

# TORONTO CENTRAL WATERFRONT

'Leading with Landscape' Symposium

Toronto Waterfront Revitalization Corporation

The Institute for Contemporary Culture, Royal Ontario Museum

08 May 2007

**West 8 + DTAH**

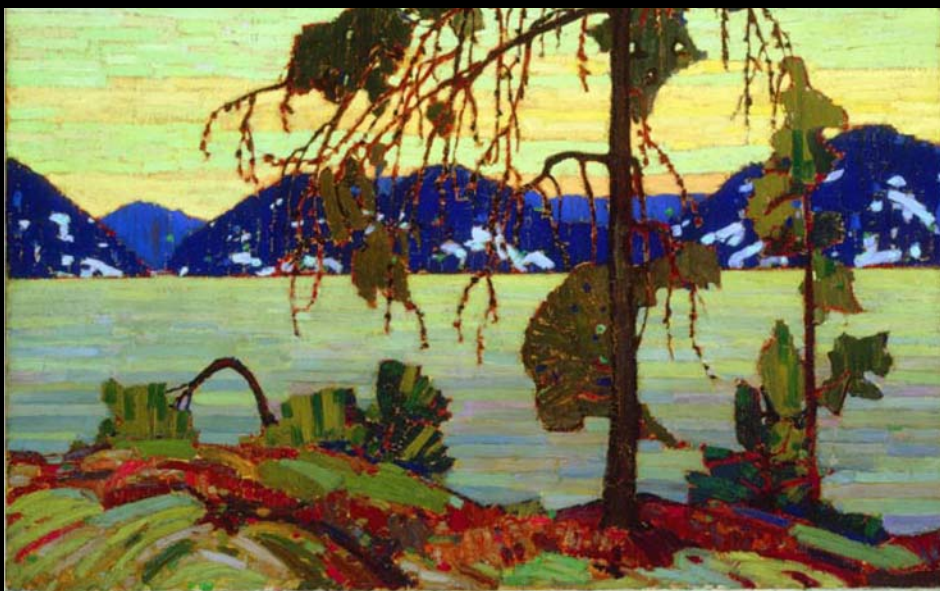


An aerial photograph showing a waterfront area. The left side is dominated by dense green vegetation, possibly a park or forest. The right side shows a blue body of water, likely a bay or harbor. The text is overlaid in the center of the image.

**5,304,100**

**A WATERFRONT FIT FOR THE BIG CITY**











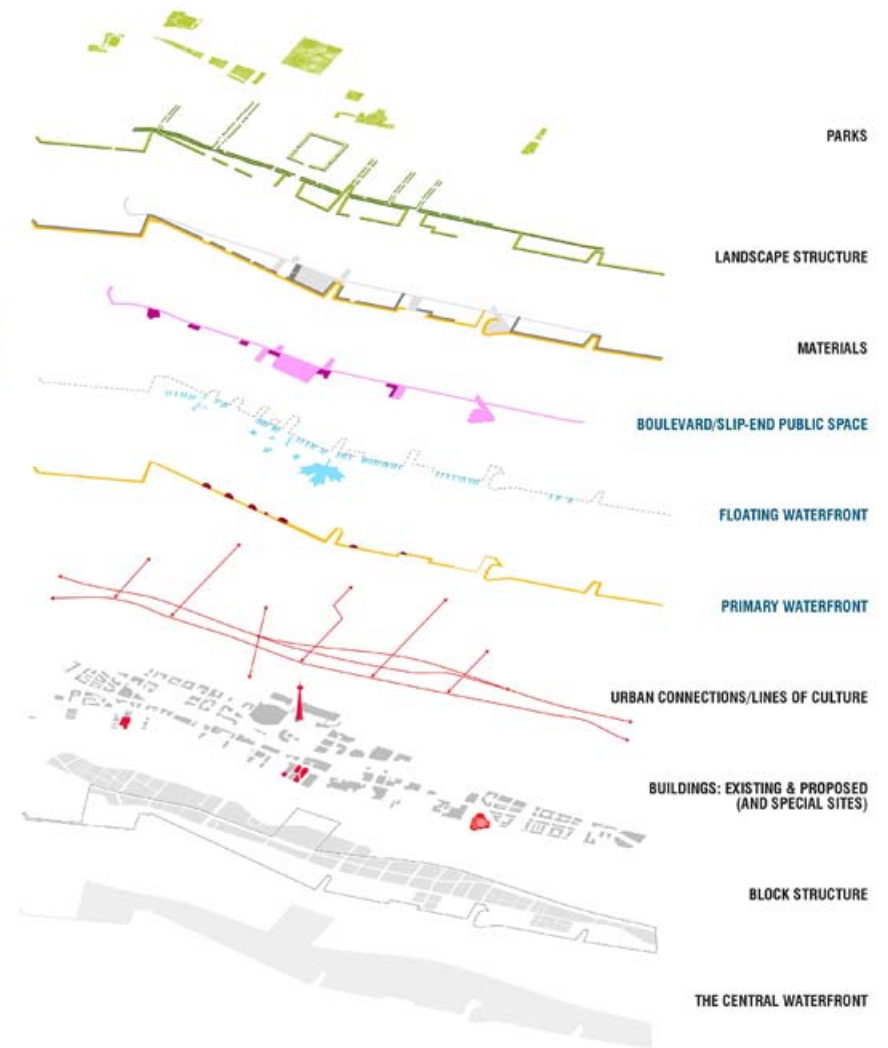






# THE NEW MULTIPLE WATERFRONT

The vision for an expanded experience of the waterfront is composed of three woven waterfront systems: part I – the “Primary Edge,” part II – the “Floating Waterfront” and part III – “Queen’s Quay/Slip-End Boulevard.”



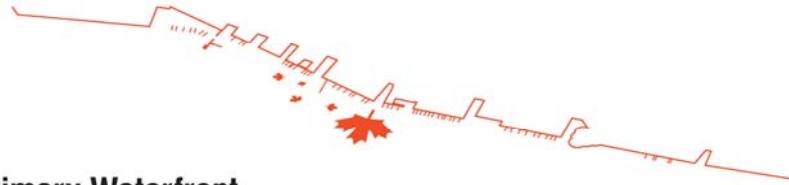


**Boulevard/Slip-Ends**



+

**Floating Waterfront**

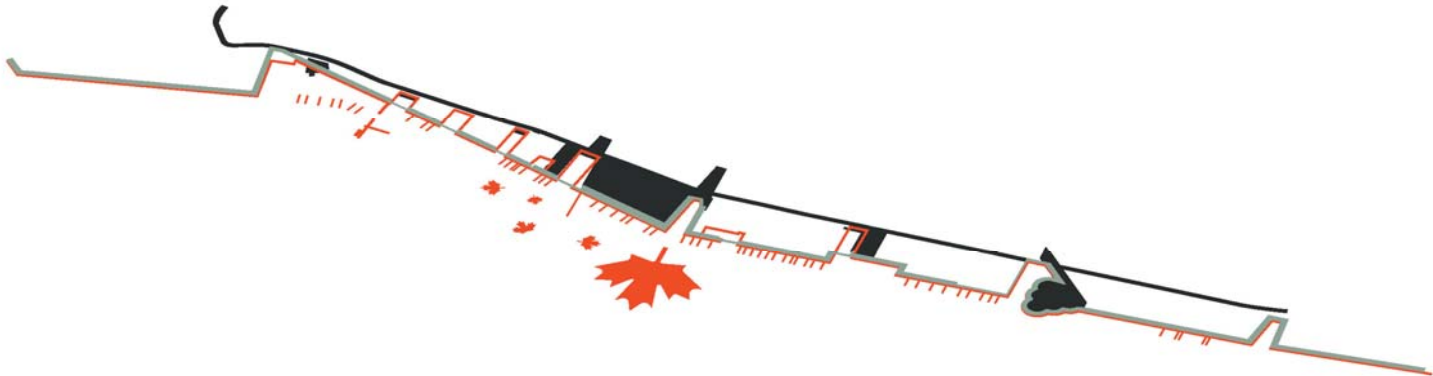


+

**Primary Waterfront**



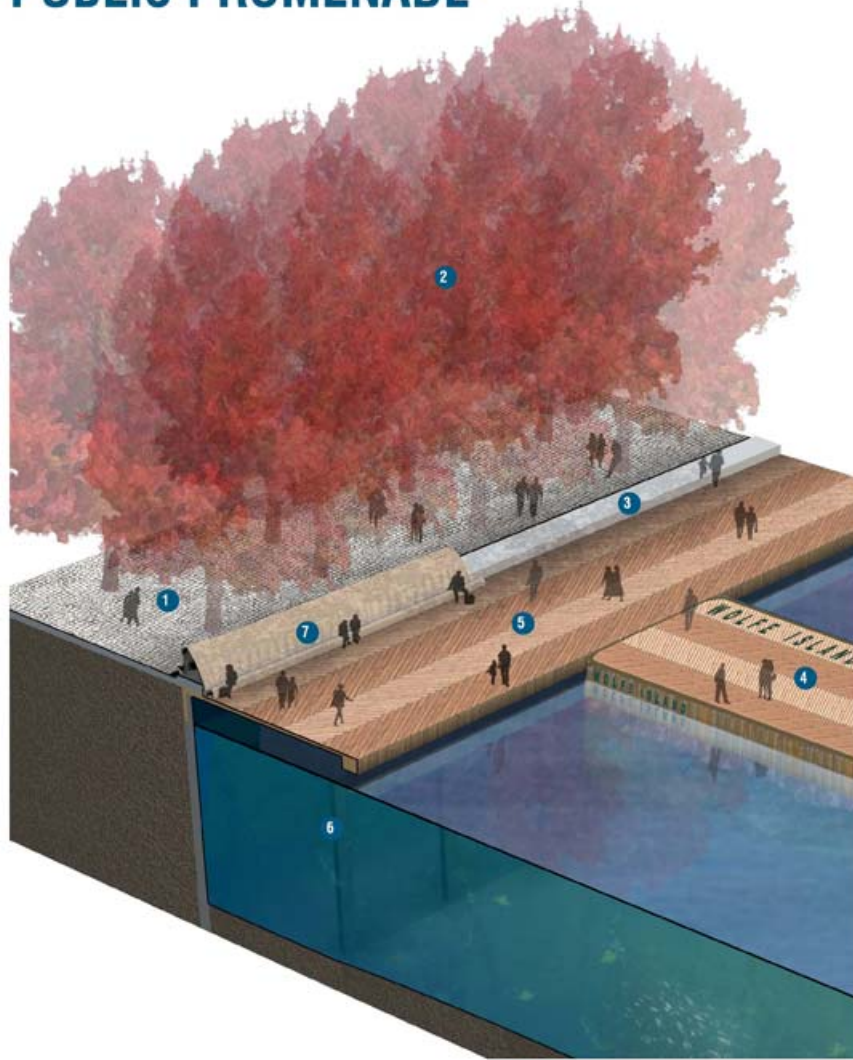
**Woven, Multiple Waterfront =**







## PUBLIC PROMENADE



# 18m

MINIMUM PUBLIC ROW

- 1 Granite paved promenade (min. 10m ROW)
- 2 Double row of Maples
- 3 Granite capstone step/bench
- 4 Pontoon (see Part II: "Floating Waterfront" section)
- 5 Wooden boardwalk (min. 8m, Douglas fir with herringbone pattern)
- 6 Column supports for catilevered boardwalk
- 7 Wood linear bench (double-sided, see Part I.I: "Elements")





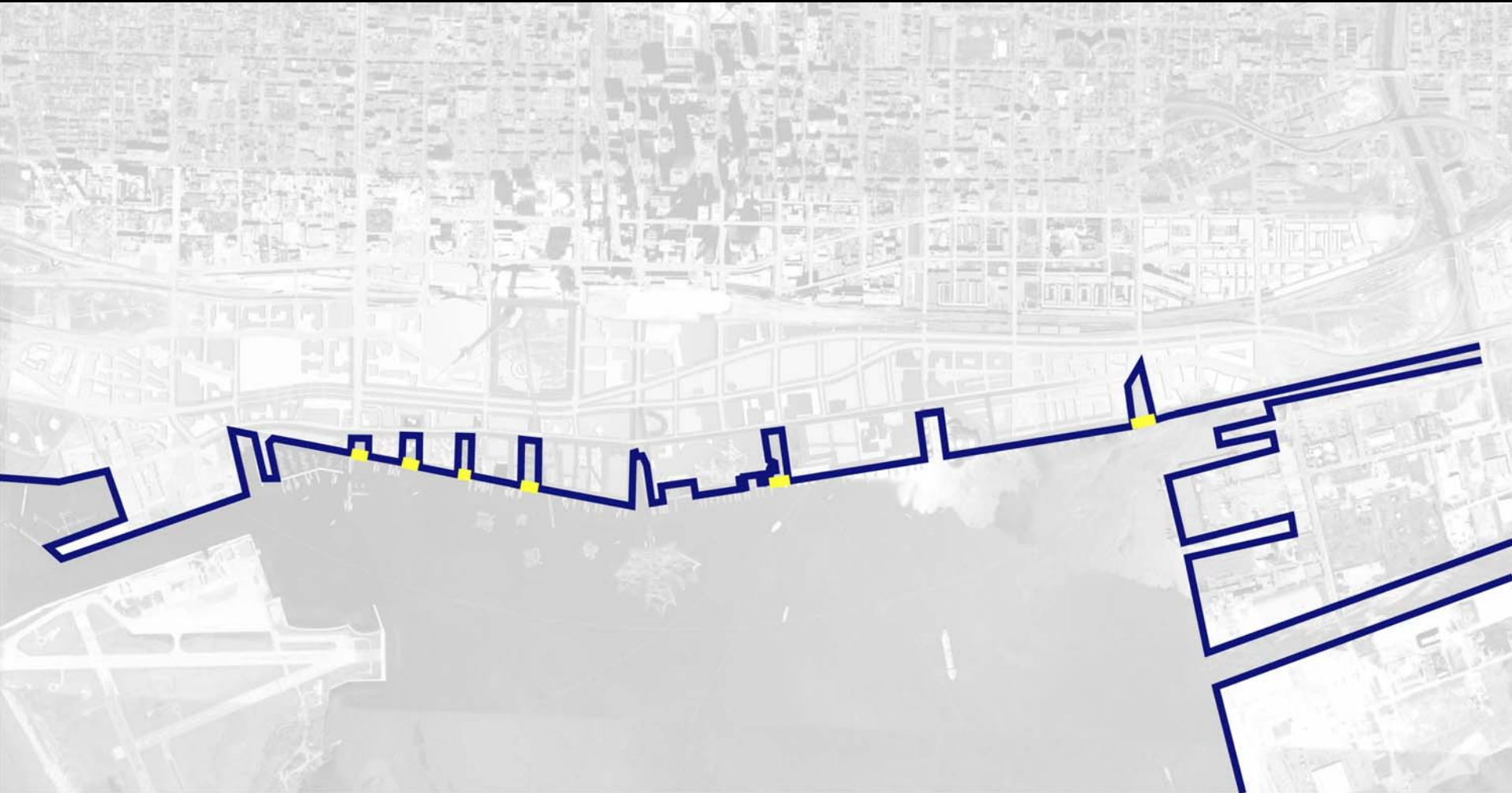


# WATERFRONT PROMENADE





# SLIP BRIDGES





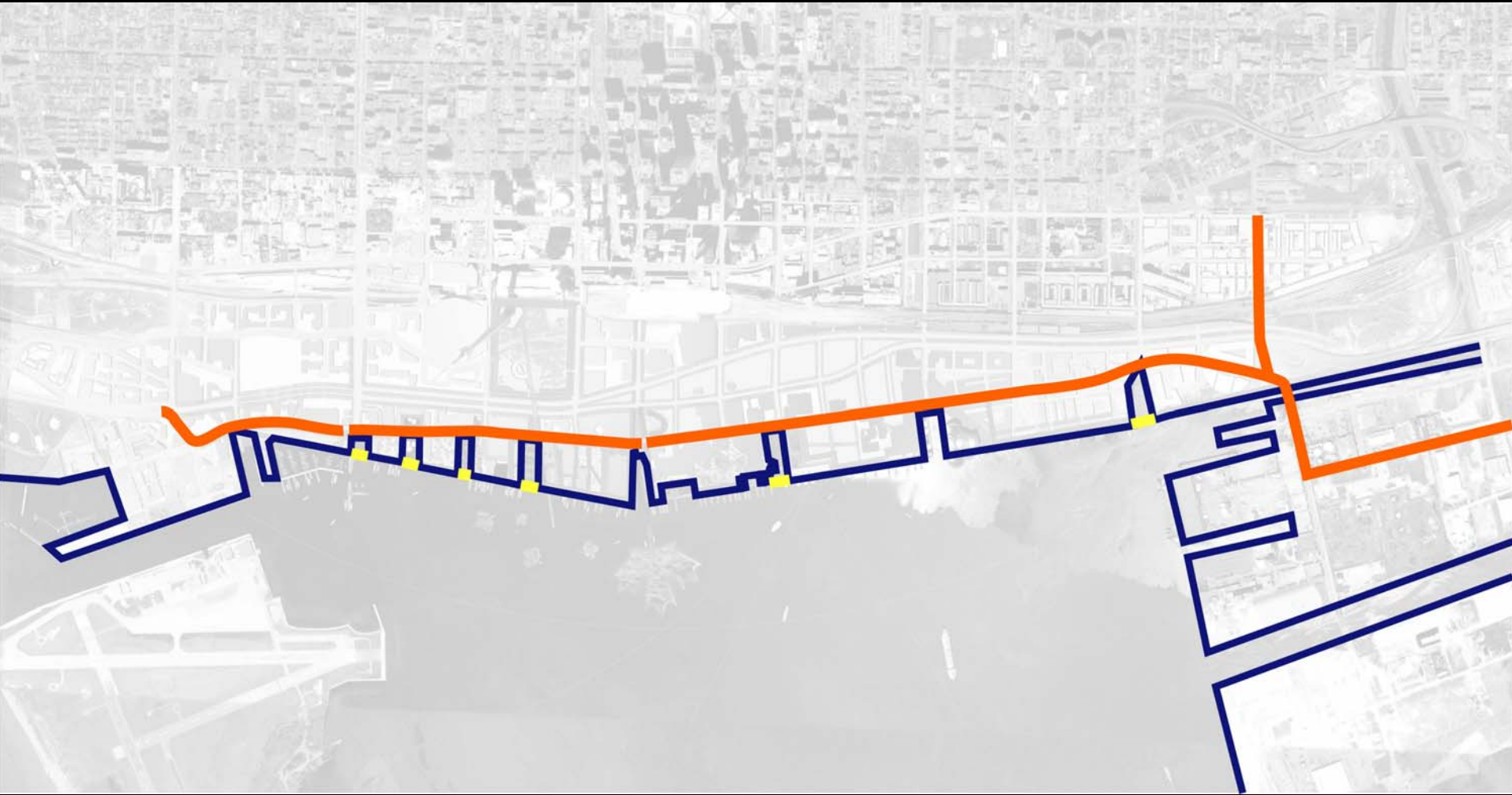








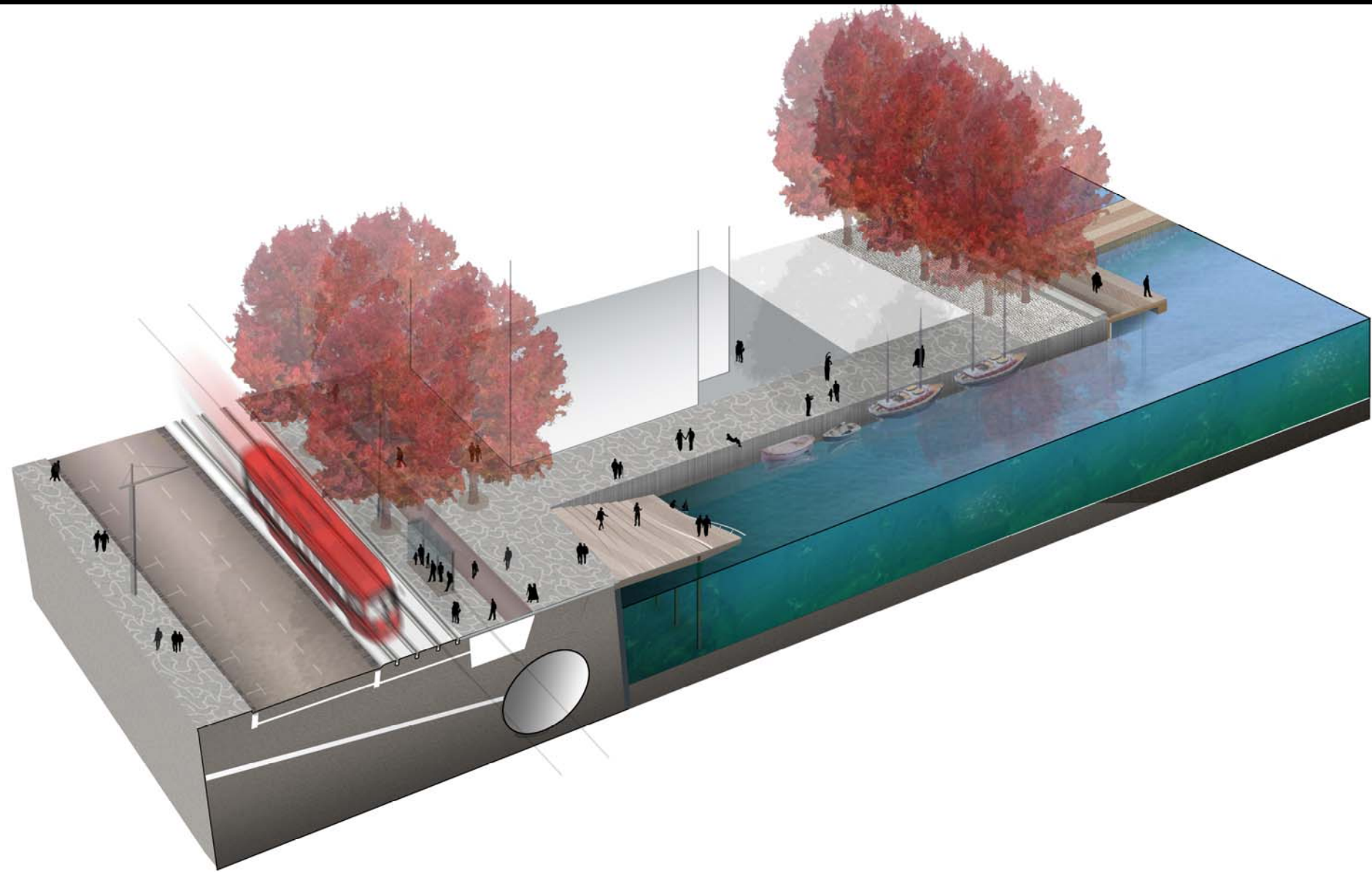
# QUEENS QUAY PROMENADE













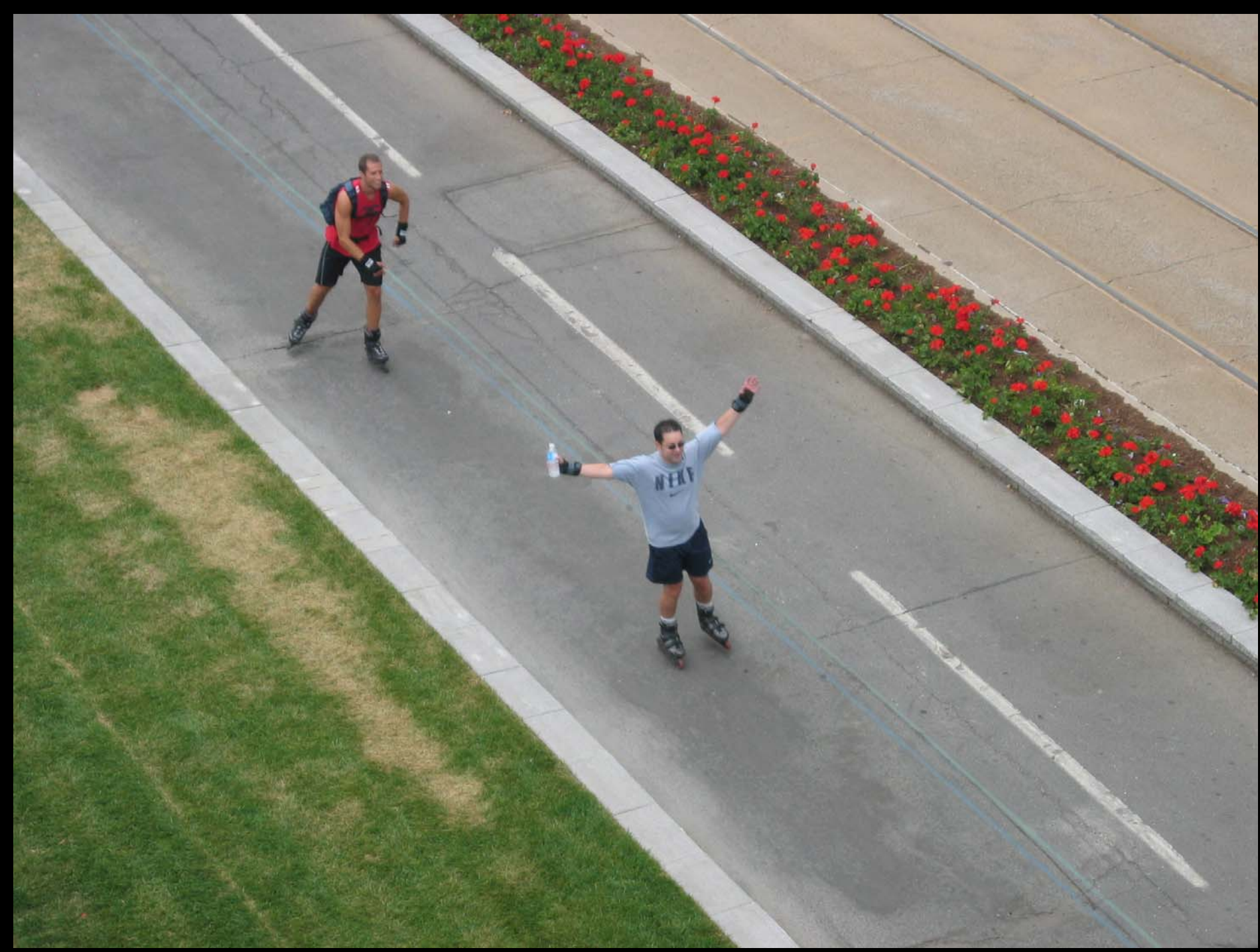
















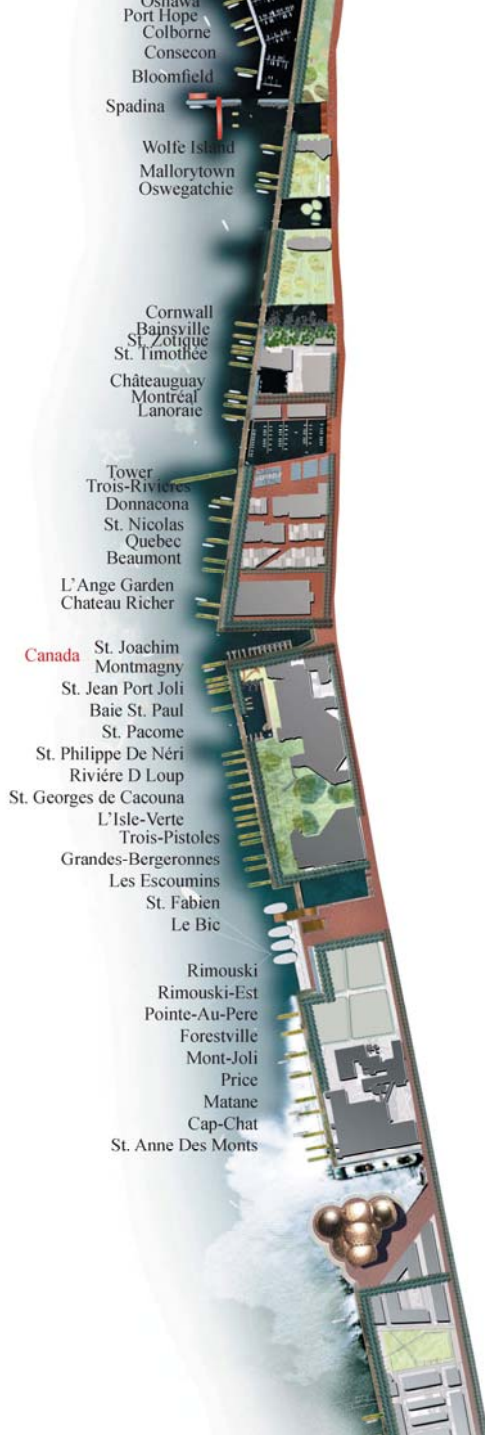


# FLOATING WATERFRONT

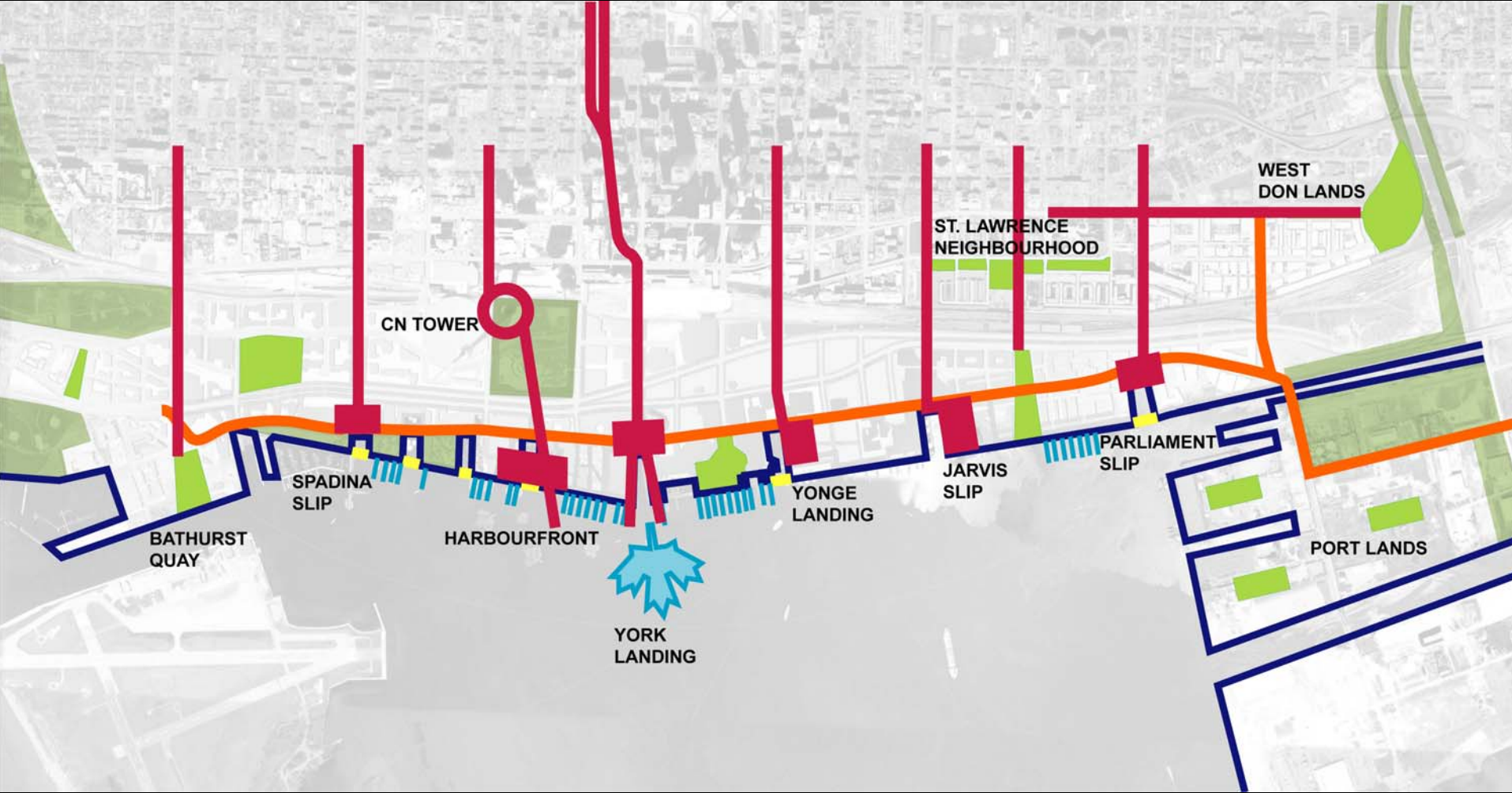








# CIVIC ARMATURE





# PHASE ONE IMPLEMENTATION: SPADINA HEAD OF SLIP QUEENS QUAY

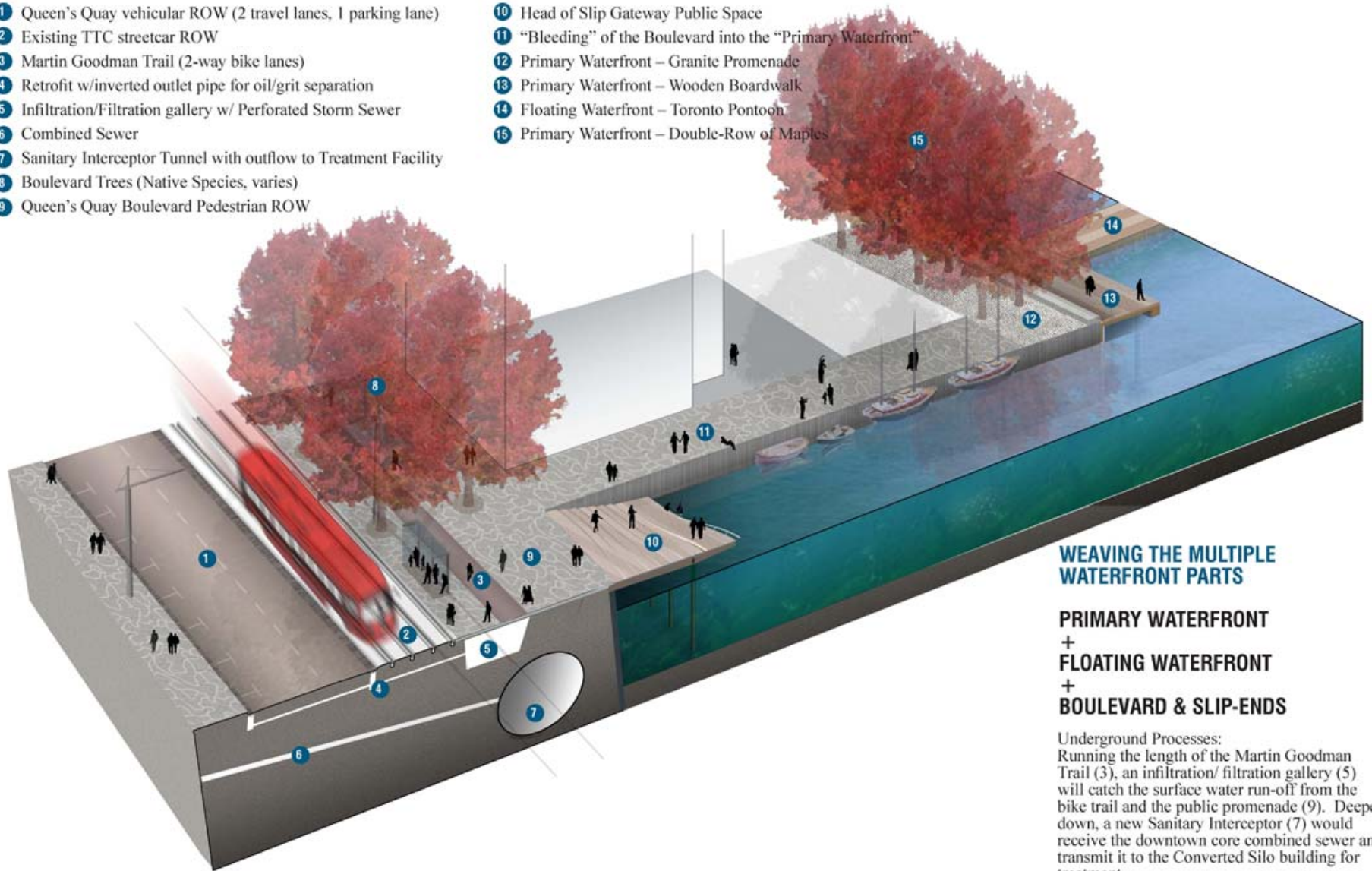






- 1 Queen's Quay vehicular ROW (2 travel lanes, 1 parking lane)
- 2 Existing TTC streetcar ROW
- 3 Martin Goodman Trail (2-way bike lanes)
- 4 Retrofit w/inverted outlet pipe for oil/grit separation
- 5 Infiltration/Filtration gallery w/ Perforated Storm Sewer
- 6 Combined Sewer
- 7 Sanitary Interceptor Tunnel with outflow to Treatment Facility
- 8 Boulevard Trees (Native Species, varies)
- 9 Queen's Quay Boulevard Pedestrian ROW

- 10 Head of Slip Gateway Public Space
- 11 "Bleeding" of the Boulevard into the "Primary Waterfront"
- 12 Primary Waterfront – Granite Promenade
- 13 Primary Waterfront – Wooden Boardwalk
- 14 Floating Waterfront – Toronto Pontoon
- 15 Primary Waterfront – Double-Row of Maples



## WEAVING THE MULTIPLE WATERFRONT PARTS

**PRIMARY WATERFRONT  
+  
FLOATING WATERFRONT  
+  
BOULEVARD & SLIP-ENDS**

Underground Processes:  
Running the length of the Martin Goodman Trail (3), an infiltration/ filtration gallery (5) will catch the surface water run-off from the bike trail and the public promenade (9). Deeper down, a new Sanitary Interceptor (7) would receive the downtown core combined sewer and transmit it to the Converted Silo building for treatment.

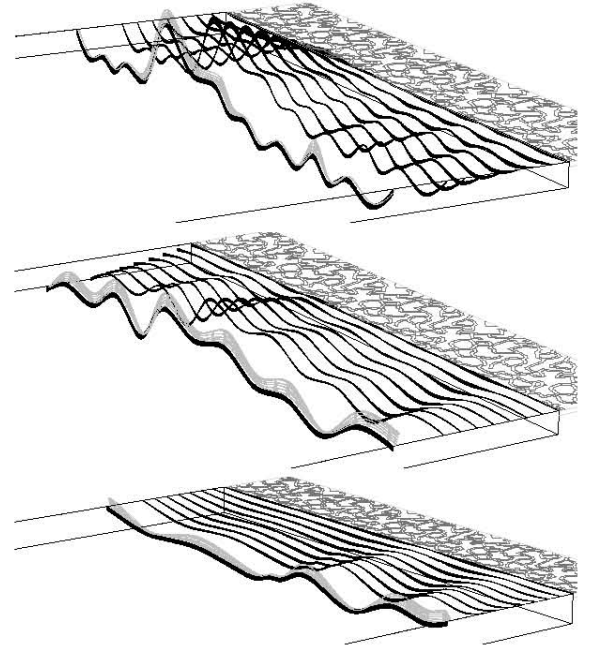
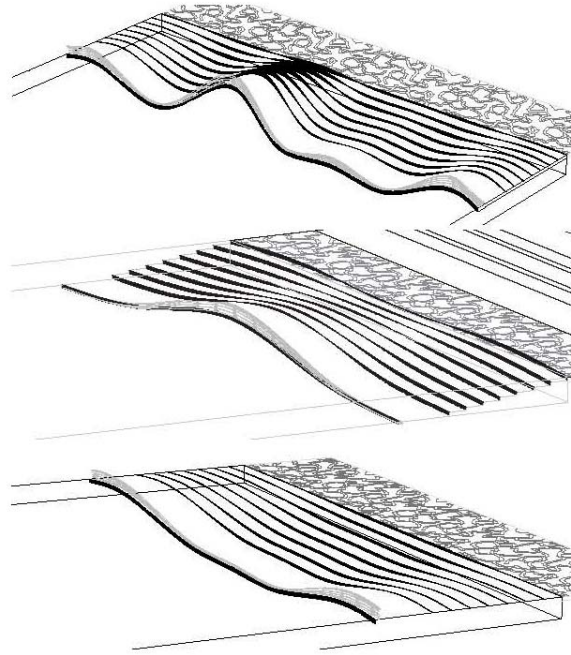
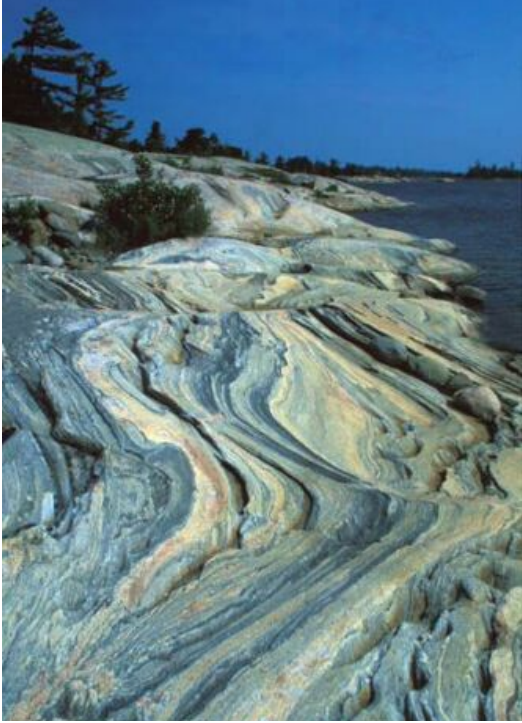
# HEADS OF SLIPS

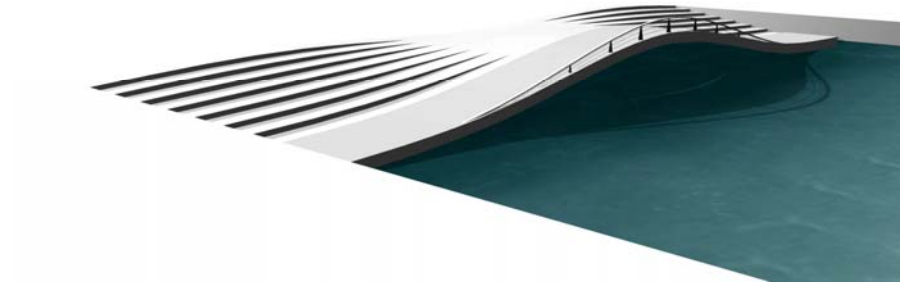
## PUBLIC SPACE DESIGN

Seven steps to the lake. A simple articulation of the change in level between the Boulevard and the water is explored through a series of variations at the heads of slips. With utmost restraint, a new public space gateway is generated where the city kisses the lake, inspired by the sinuous contours of the shoreline.

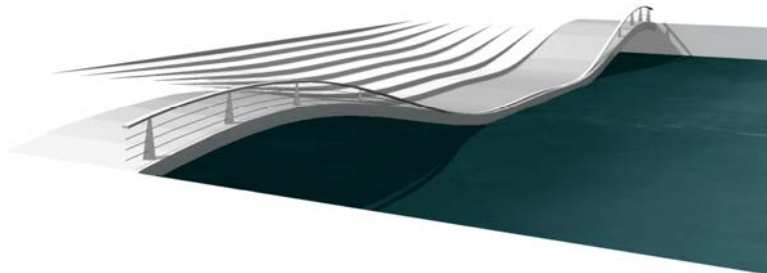




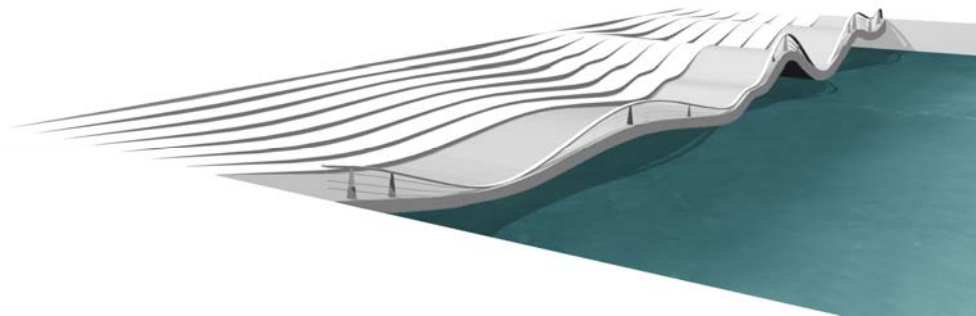




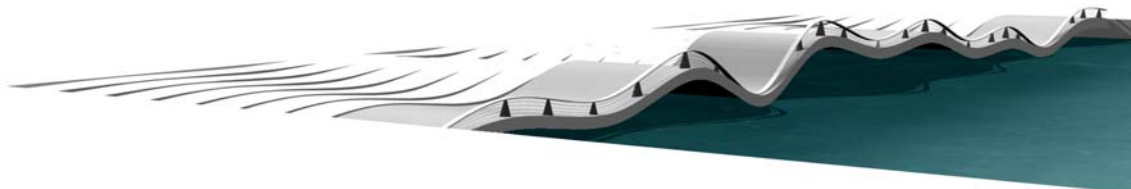
**SPADINA SLIP**



**REES SLIP**



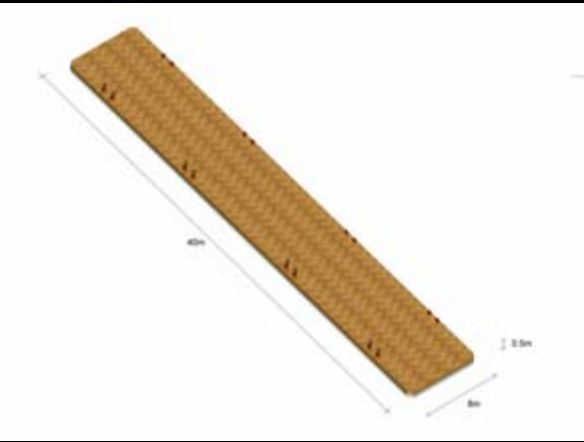
**PORTLAND SLIP**



**SIMCOE SLIP**



# Timber Waterfront

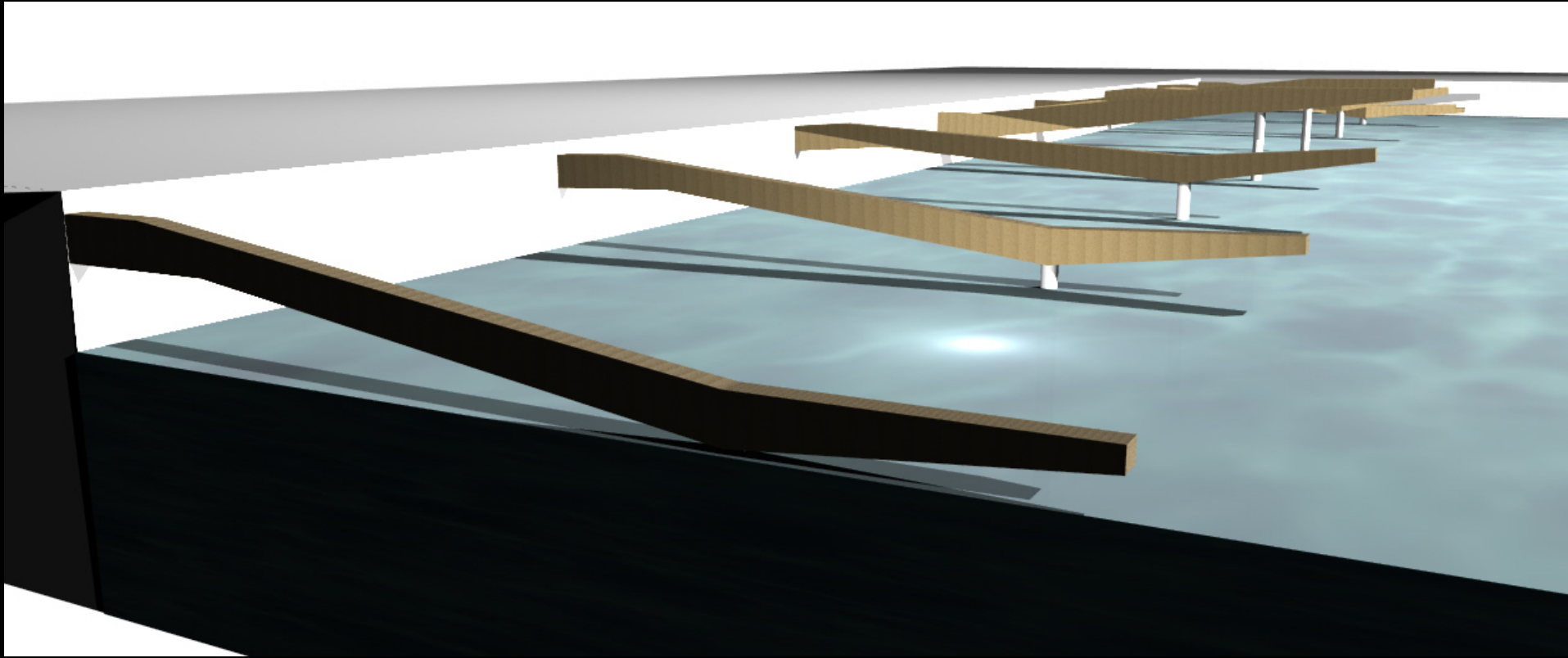


Existing Condition

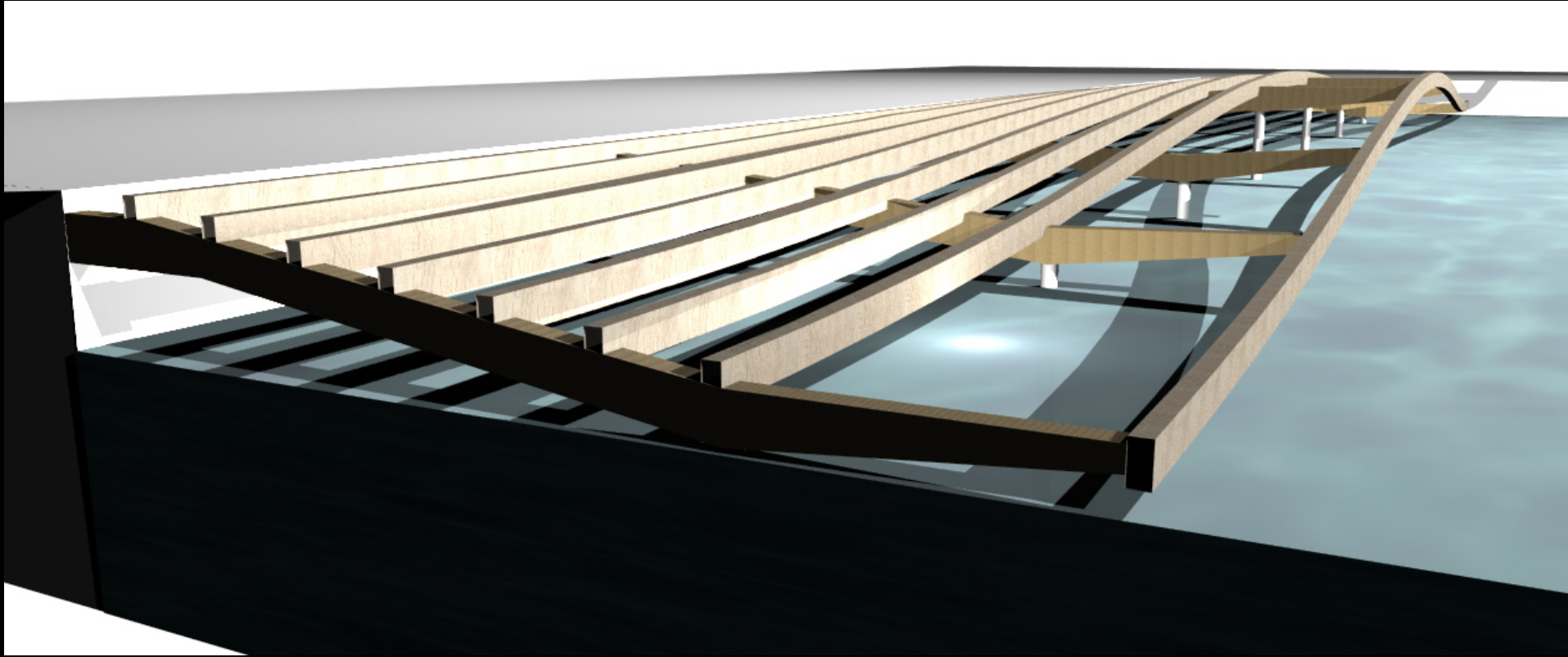




Primary Structure – Timber (or Steel)

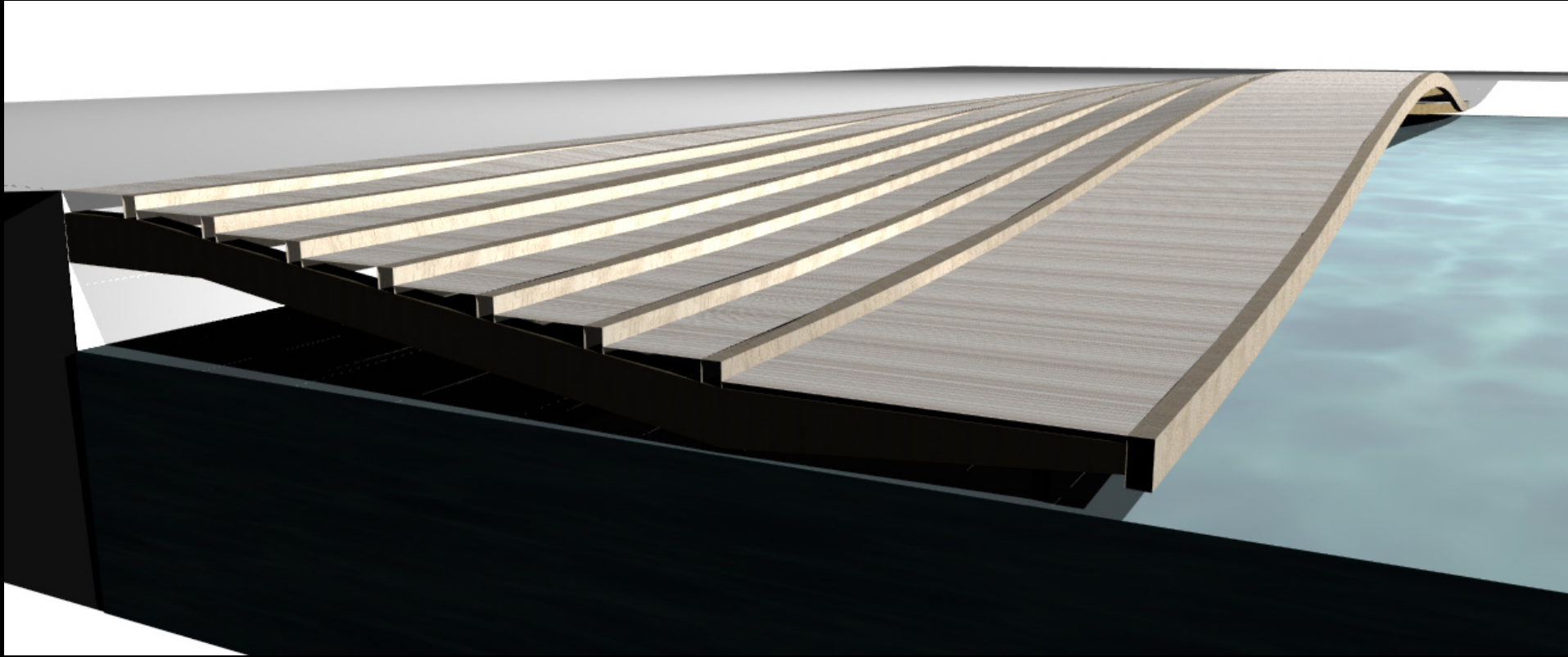


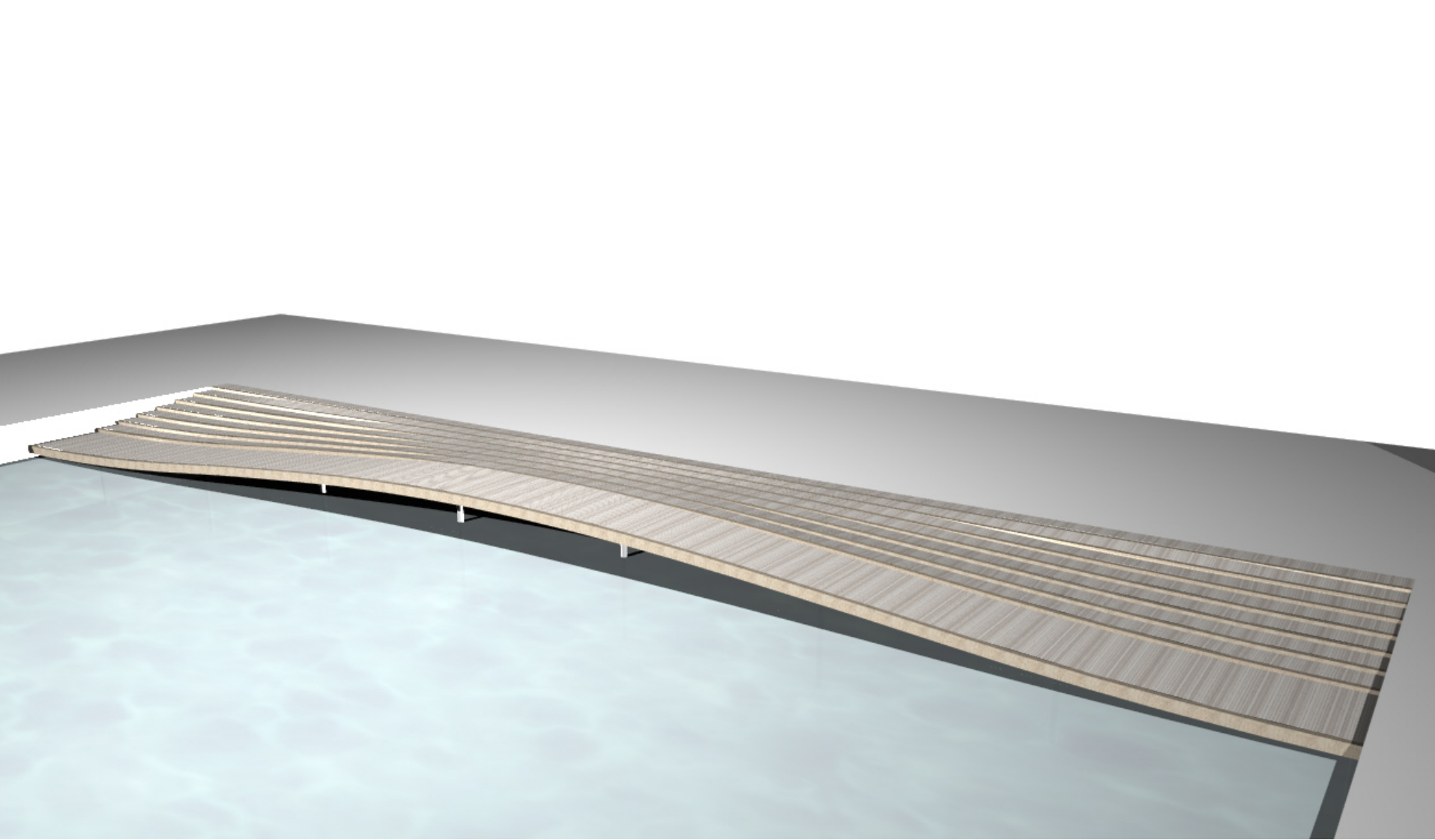
Secondary Structure – Timber (Douglas Fir)





Top Decking – Timber (Douglas Fir)





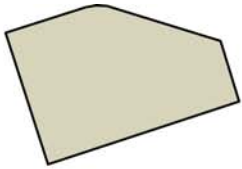


# Scale Comparison



Music Garden

7200m  
2



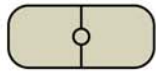
Dundas Square

4175m  
2



Cloud Gardens

2420m  
2



NHL Hockey Rink

1524m  
2



Courthouse Square

1125m  
2



Spadina Head-of-Slip Deck

720m  
2



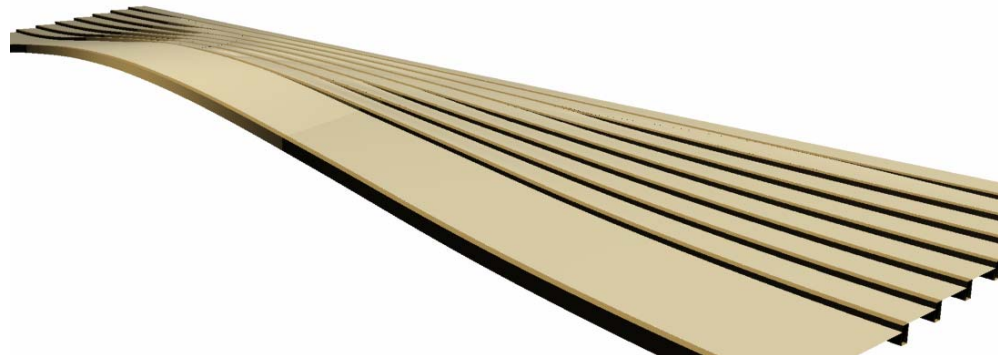
NBA Basketball Court

437m  
2



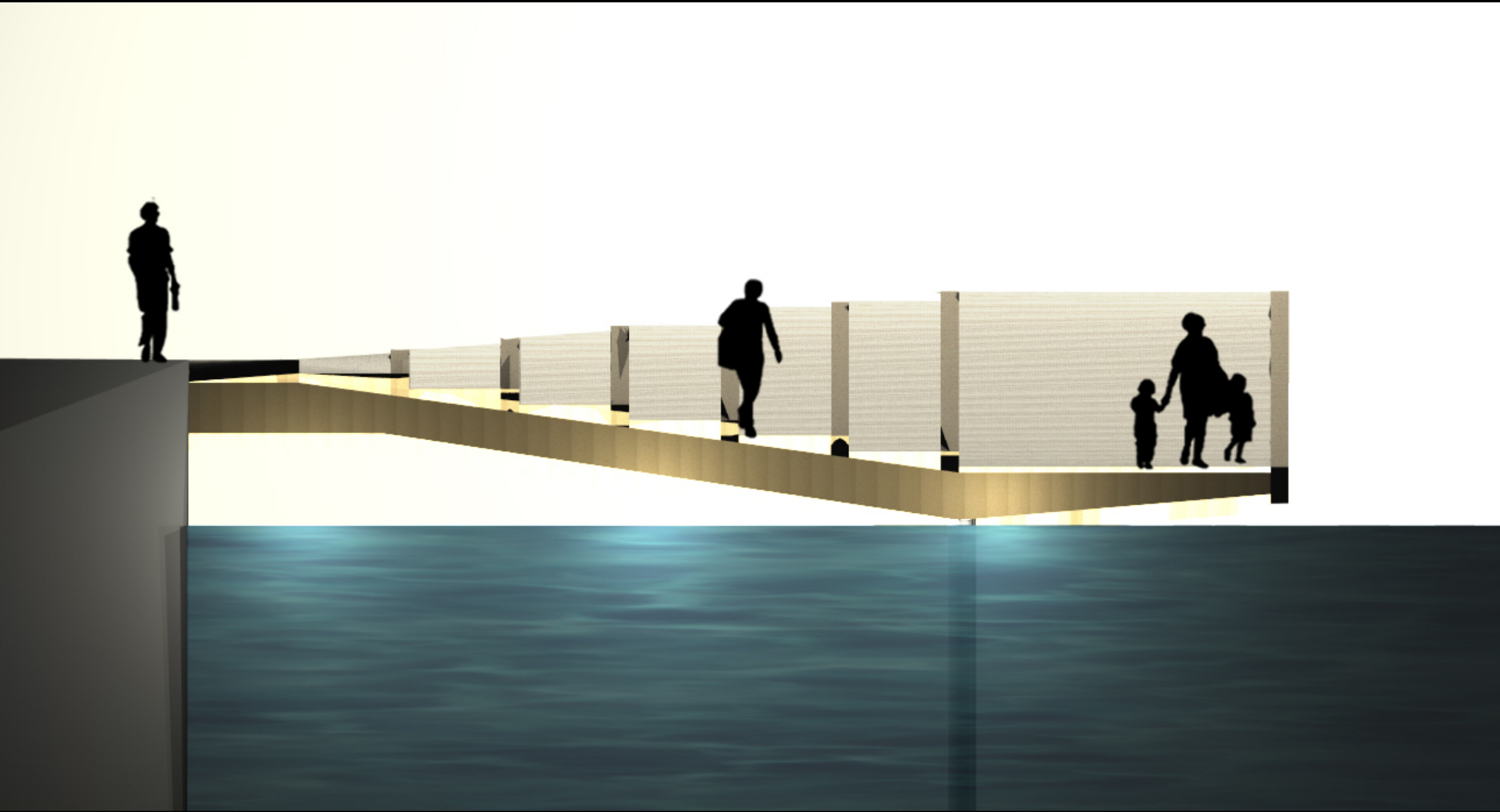
Paley Park, NYC

390m  
2









View North







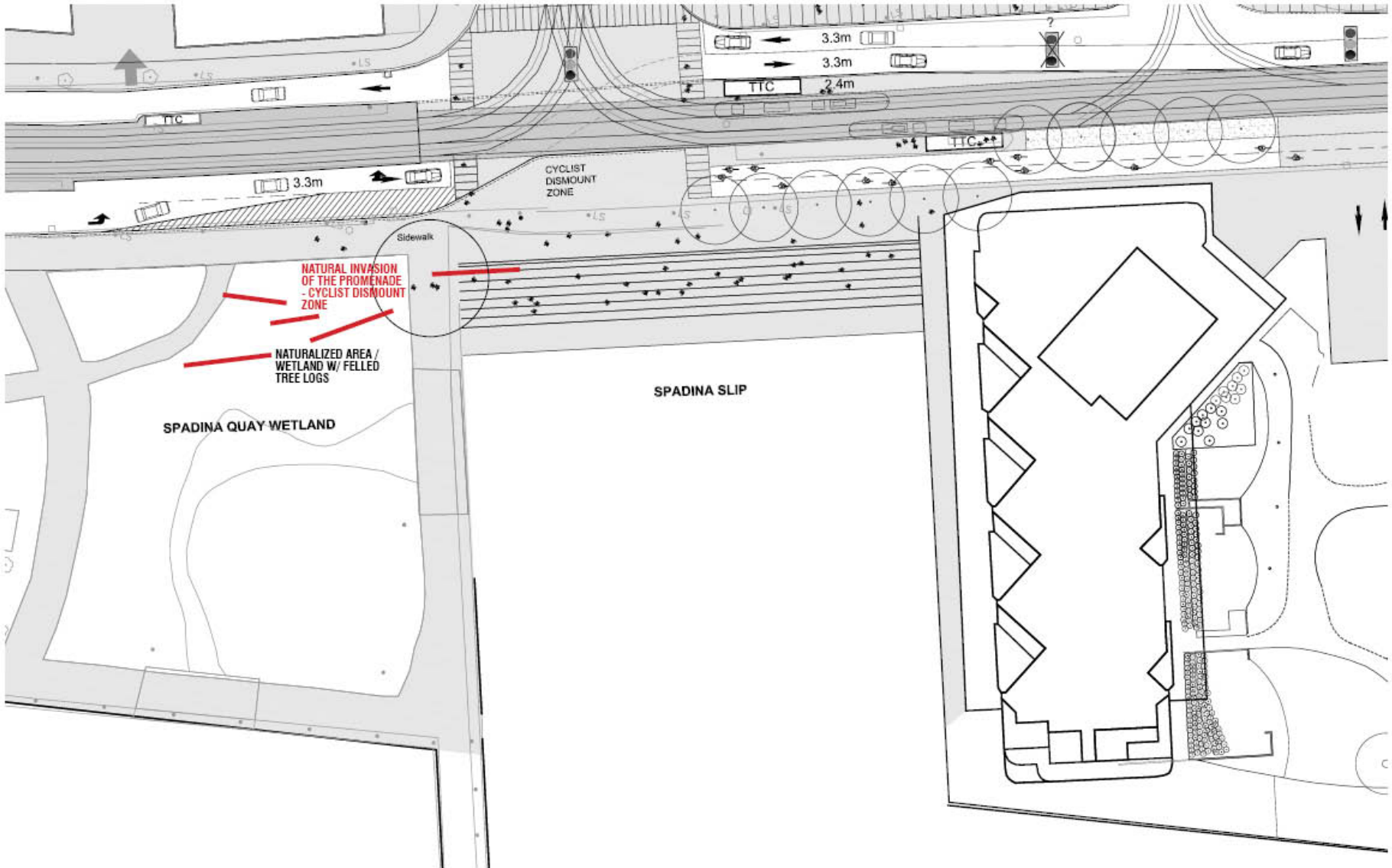












NATURAL INVASION  
OF THE PROMENADE  
- CYCLIST DISMOUNT  
ZONE

NATURALIZED AREA /  
WETLAND W/ FELLED  
TREE LOGS

SPADINA QUAY WETLAND

SPADINA SLIP

Sidewalk

CYCLIST  
DISMOUNT  
ZONE

TTC

TTC

3.3m

3.3m

3.3m

2.4m

“The Underworld”

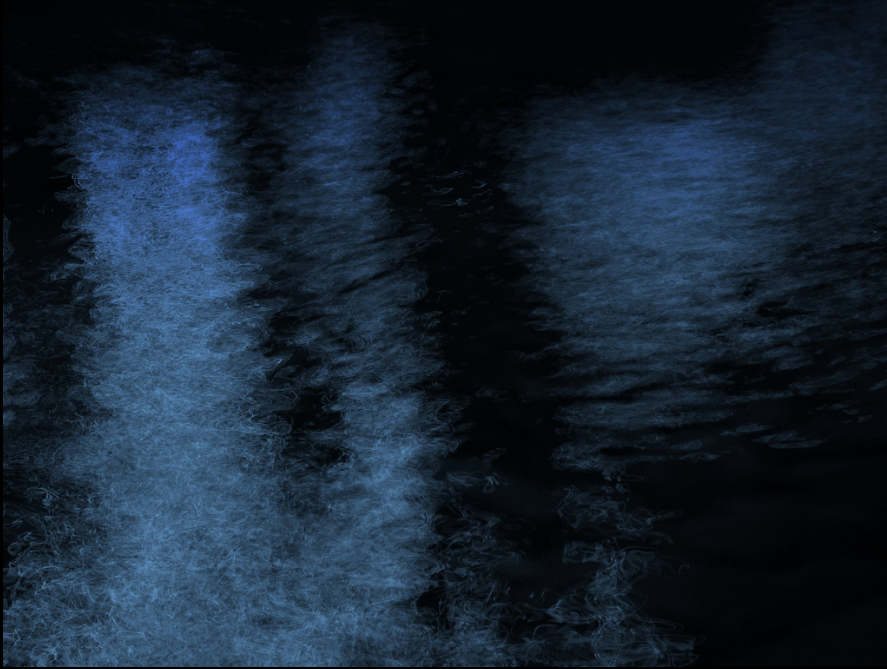




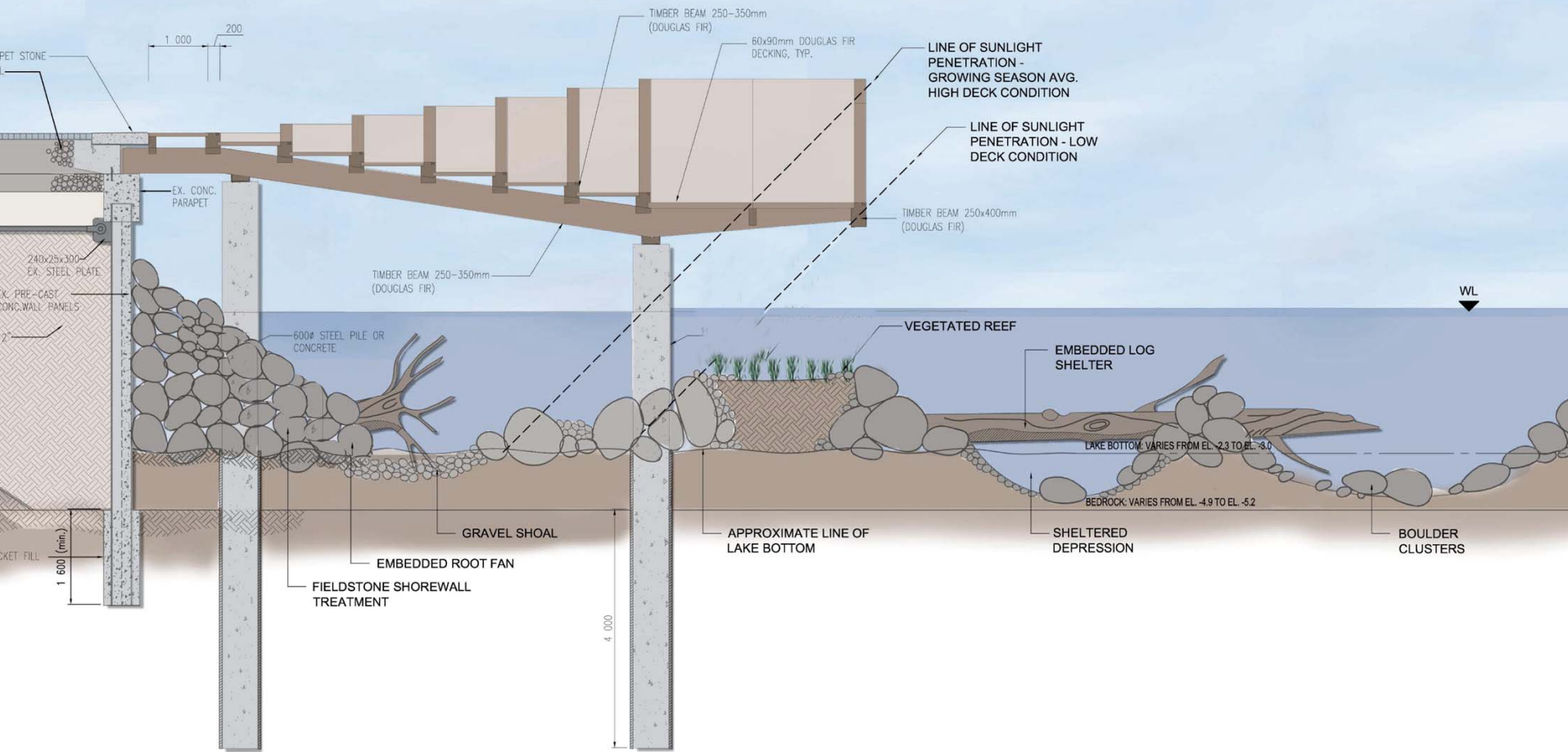
## Lighting: Underwater Aquatic Attractors



Lighting: Change between Surface & Depth



# Underwater aquatic habitat restoration Sensory public experience





# View East



# View South-East



# View West





