT



1M

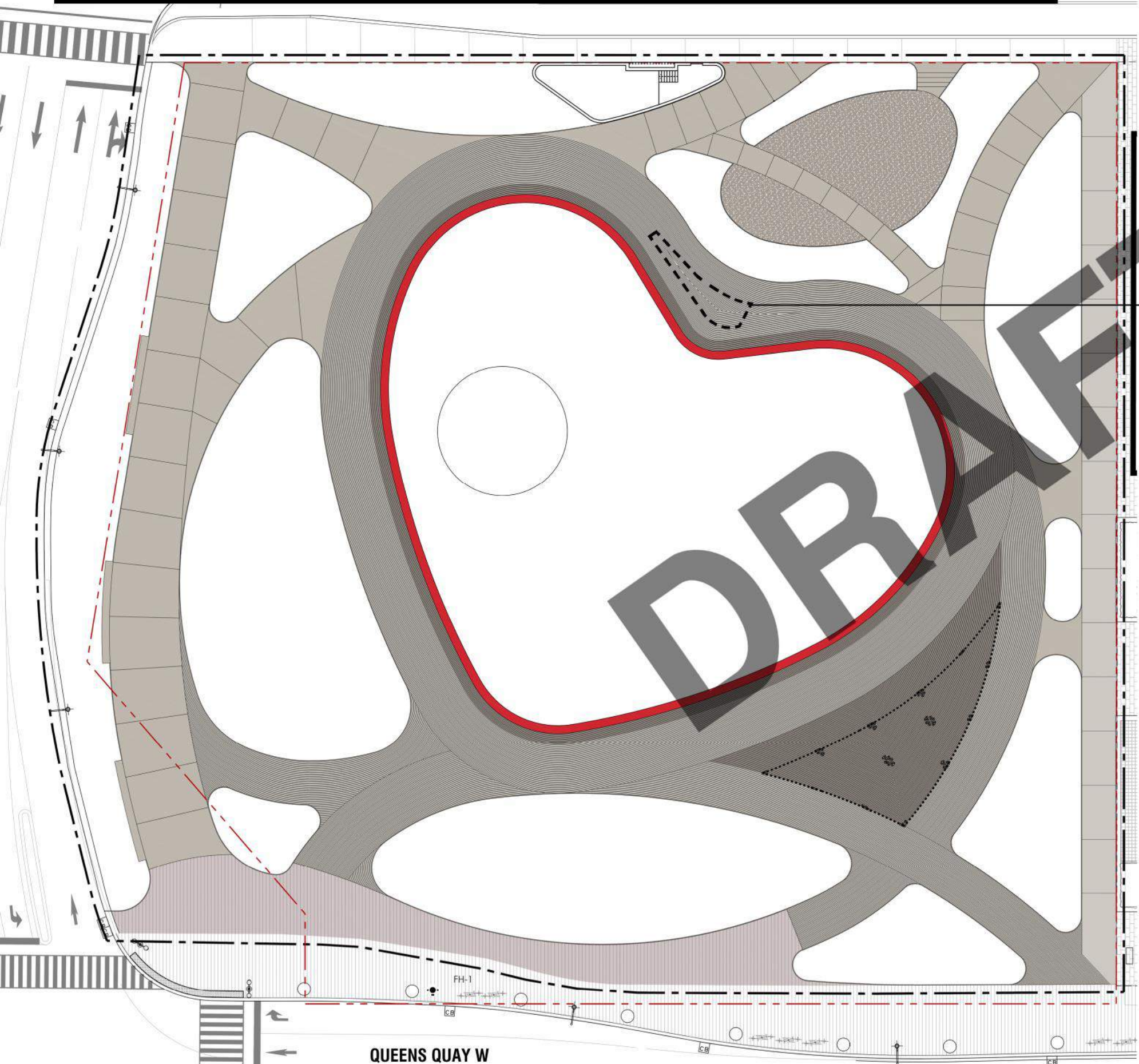
4.5M

WALKWAY

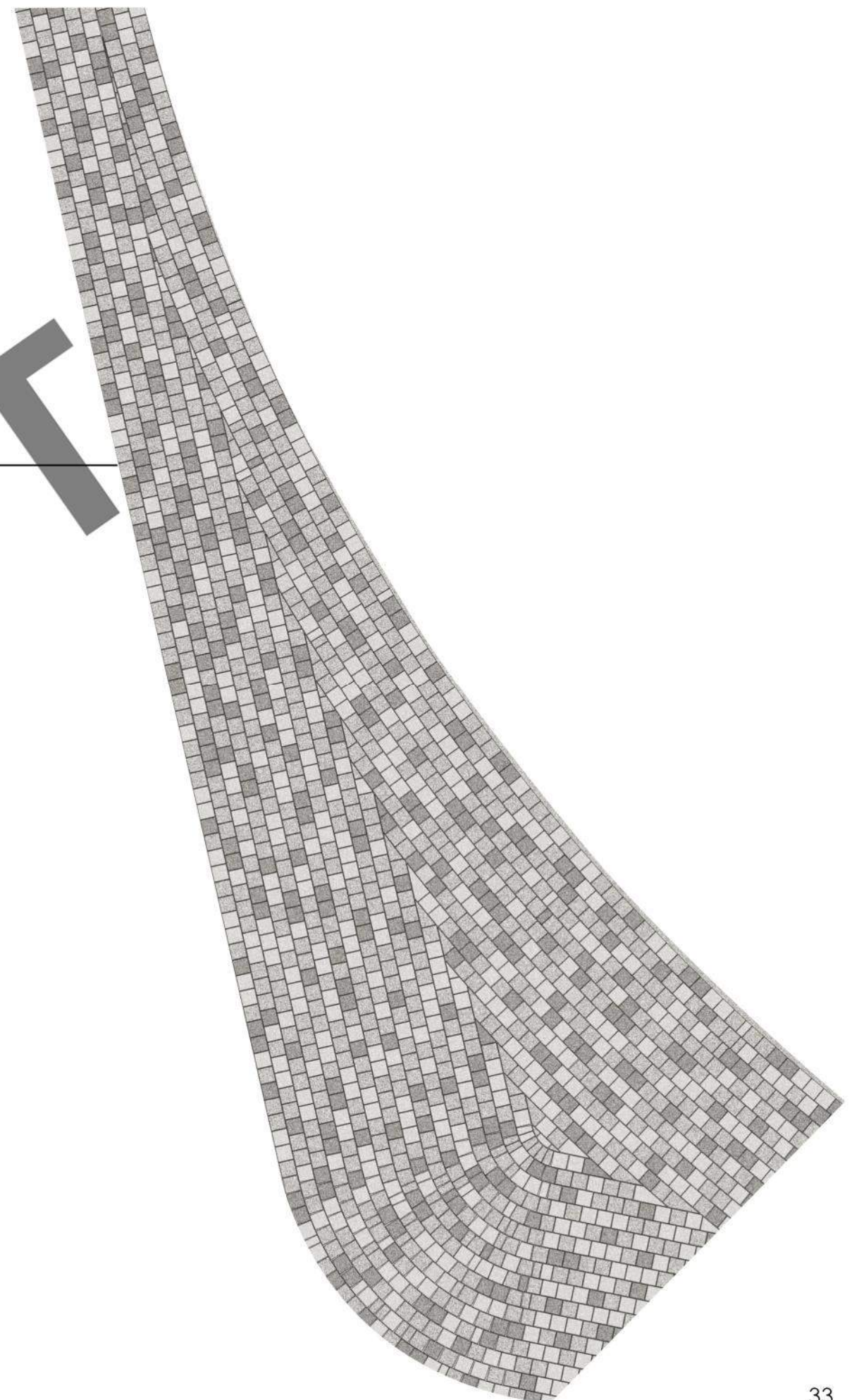
PAVILION
ZONE OF
REPOSE

HEART MERGE PAVER LAYOUT

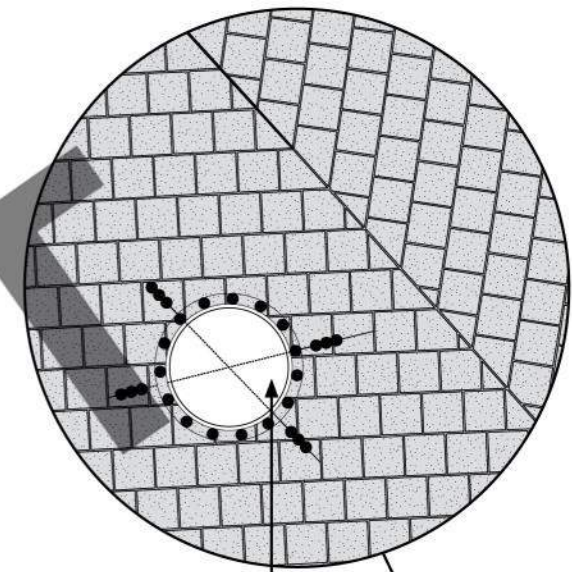
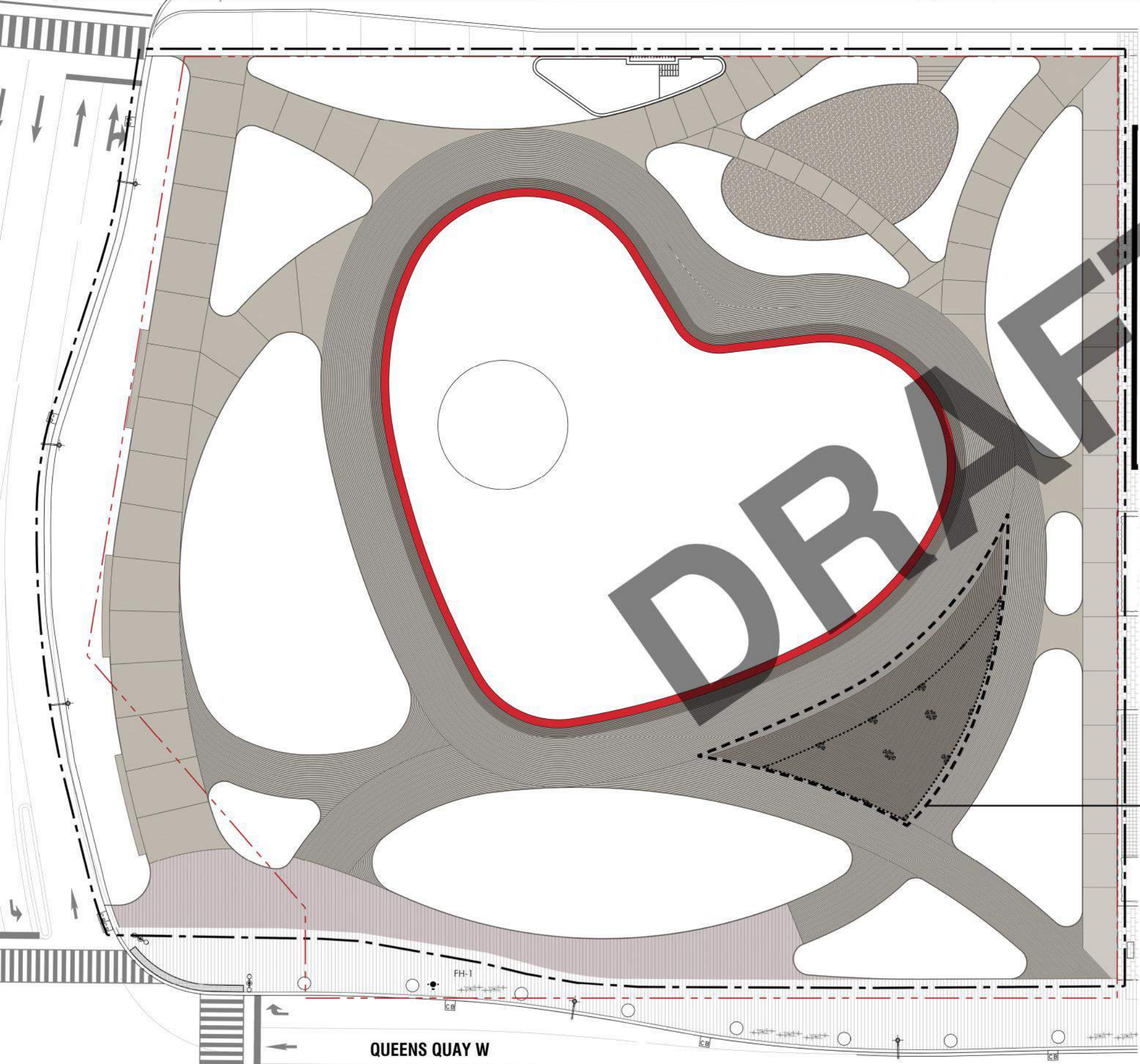
HARBOUR STREET



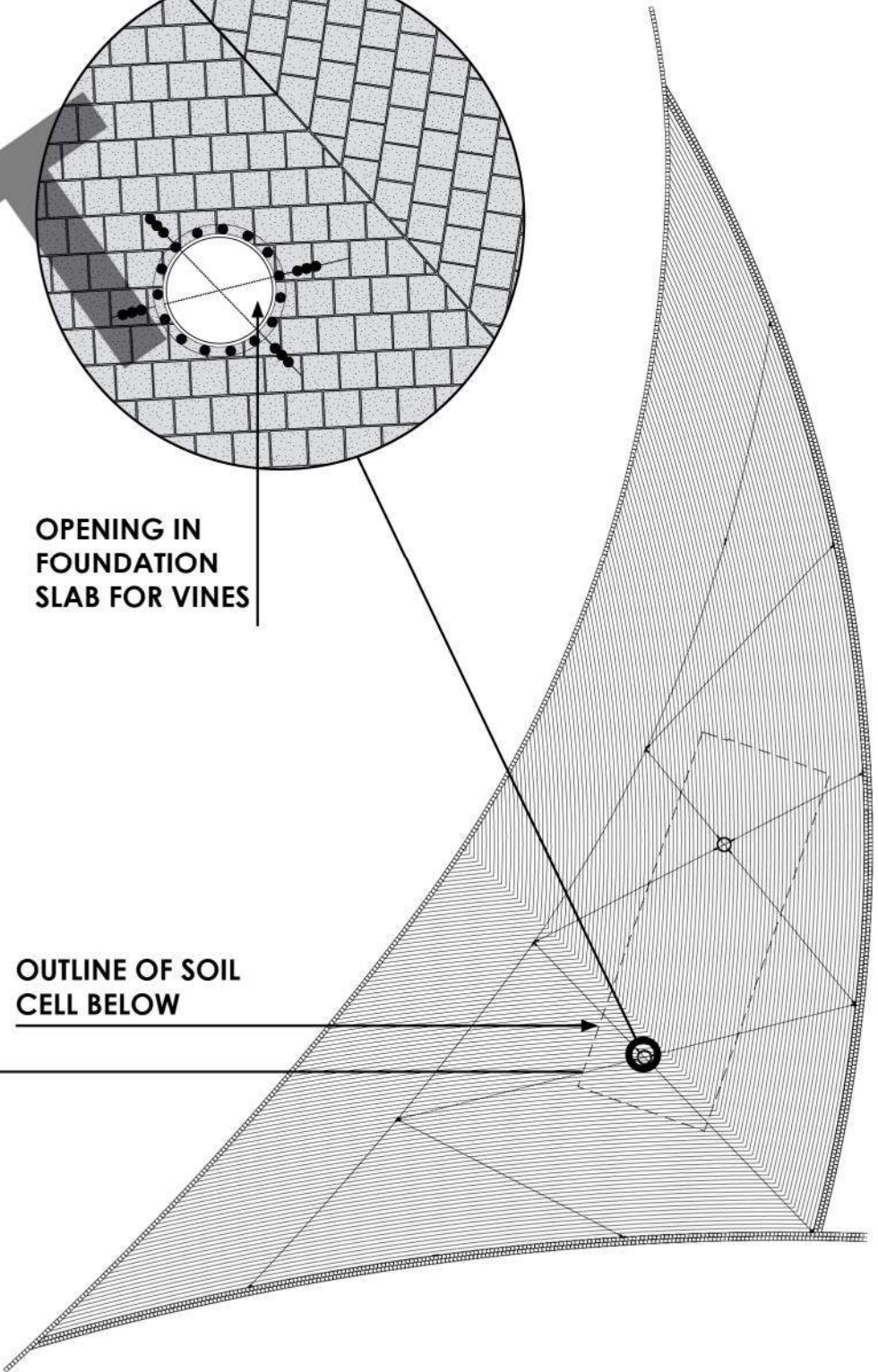
QUEENS QUAY W



PAVILION PAVER LAYOUT



OPENING IN FOUNDATION SLAB FOR VINES



OUTLINE OF SOIL CELL BELOW

PAVILION PAVER LAYOUT



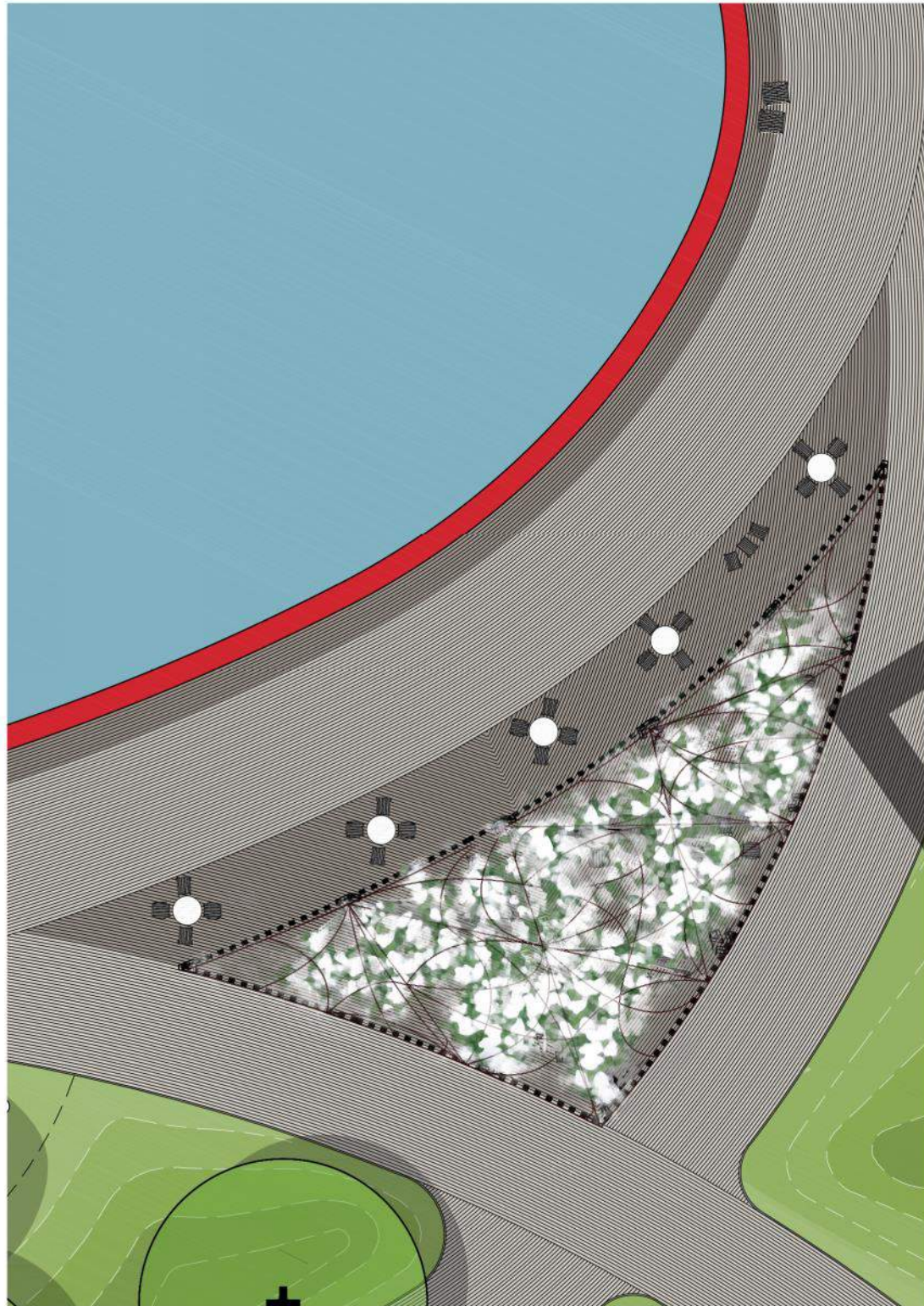
DRP #2 JULY 2019



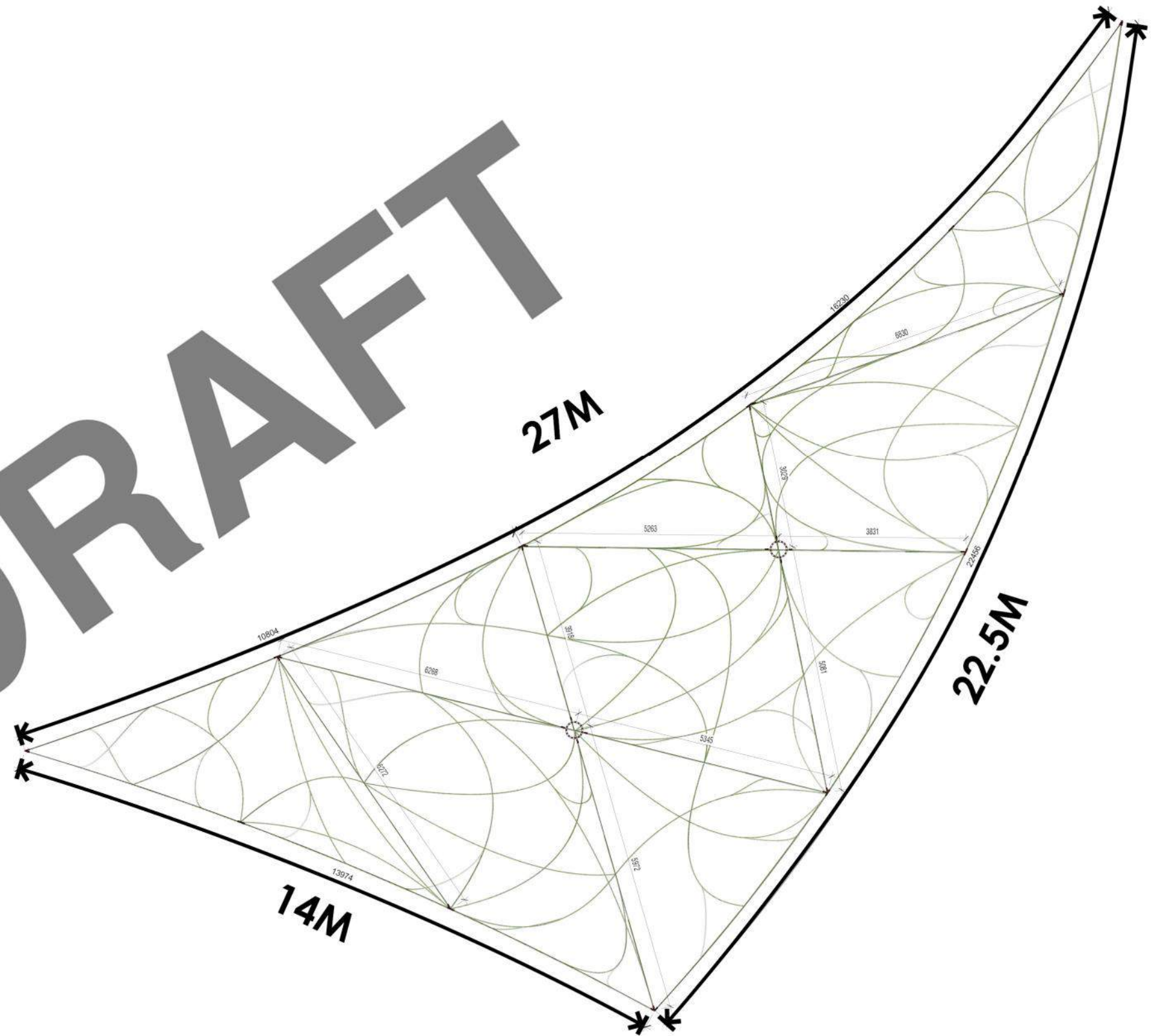
DRP #3 DECEMBER 2019

PAVILION BY gh3* ARCHITECTS

1" TUBULAR ALUMINUM PIPE (HOLLOW SECTION).



DRAFT





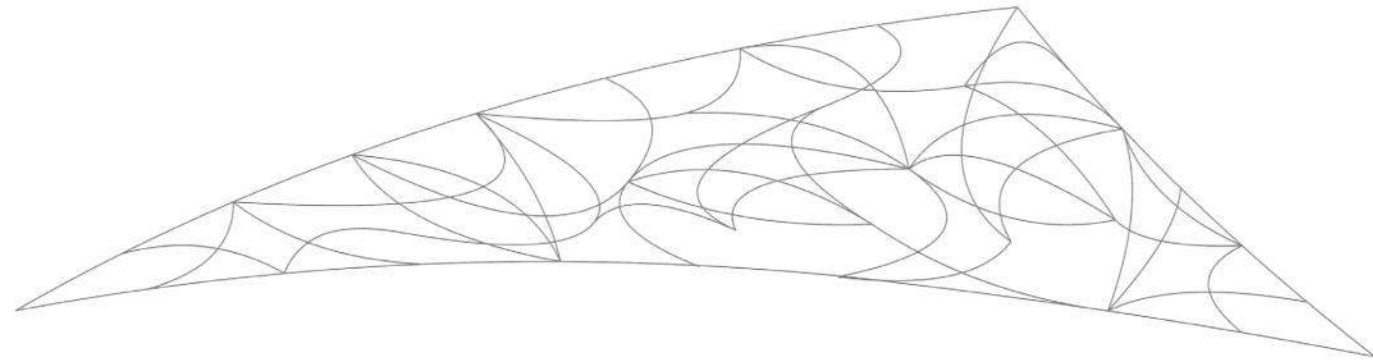
DRAFT



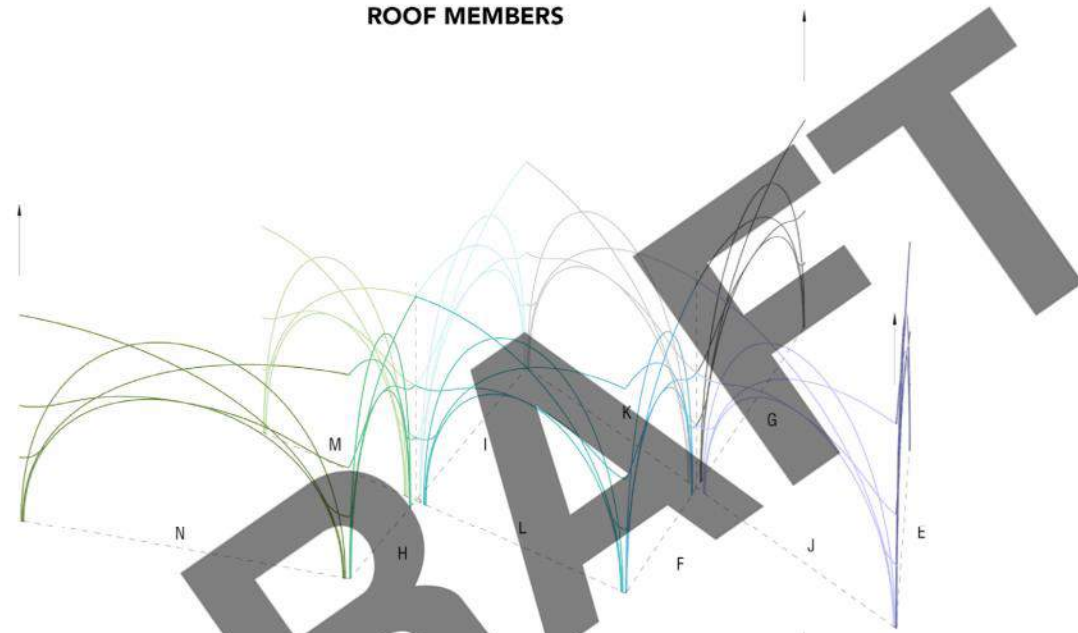


DRAFT

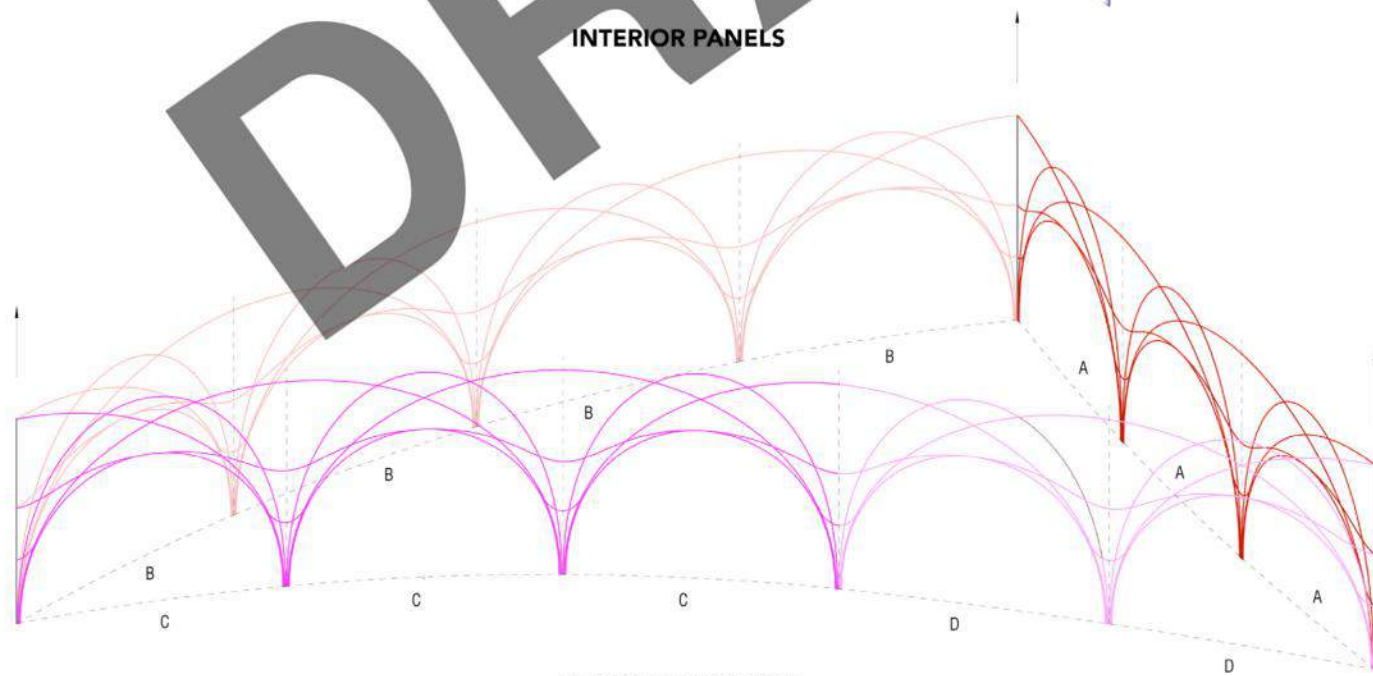




ROOF MEMBERS

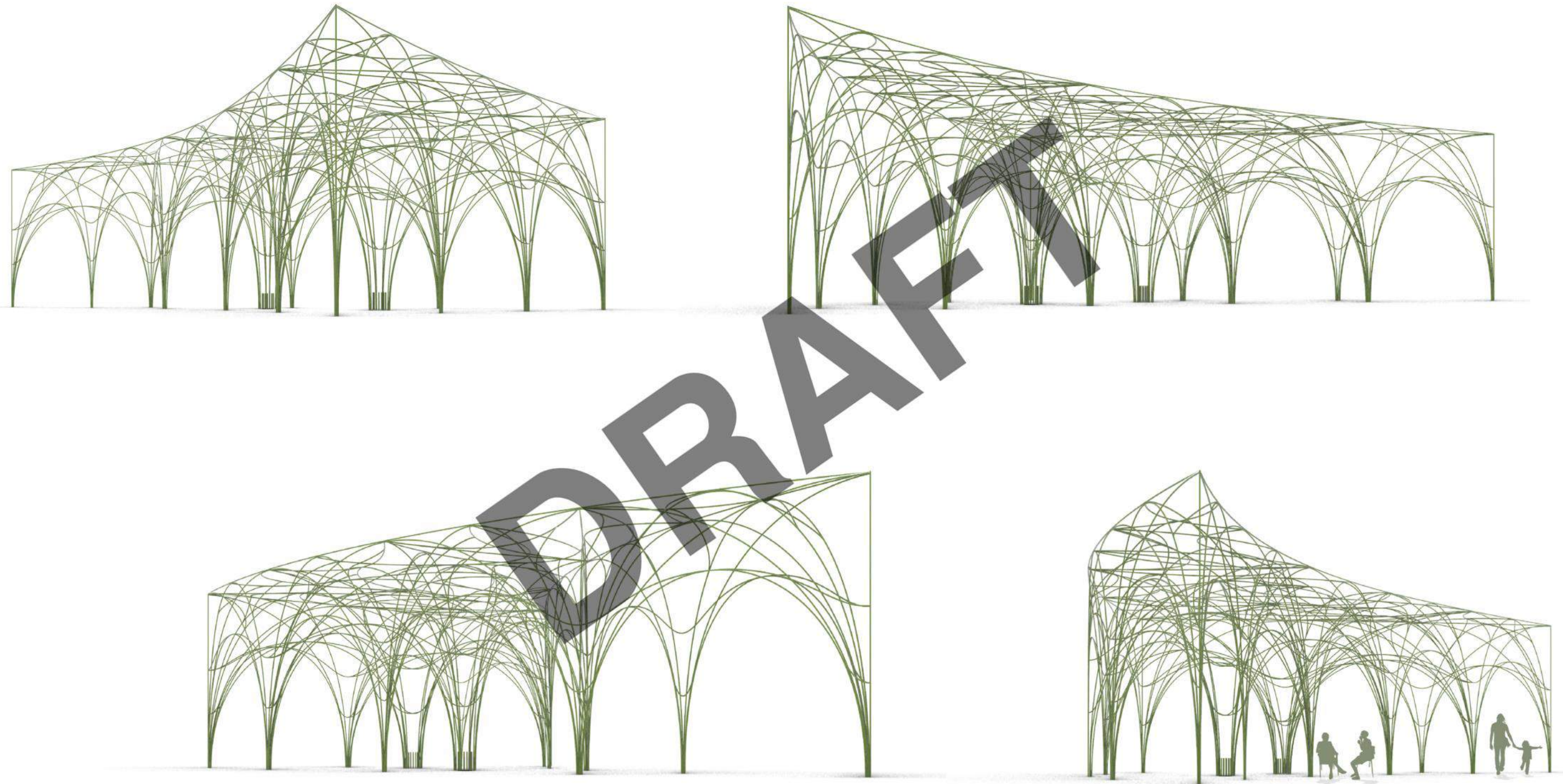


INTERIOR PANELS



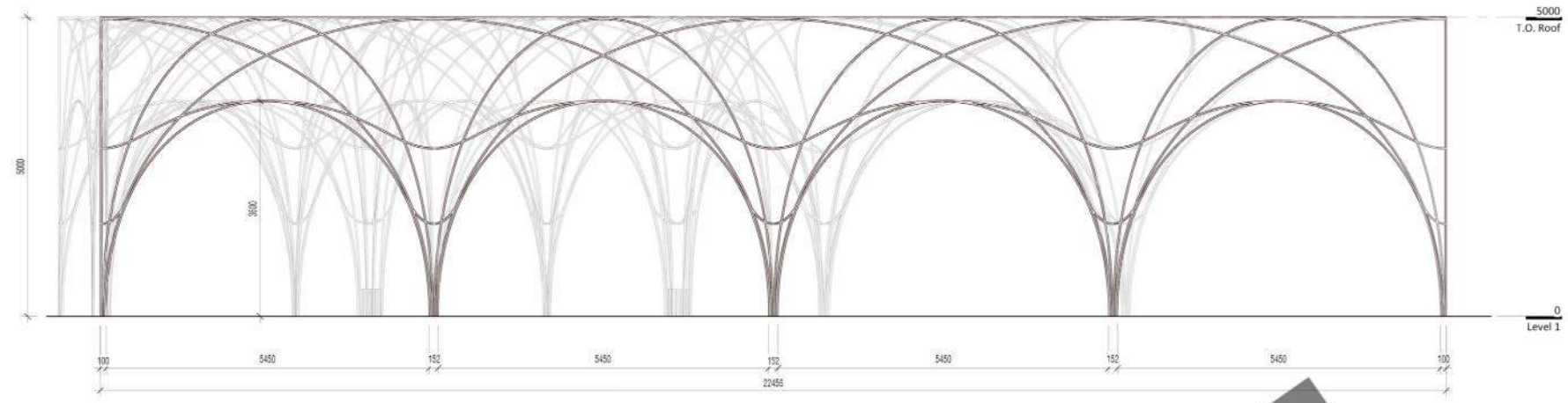
PERIMETER PANELS



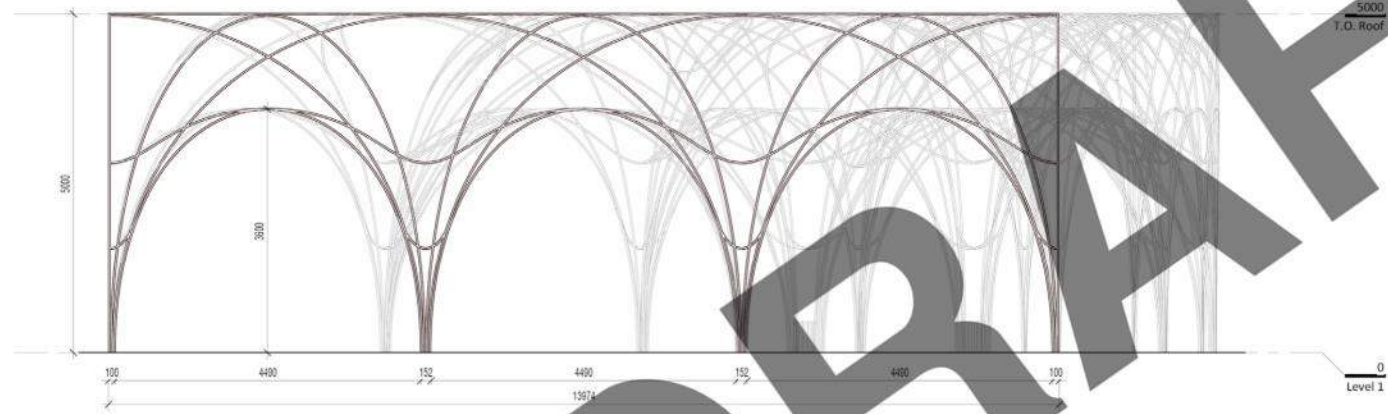




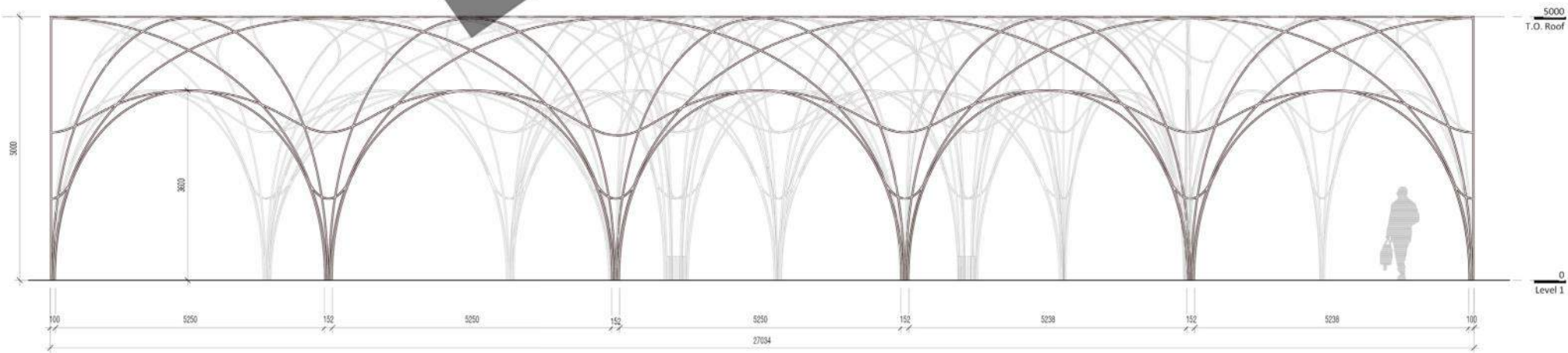
1 ROOF PLAN
 A500/A501 1:50



1 East Elevation
A201/A300 1:50

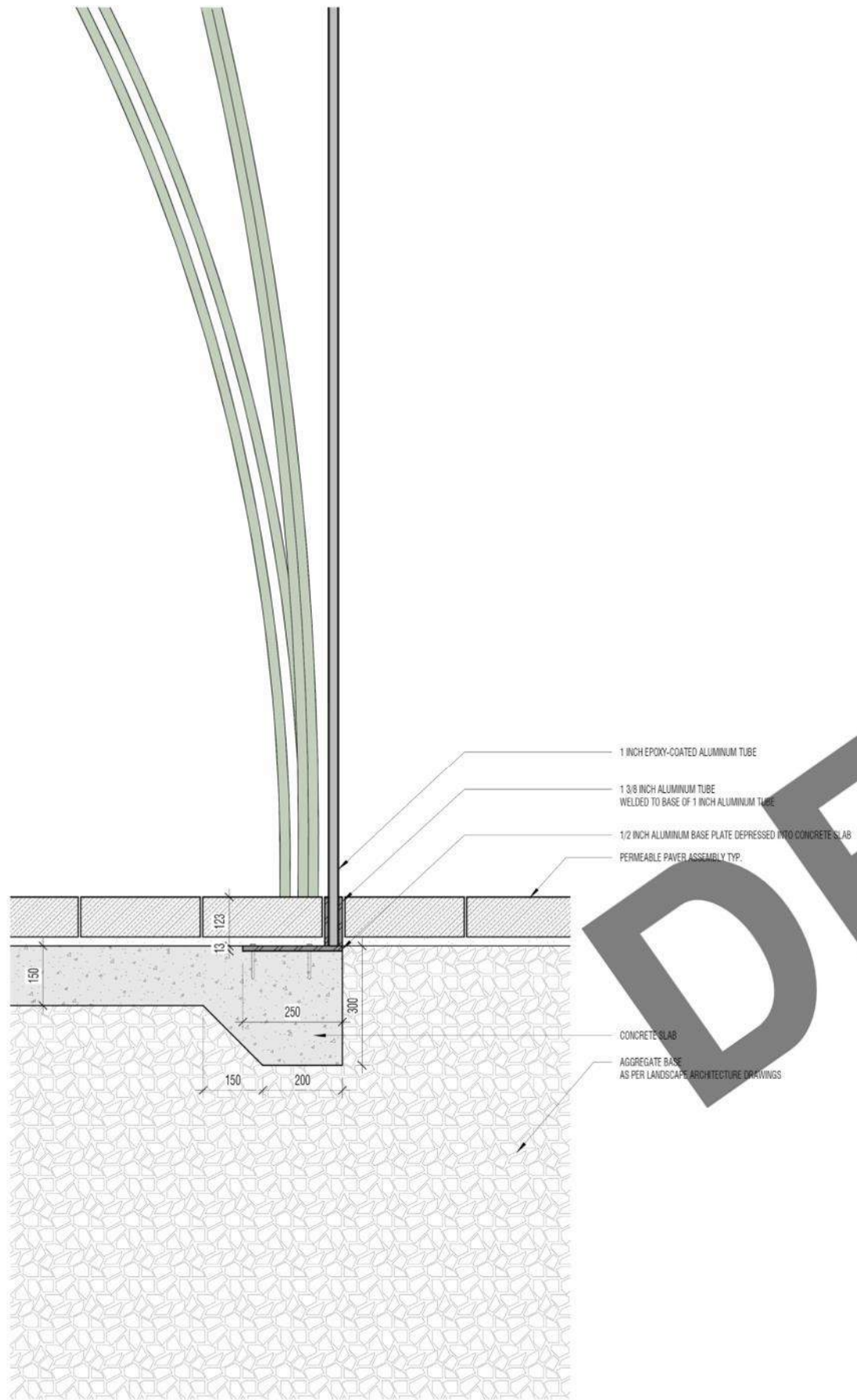


2 South Elevation
A201/A300 1:50



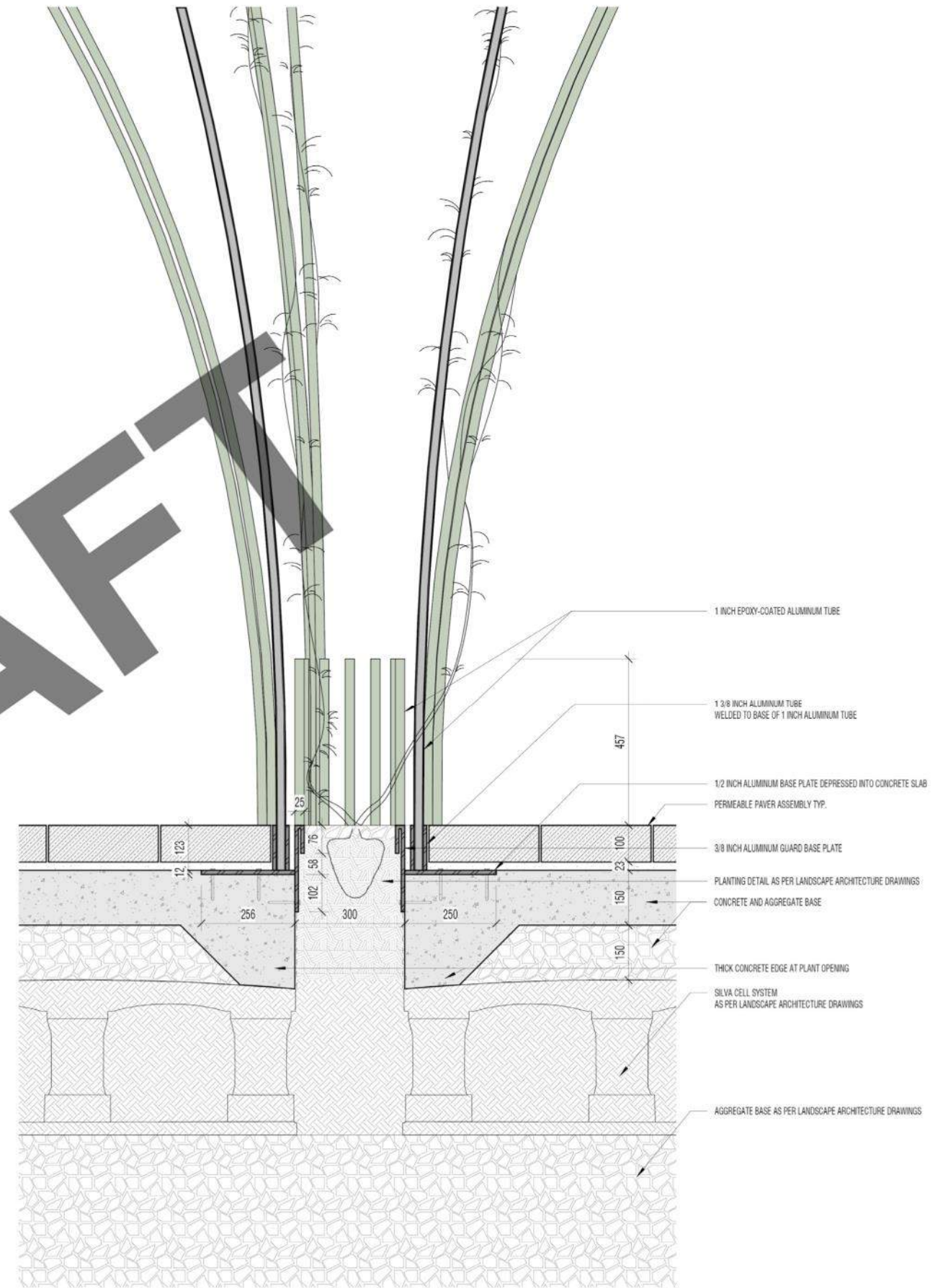
1 West Elevation
A201/A301 1:50

DRAFT

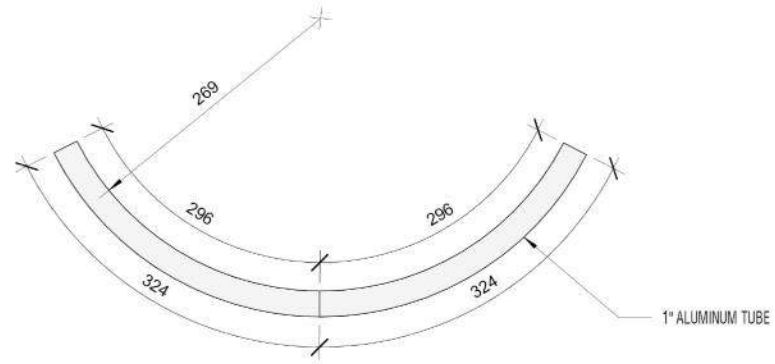


3 PAVILION BASE DETAIL
A500 A700 1:10

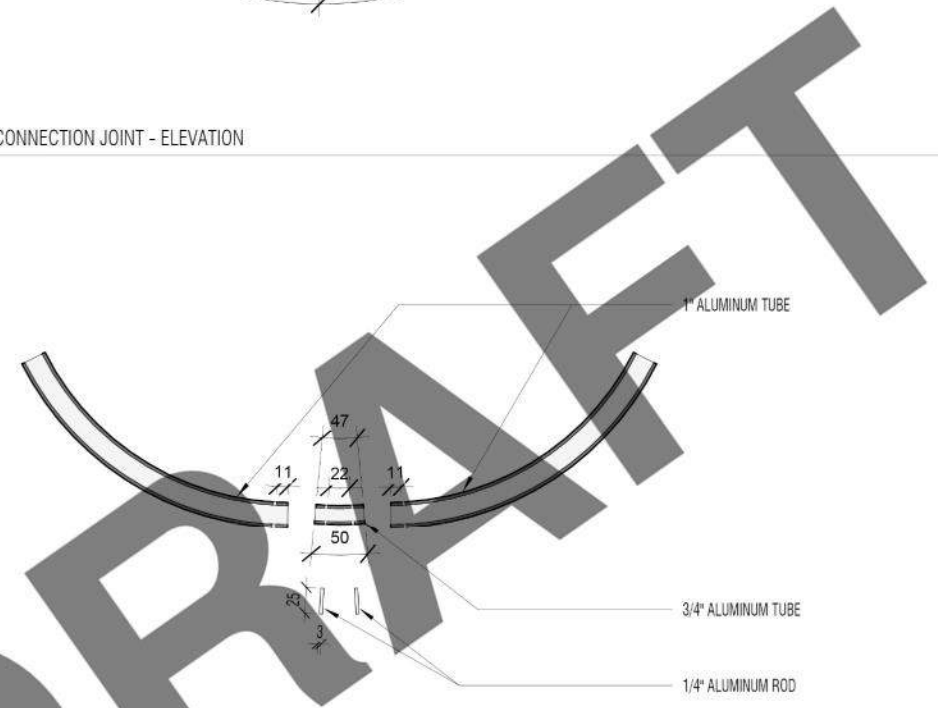
DRAFT



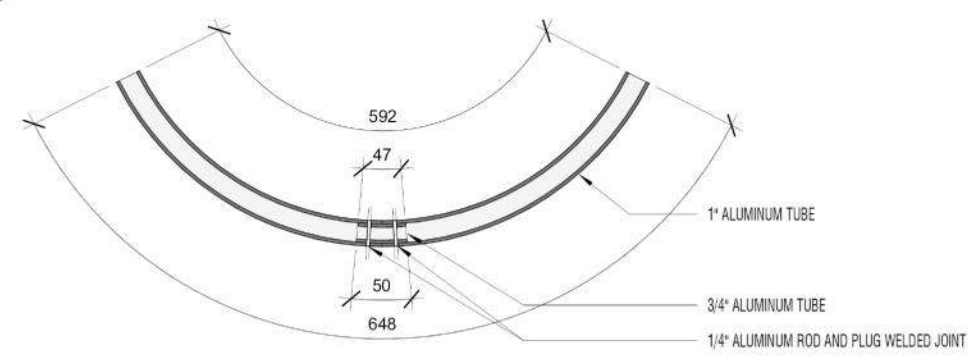
2 PLANTER DETAIL
A500 A700 1:10



5 ALUMINUM TUBE CONNECTION JOINT - ELEVATION
AS00/A700 1:5



6 ALUMINUM TUBE CONNECTION JOINT - EXPLODED SECTION
AS00/A700 1:5

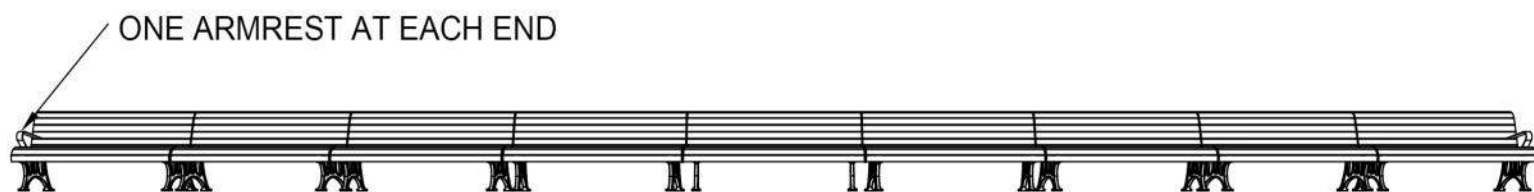
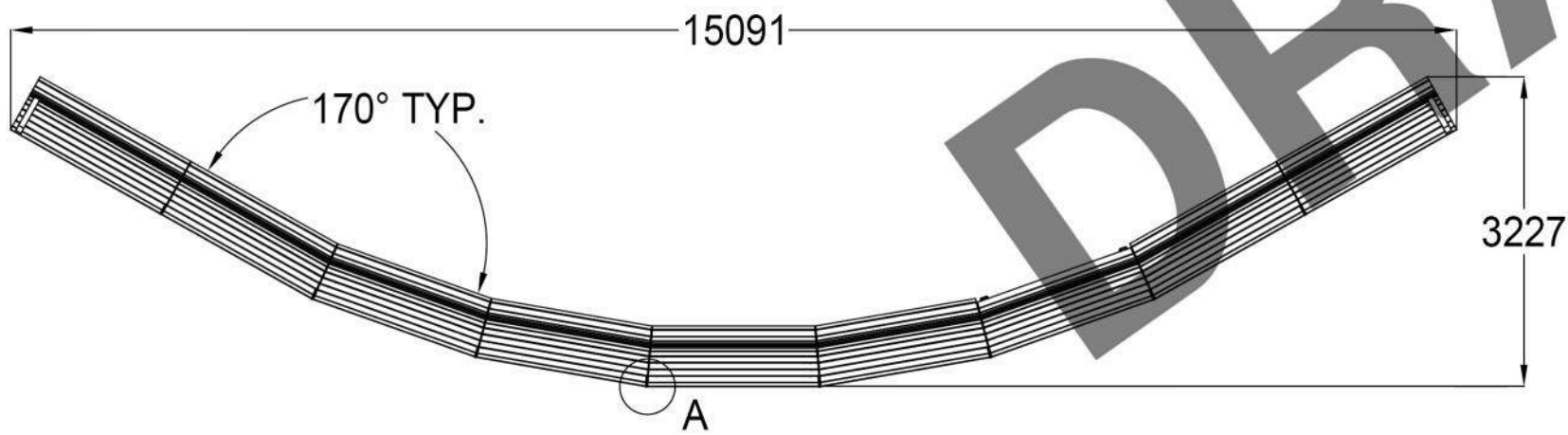


7 ALUMINUM TUBE CONNECTION JOINT - SECTION
AS00/A700 1:5





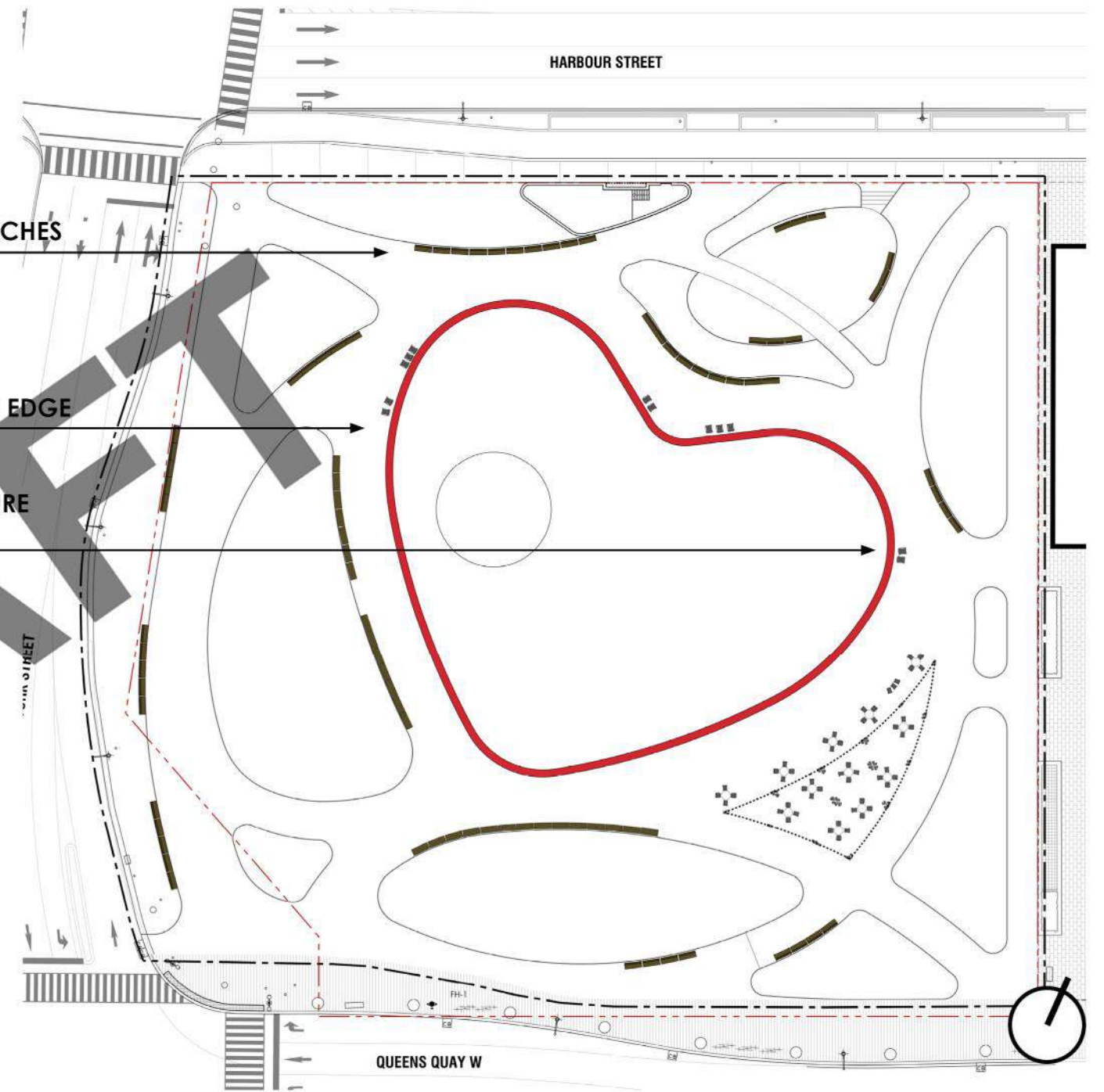
LOTS OF PLACES TO SIT



+/- 200M OF LINEAR BENCHES

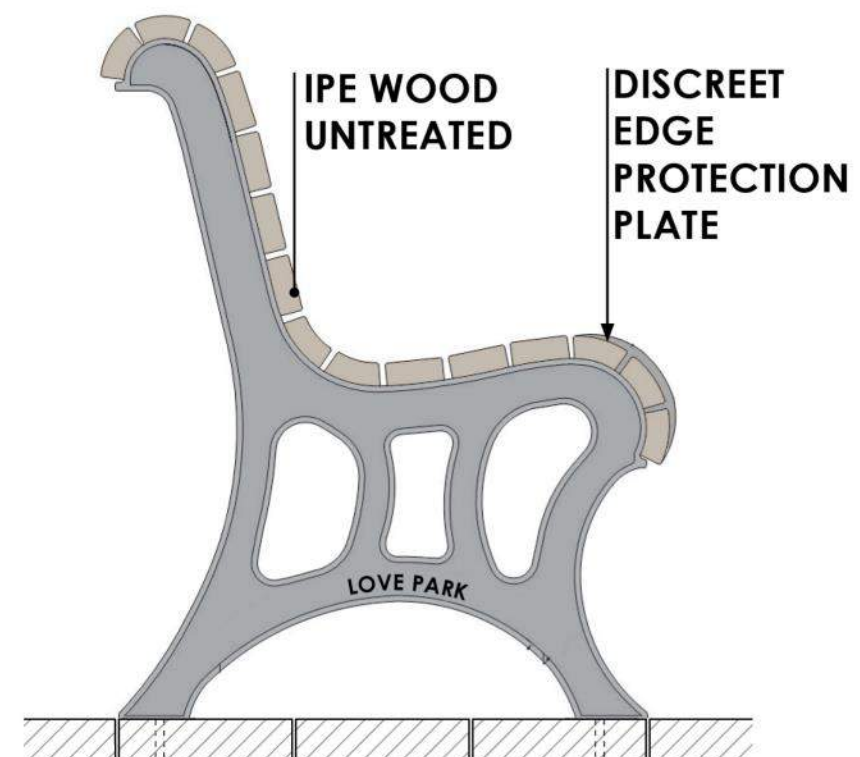
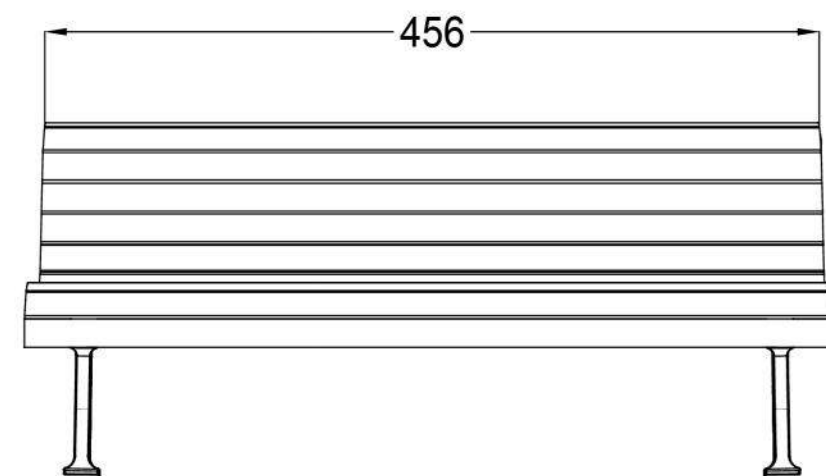
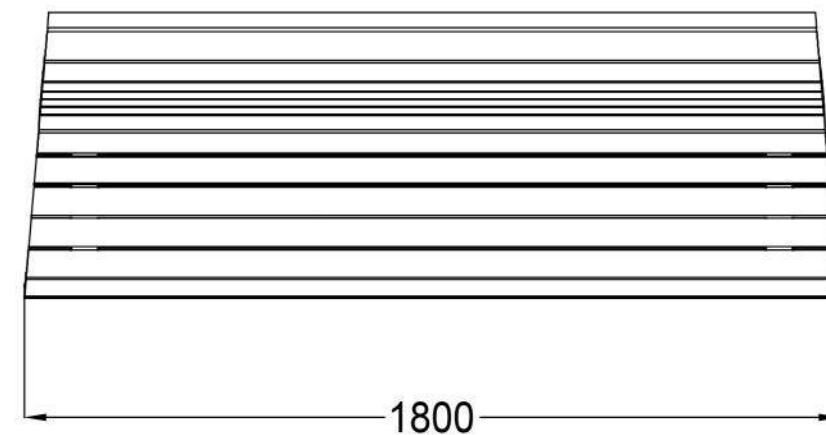
160M OF POND SEATING EDGE

FREE STANDING FURNITURE
(SEPARATE BUDGET)





PRECEDENT - SQUARE DORCHESTER, MONTREAL (CLAUDE CORMIER + ASSOCIES)



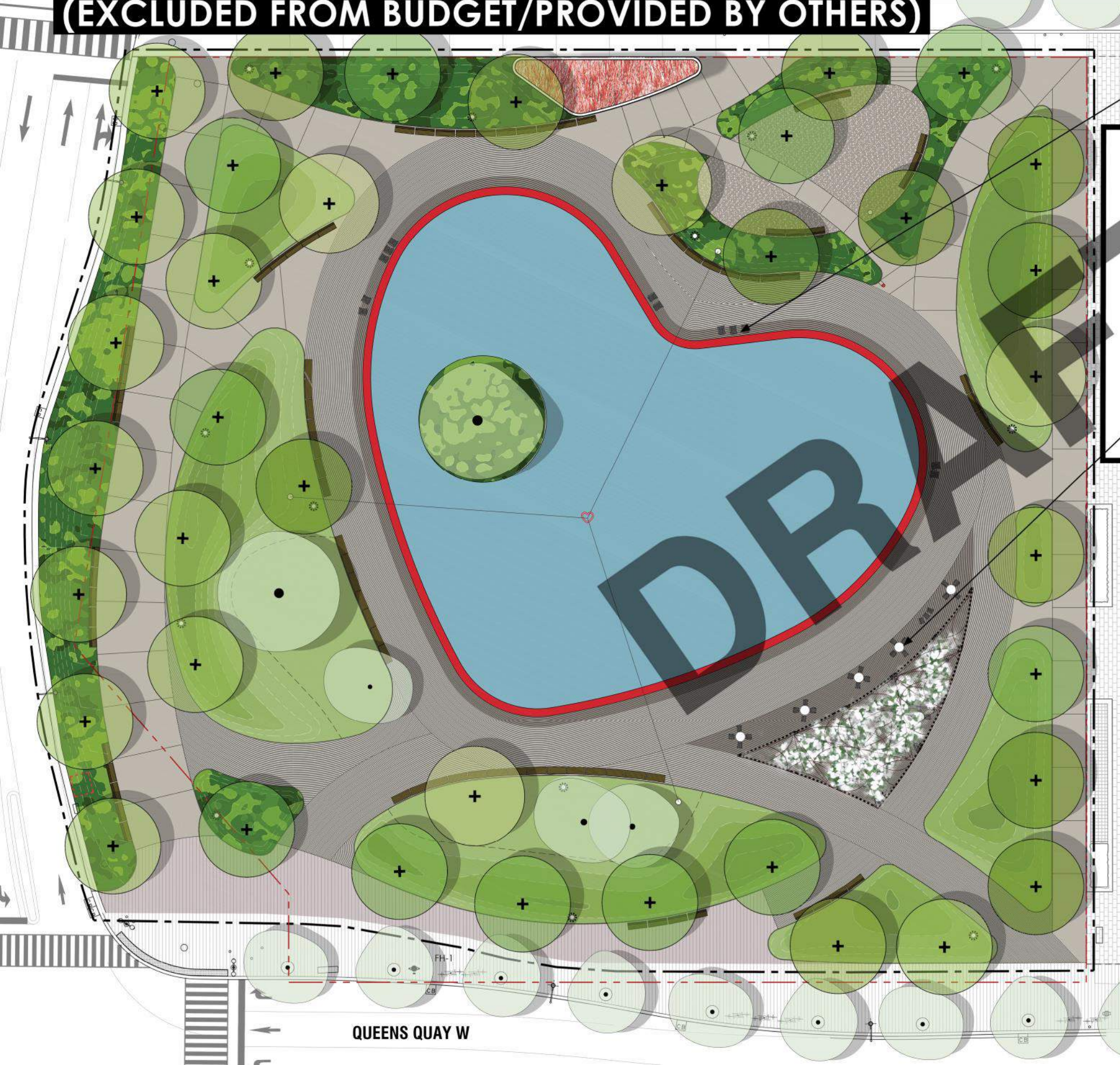
MOVEABLE FURNITURE - HAY PALISSADE

(EXCLUDED FROM BUDGET/PROVIDED BY OTHERS)

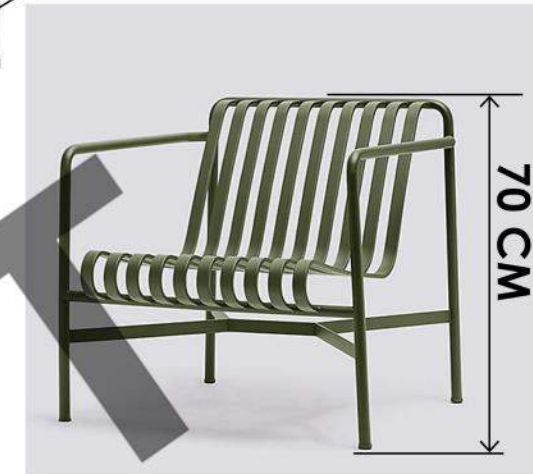


MOVEABLE FURNITURE - HAY PALISSADE

(EXCLUDED FROM BUDGET/PROVIDED BY OTHERS)



LOUNGE CHAIR LOW QUANTITY: 12



ARMCHAIR QUANTITY: 26



SIDECHAIR QUANTITY: 25



CONE TABLE QUANTITY: 12



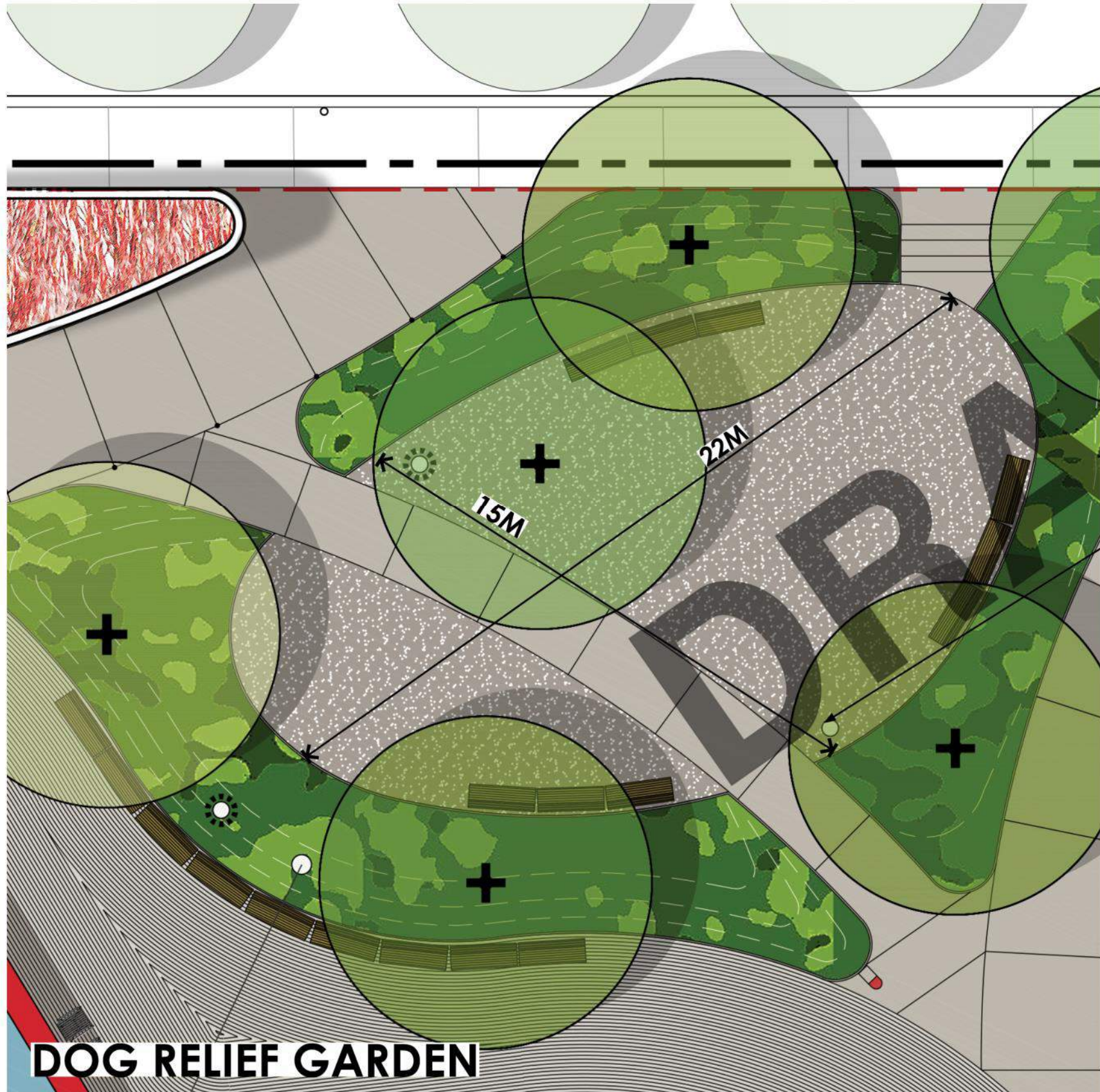


MOVEABLE FURNITURE - JARDIN DU TUILERIES

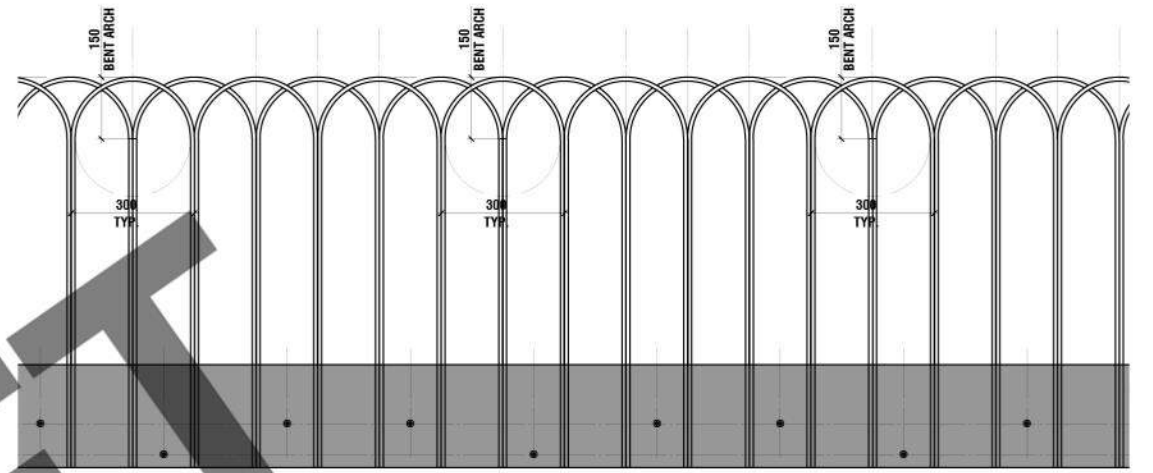




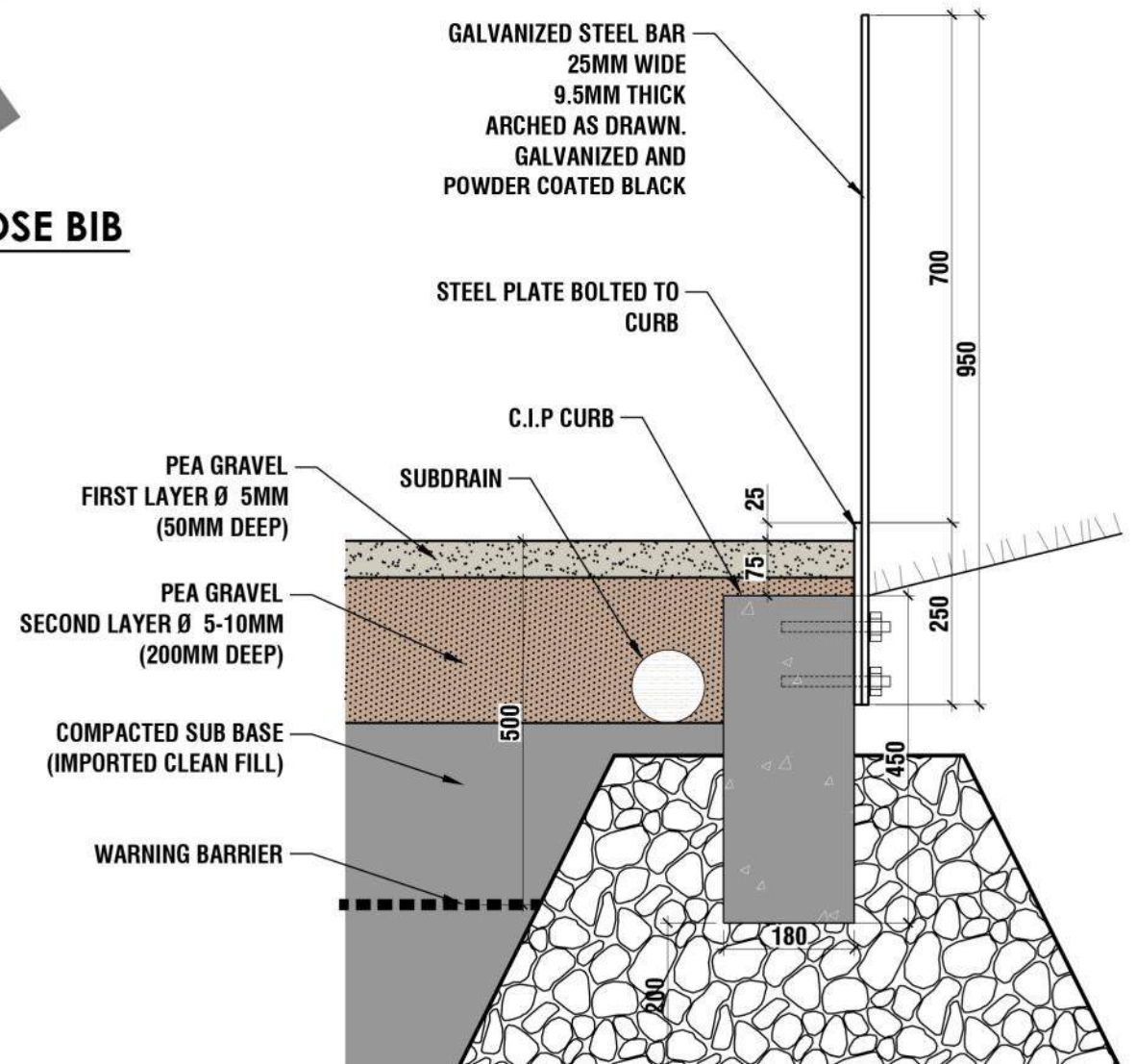
A GARDEN FOR DOGS ON-LEASH



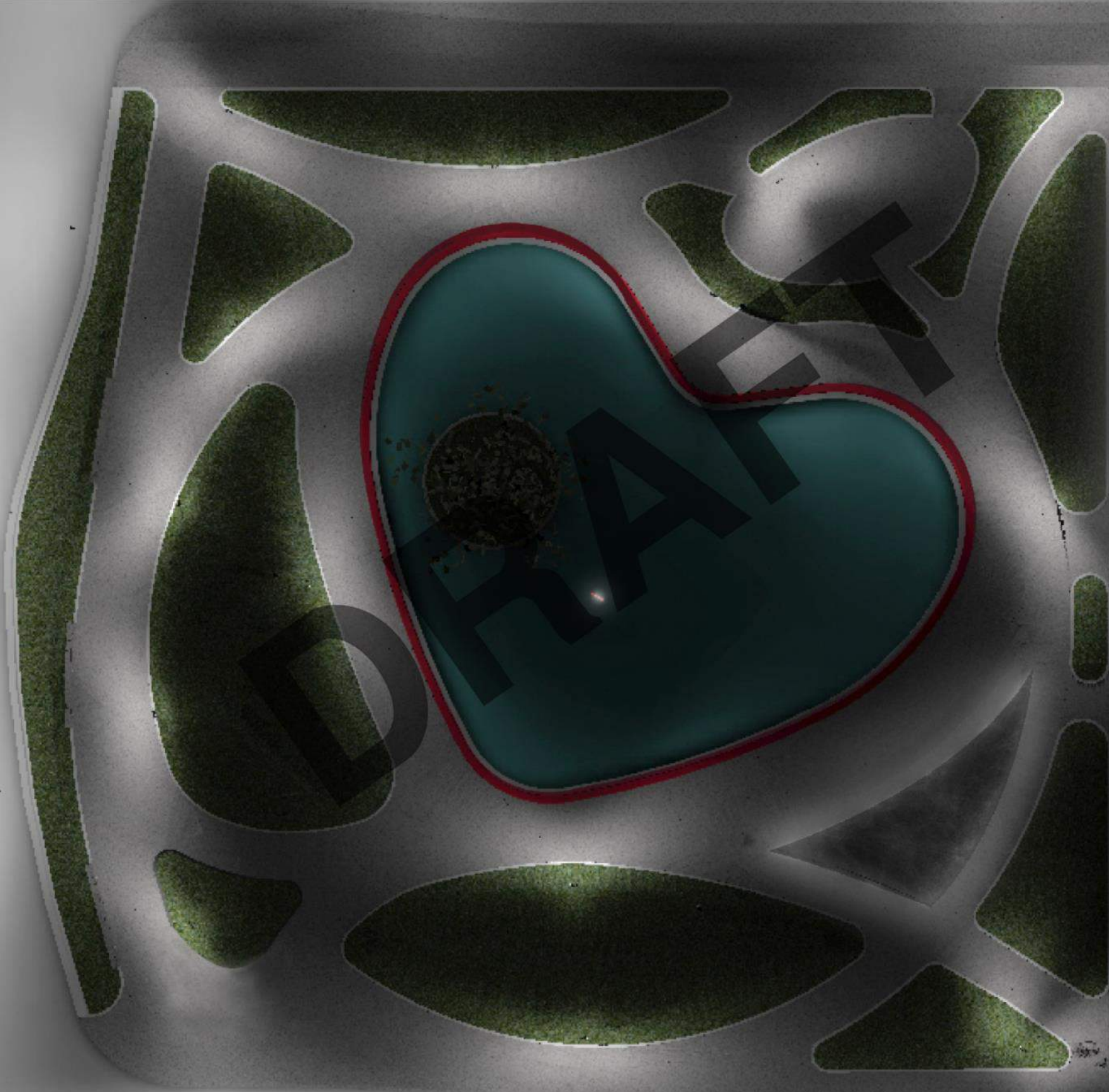
DOG RELIEF GARDEN



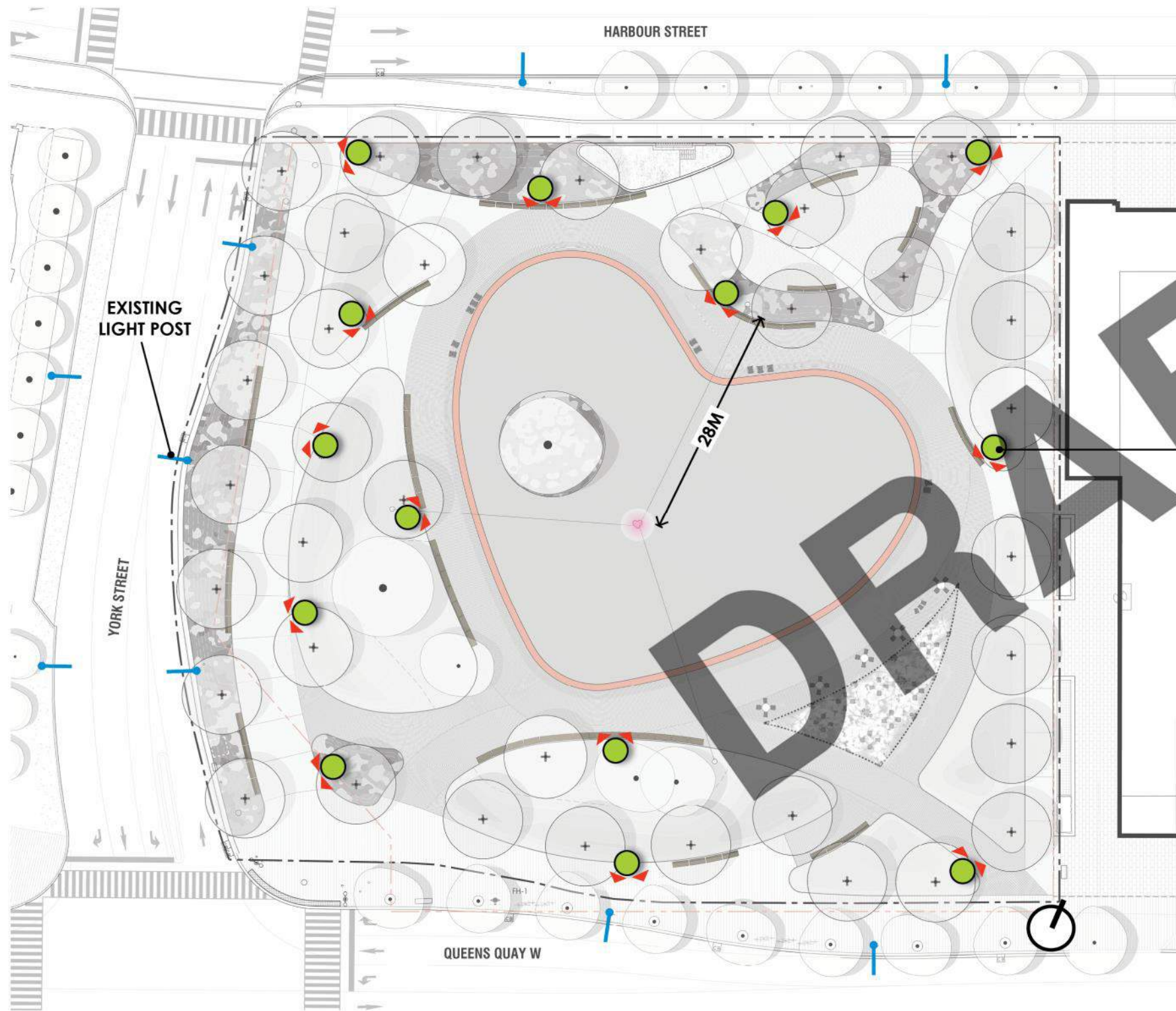
HOSE BIB



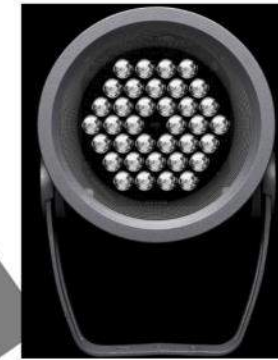
LIGHTING STRATEGY BY OMBRAGES



LIGHTING STRATEGY BY OMBRAGES



**PATHWAYS: 6M MAST WITH
2 PROJECTORS**



GENERAL PATHWAY LIGHT
MEDIUM LUMENBEAM BY
LUMENPULSE

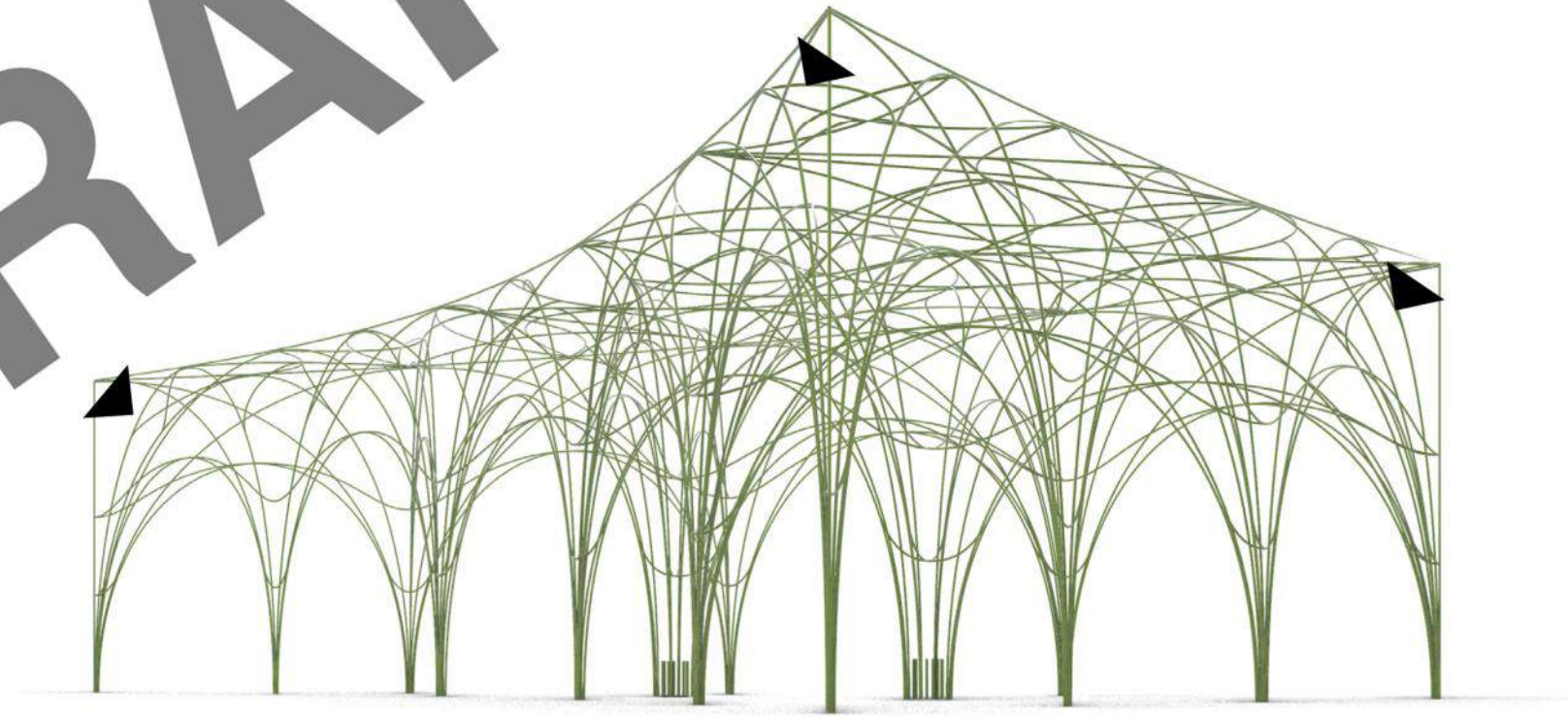


PAVILION LIGHTING STRATEGY



SMALL LUMENBEAM
BY LUMENPULSE

DRAFT



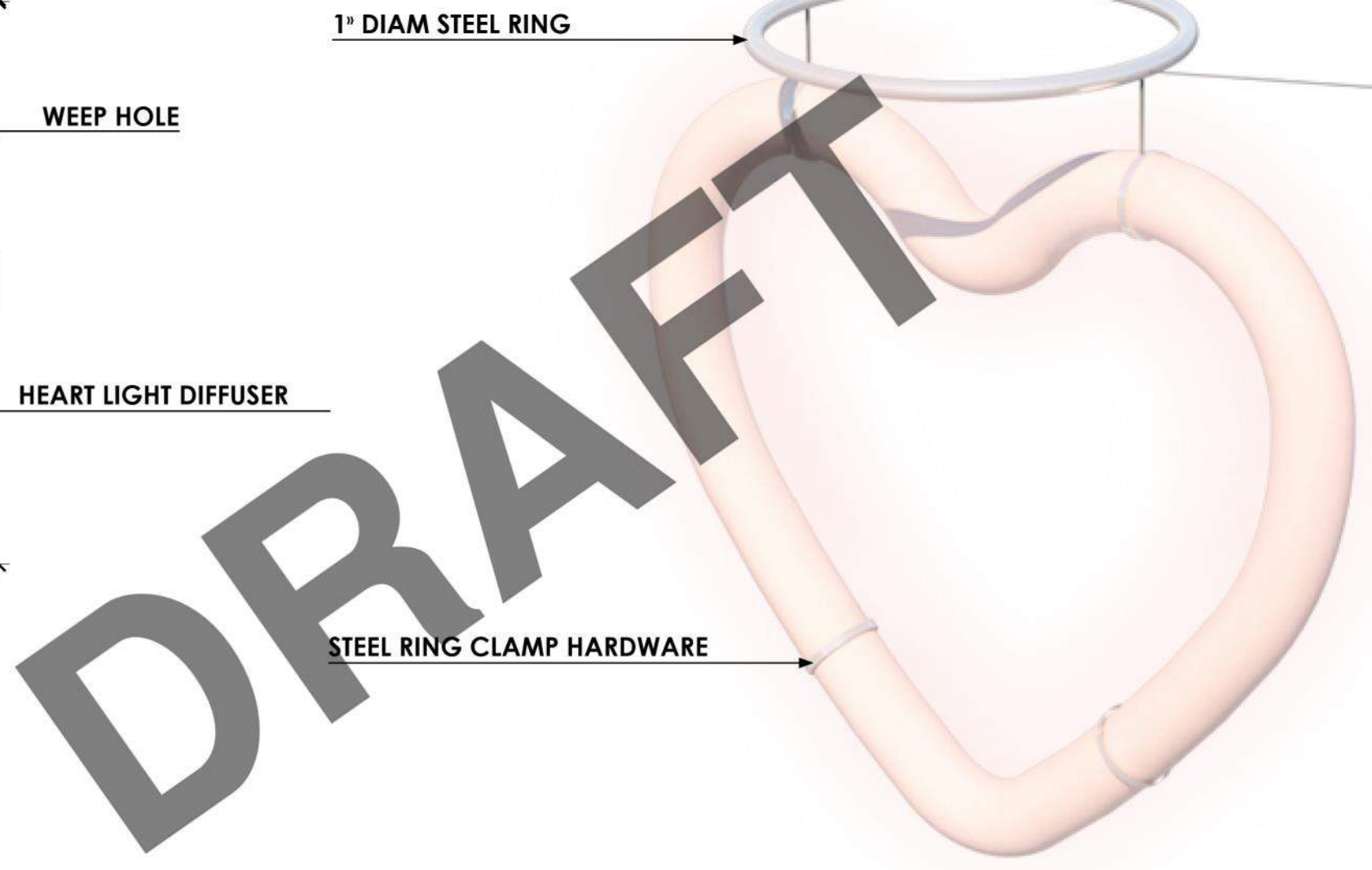
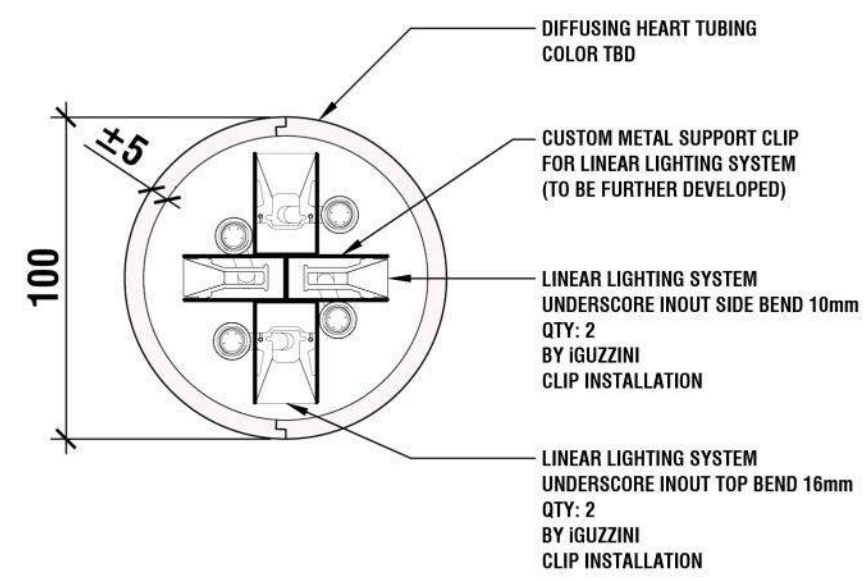
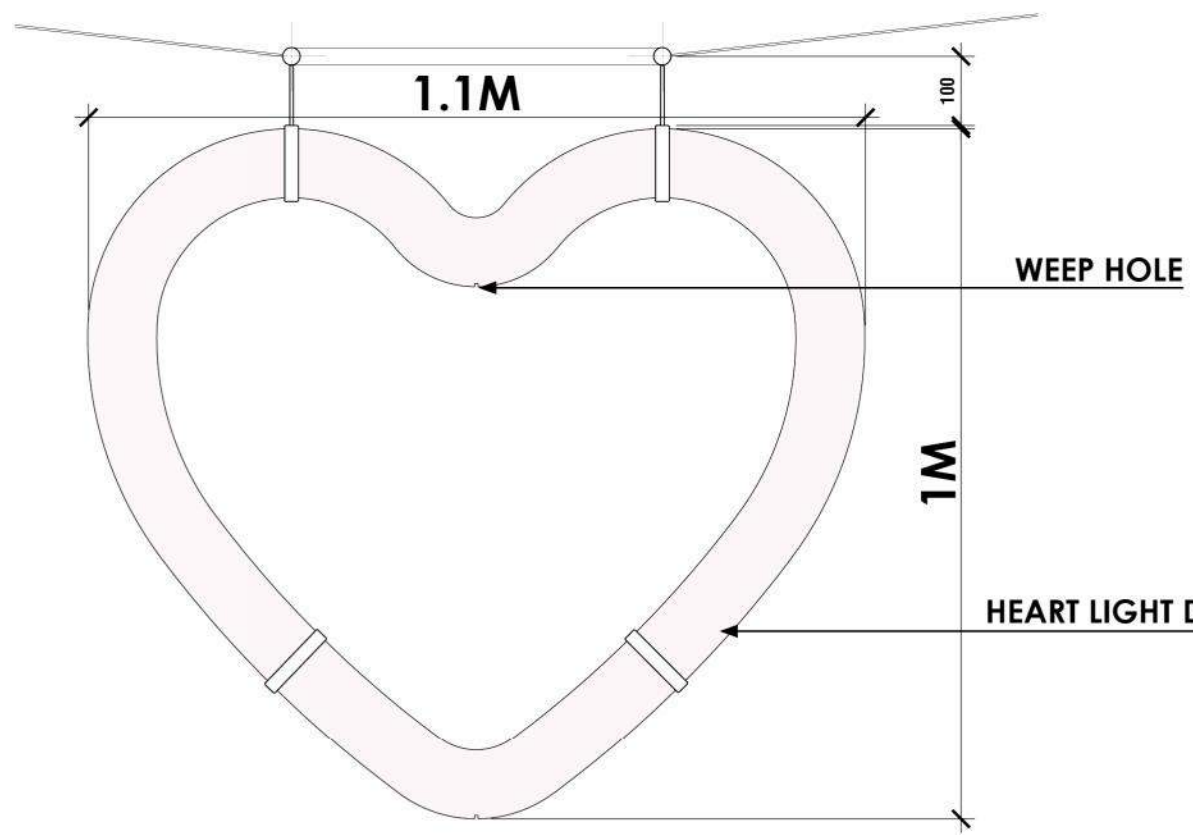
A PARK WITH A GUARDIAN ANGEL

SUSPENDED "GLOWING" HEART



A PARK WITH A GUARDIAN ANGEL

SUSPENDED "GLOWING" HEART



EASY TO LOVE AND MAINTAIN

VEHICLE DETERRENT - CITY OF TORONTO LARGE FLOWER POT AT ENTRANCE

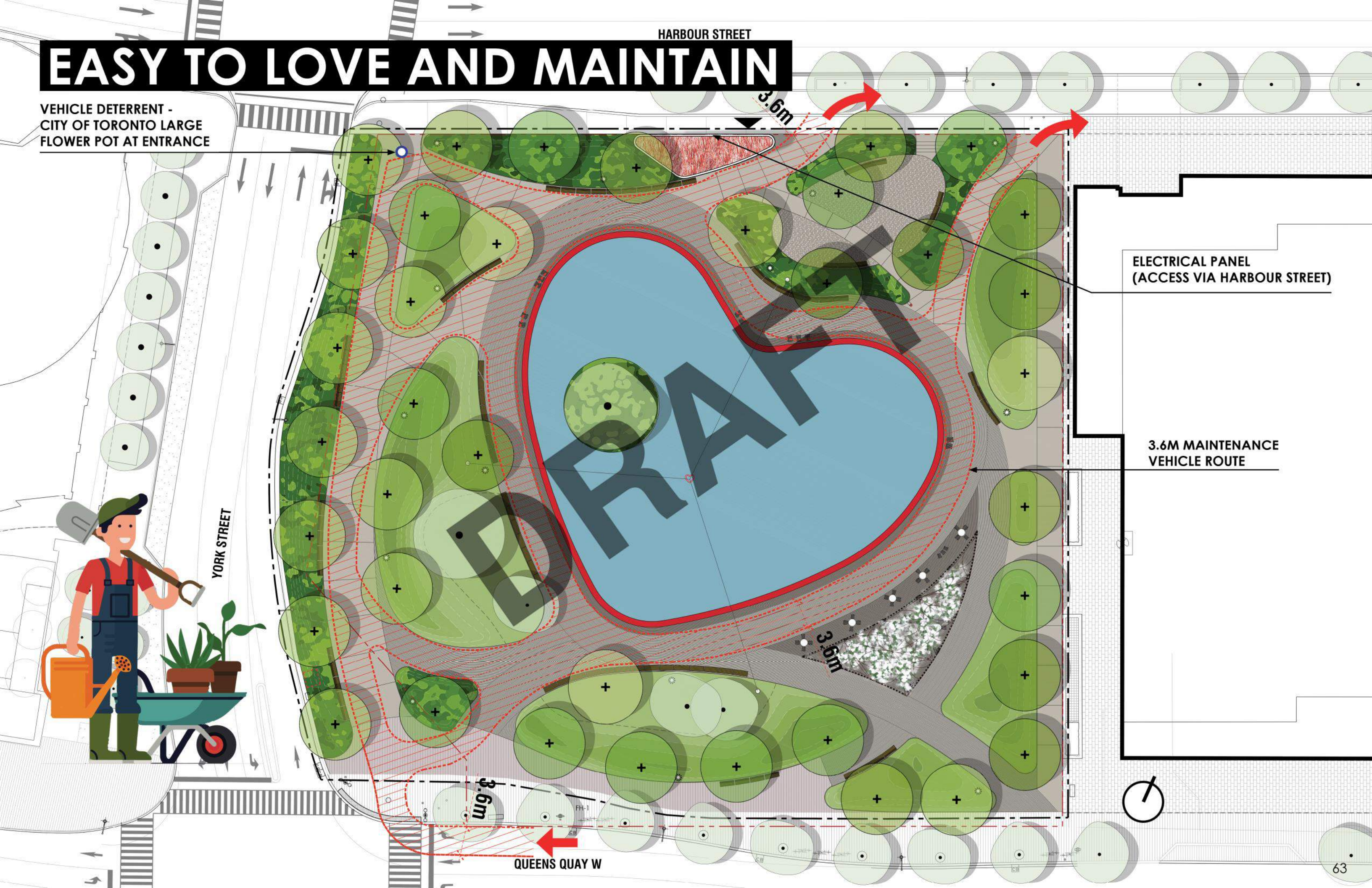
HARBOUR STREET

YORK STREET

QUEENS QUAY W

ELECTRICAL PANEL (ACCESS VIA HARBOUR STREET)

3.6M MAINTENANCE VEHICLE ROUTE



GARBAGE & RECYCLING

CAMO TOTERS



GARBAGE



RECYCLING

(EXCLUDED FROM CONSTRUCTION BUDGET)

TEMPORARY FENCING

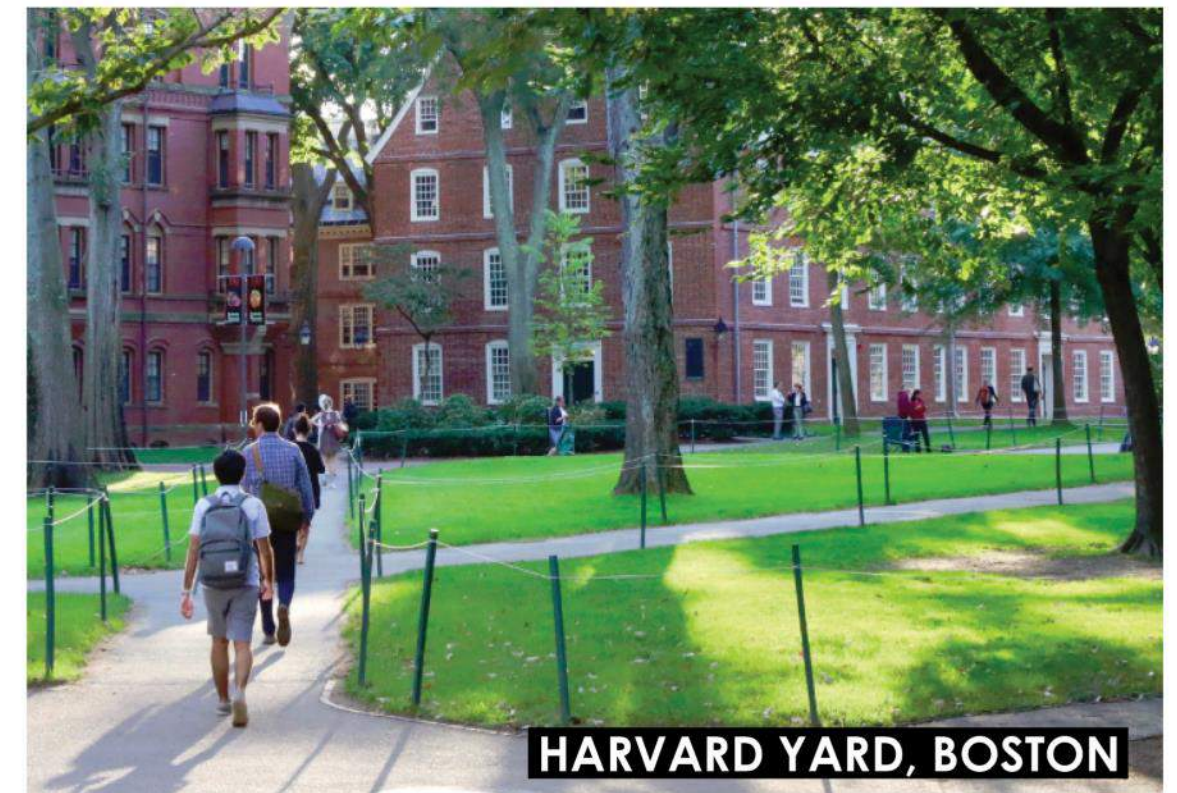
FOR SHRUBS AND LAWN PROTECTION DURING ESTABLISHMENT PERIOD (+/- 1 MONTH PER YEAR)



DORCHESTER SQUARE, MONTREAL



BROOKLYN BRIDGE PARK, NYC



HARVARD YARD, BOSTON



DRAFT

SUSTAINABLE DESIGN APPROACH

- **MAXIMIZE ABSORPTIVE SURFACES: PARK WILL ACT AS A “SPONGE,” IT WILL RETAIN RUNOFF AND MINIMIZE DISCHARGE TO STORM SYSTEM**
- **OPTIMIZE VEGETATION: MAXIMIZE THE USE OF RESILIENT, DROUGHT AND URBAN TOLERANT SPECIES; CONSIDERATION FOR POLLINATORS**
- **PRESERVATION OF EXISTING MATURE TREES**
- **GENEROUS SOIL VOLUMES (>30M² PER TREE)**
- **USE OF DROUGHT TOLERANT ‘ECOLAWN’**
- **CHEMICAL FREE WATER POND**
- **POTENTIAL FOR POND AS STORM WATER DETENTION RESERVOIR**
- **NATURAL WINTER ICE**
- **CANADIAN GRANITE SUPPLY WITH HIGH SOLAR REFLECTANCE**
- **AIMING TO MINIMIZE CONCRETE SURFACES (SPECIFICALLY IN POND BOTTOM)**
- **USE OF LED LIGHTING WITHOUT OVERLIGHTING THE PARK**

