

Statements

1. There exists a clear image of the Canadian lakefront; however, what is Toronto's identity and relation to the water? How can we promote the authentic Canadian lakefront within the metropolis?

2.

- Connectivity along the lakefront
- Connectivity to the hinterland
- Representation of identities and cultures on the waterfront
- Stitching & weaving the waterfront and its tracks

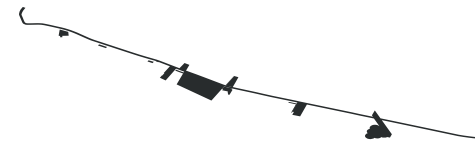
3. Sustainability

- Biotopes
- Stormwater
- Durable timber detailing
- Moonlight lighting
- Clean water
- Aquatic habitat
- Accessibility
- Public transit and bikes
- "Green Foot"
- Native Trees, robust landscape

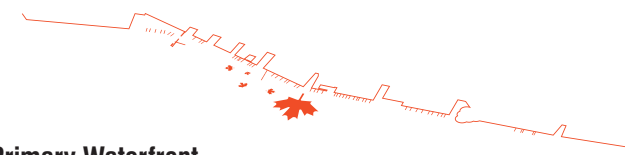


DESIGN TEAM:
WEST8
DUTOIT ALLSOPP HILLIER
SCHOLLEN & COMPANY
DIAMOND + SCHMITT ARCHITECTS
ARUP
HALSALL ASSOCIATES
DAVID DENNIS DESIGN

Boulevard/Slip-Ends



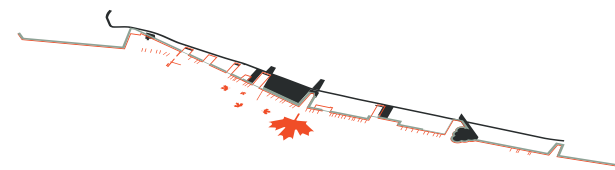
Floating Waterfront



Primary Waterfront

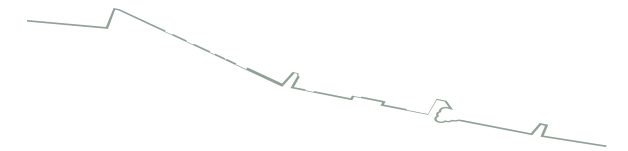


Woven, Multiple Waterfront =

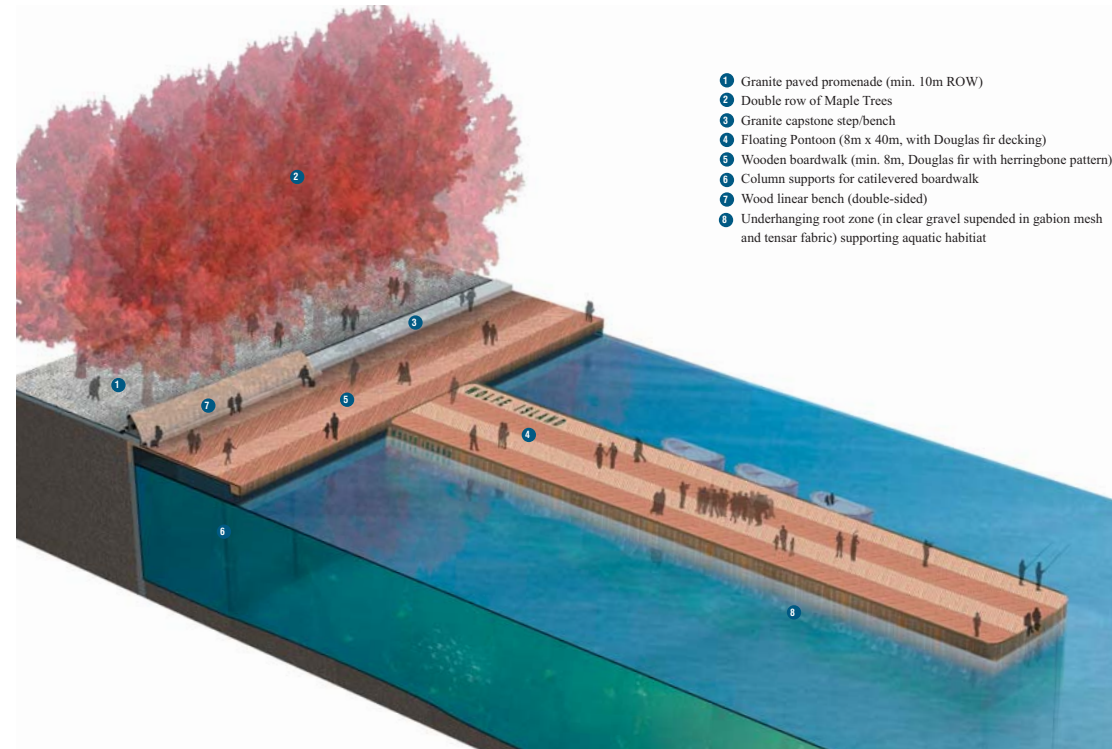


1 Primary Waterfront

WATER'S EDGE
PUBLIC PROMENADE



18m
MINIMUM PUBLIC ROW



- 1 Granite paved promenade (min. 10m ROW)
- 2 Double row of Maple Trees
- 3 Granite capstone step/bench
- 4 Floating Pontoon (8m x 40m, with Douglas fir decking)
- 5 Wooden boardwalk (min. 8m, Douglas fir with herringbone pattern)
- 6 Column supports for cantilevered boardwalk
- 7 Wood linear bench (double-sided)
- 8 Underhanging root zone (in clear gravel suspended in gabion mesh and tensor fabric) supporting aquatic habitat

A generous dimension for the Primary Waterfront is essential to establish the appropriate metropolitan scale of the lakefront. An 18m ROW is the new minimum standard width for the water's edge promenade. This dimension is necessary to accommodate the ideal section, based upon: the minimum spacing of trees to allow for a dense, green promenade with adequate room for trees to establish a solid root zone; the allowance for a mix of different types of movement including walking, jogging and in-line skating; and the appropriate diversity of spatial quality that allows for shade and protection within the tree canopy and the openness and exposure along the lake edge.

The promenade is public and continuous, extending the length of the central waterfront. It must adapt to a range of existing contexts and conditions; therefore, its section is changing and flexible. However, a consistency and coherence remains through the material treatment along its entire length. The promenade is formed by two principal parts: a granite promenade along the existing quay wall, plus a slightly lowered cantilevered wooden boardwalk that extends over the water. These two parts work as a pair, to ensure that a generous dimension is maintained.



THE "GREEN FOOT" VIEWED FROM THE BAY



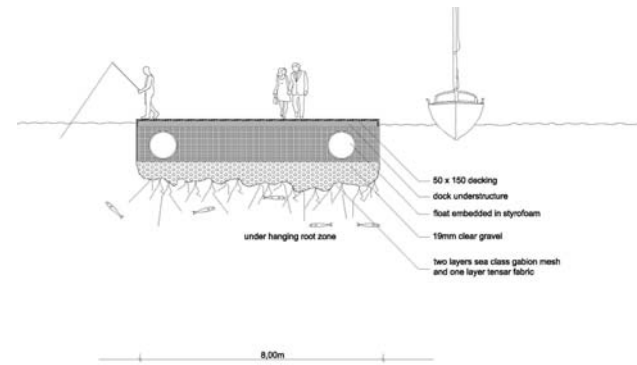
VIEW ACROSS THE WOODEN BOARDWALK TO THE FLOATING WATERFRONT



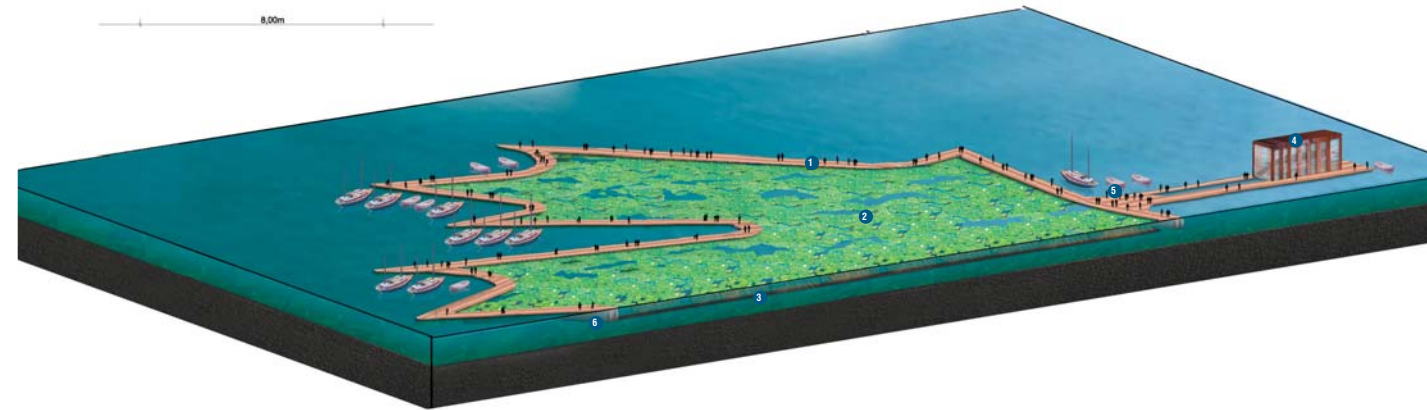
VIEW ACROSS THE WOODEN BOARDWALK TO THE FLOATING WATERFRONT

2 Floating Waterfront

THE CITY'S NEW FLOATING SHORELINE



- 1 Maple Leaf Loop Boardwalk (XXkm Loop walkway, wooden deck)
- 2 Water-lily floating wetland
- 3 Filter curtain
- 4 'The Stem' Restaurant/Cafe with inner water garden and lookout
- 5 Water taxi stop
- 6 Ballast tank float



MORNING JOG AND PADDLE AROUND THE FLOATING LEAF ISLAND



TIMBER PEDESTRIAN BRIDGE CROSSING OVER YONGE SLIP TO THE NEW FERRY TERMINAL

EACH FLOATING PONTOON IS NAMED AFTER A TOWN OR CITY FOLLOWING THE LAKESHORE ALONG THE ST. LAWRENCE RIVER TO THE ATLANTIC



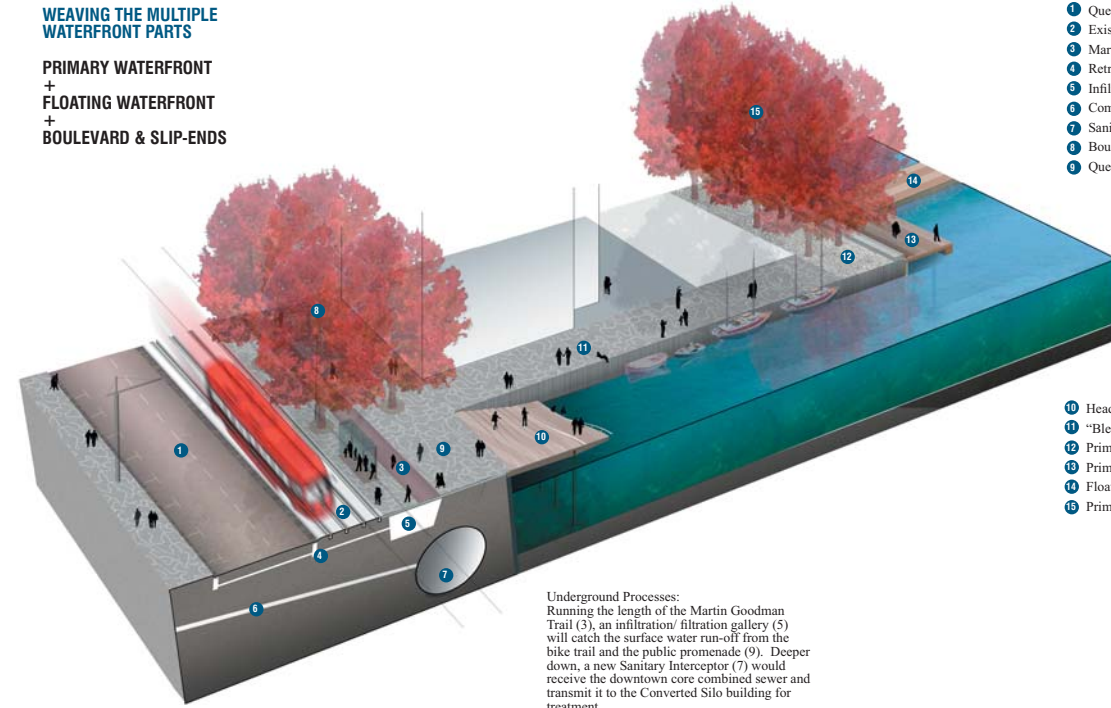
The Maple Leaf icon is designed as a large floating island that supports a robust community of floating submergent plants (water-lilies). Filter curtains are proposed to extend from the boardwalk that surrounds the wetland to the lake bottom. Stormwater from the proposed York Street overflow outlet from the biofilter system will be piped to the wetland for treatment. The filter curtains will serve to contain suspended solids and contaminants within the wetland to enhance treatment efficiency.

3 Boulevard/Slip-Ends

QUEEN'S QUAY BLVD. STREETScape & DESIGN OF SLIP-END PUBLIC SPACES

WEAVING THE MULTIPLE WATERFRONT PARTS

PRIMARY WATERFRONT + FLOATING WATERFRONT + BOULEVARD & SLIP-ENDS



- 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

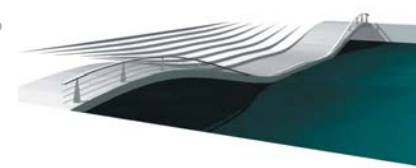
- 10 Head of Slip Gateway Public Space
- 11 "Bleeding" of the Boulevard into the "Primary Waterfront"
- 12 Primary Waterfront - Granite Promenade
- 13 Primary Waterfront - Wooden Boardwalk
- 14 Floating Waterfront - Toronto Pontoon
- 15 Primary Waterfront - Double-Row of Maples

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.

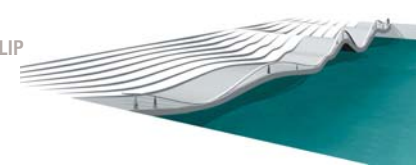
SPADINA SLIP



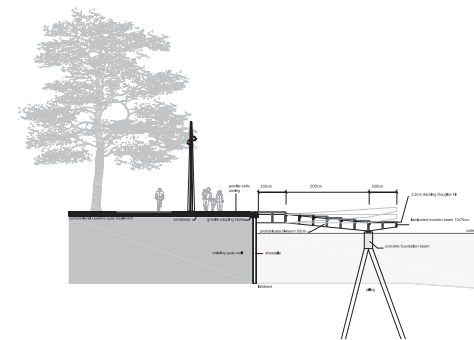
REES SLIP



SIMCOE SLIP



PORTLAND SLIP



4 Culture from the City

LINES OF CULTURE FROM THE HINTERLAND
CLAIM AN ADDRESS WITHIN THE WATERFRONT



VIEW FROM UNDER THE BOULEVARD TREES



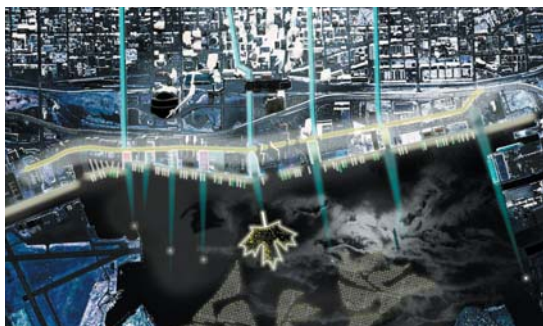
VIEW EAST ALONG QUEEN'S QUAY BLVD. AT THE MUSIC GARDEN



VIEW OVER THE SLIP HEAD AT INTERFACE WITH THE BOULEVARD



SPADINA SLIP AT NIGHT



LIGHT PROJECTIONS FROM THE SLIP-ENDS AT NIGHT



UNIVERSITY AVENUE/YORK STREET
The city's avenue of civic representation is articulated with the national symbol: the maple leaf. The new park also features a wooden column with a statue of Simcoe.



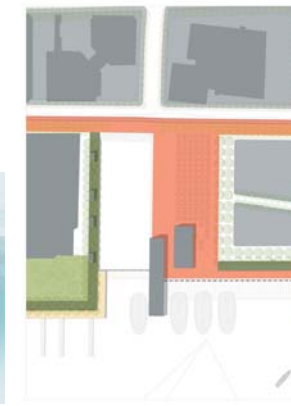
CN TOWER TO THE WATER!
The new park with its stair makes a monumental descent from the CN Tower to the lake, embedding the previously "footless" landmark into the city and the waterfront.



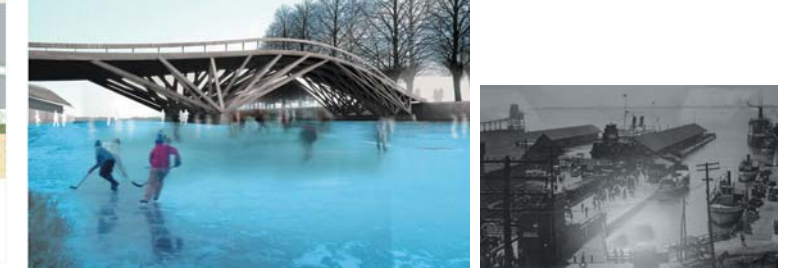
HARBOUR DISTRICT
At the foot of the downtown the Harbour District introduces a smaller grain of urban tissue.



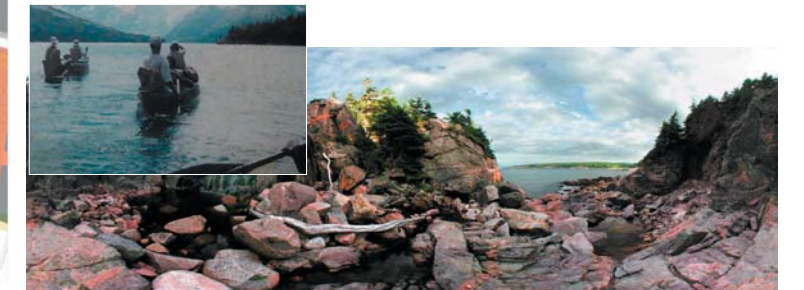
JARVIS STREET
Landmark Institution as the eastern "bookend" for the Central Waterfront.



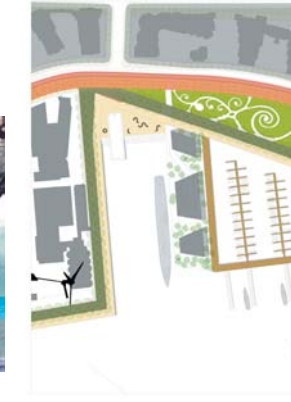
YONGE STREET
The longest street in the world ends at the new ferry terminal and market building, reconstructing the historic Yonge Wharf structures.



REES SLIP
An ideal Canadian Shield shoreline and the canoe and kayak basin will reflect a more distant past...



SPADINA
Reflecting in the water, the archway, pier and floating restaurant suggest an extension of the Chinatown out into the lake. A sign of the city's multiple cultures...



PORTLAND DISTRICT
The iconic Canada Malting Silos are retrofitted as a water filtration plant where the ecological processes are made publicly visible.





Little Norway Park

HTO West/Little Norway Park Extension

Western Channel

Children's Playground & Swimming Pool

Silo-Filter Water Filtration Plant & Nightclub

Portland Slip

HMCS Haida Battleship

Music Garden

Future Trudeau Memorial Park

Ecological HTO

Spadina Slip-Head

HTO Original

HTO Urban Beach

Timber Boardwalk

Peter Slip

Rees Slip

Queen's Quay Boulevard

Rees Slip-Head

Canoe / Kayak Launch

Bivh and Fir Forest

Hydraulic Bridge

Floating Chinatown

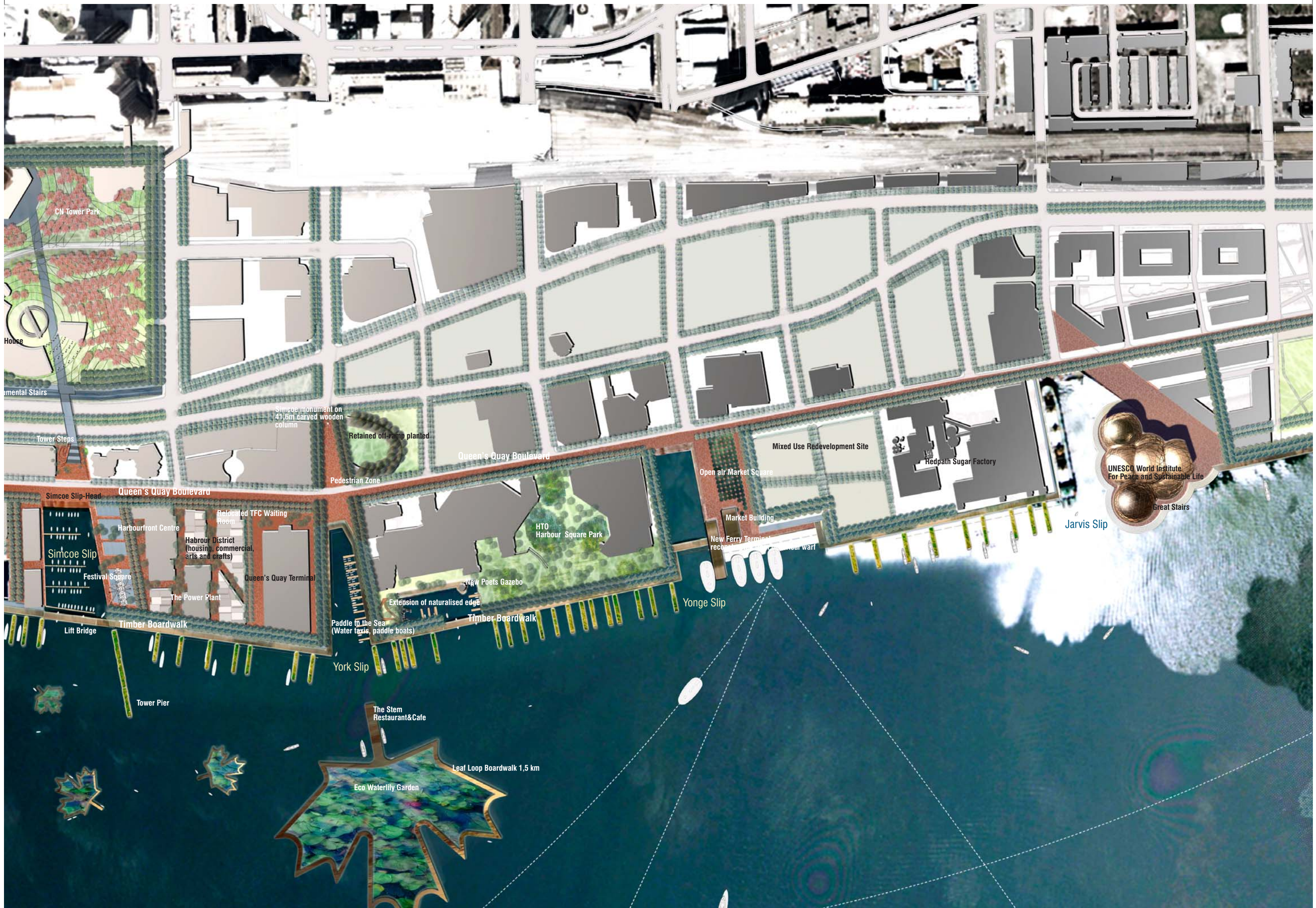
"0" Arch

Lions

The Round

Monte

Relocated Nautical Centre



CN Tower Park

House

amental Stairs

Tower Steps

Simcoe monument on 41.6m carved wooden column

Retained off-ramp planted

Pedestrian Zone

Queen's Quay Boulevard

Mixed Use Redevelopment Site

Redpath Sugar Factory

UNESCO World Institute For Peace and Sustainable Life

Great Stairs

Jarvis Slip

Simcoe Slip-Head

Queen's Quay Boulevard

Simcoe Slip

Harbourfront Centre

Relocated TFC Waiting Room

Harbour District (housing, commercial, arts and crafts)

Queen's Quay Terminal

The Power Plant

HTO Harbour Square Park

Market Building

New Ferry Terminal reconstruction

Yonge Slip

N&W Poets Gazebo

Extension of naturalised edge

Timber Boardwalk

Paddle to the Sea (Water taxis, paddle boats)

York Slip

Timber Boardwalk

Lift Bridge

Tower Pier

The Stem Restaurant & Cafe

Leaf Loop Boardwalk 1.5 km

Eco Waterlily Garden

