

**PORT**

**2024**

June 2019

# Port Lands Flood Protection Community Consultation

**LANDS**

Canada

 Ontario

 **TORONTO**

  
WATERFRONTToronto

# **Project Overview**

**Chris Glaisek**  
**Chief Planning & Design Officer**  
**Waterfront Toronto**



Don River

Corktown Common

CN Tower

Union Station

Don Valley Parkway / Lake Shore Blvd

Queens Quay

Leasing Channel

Old Cherry Street

Common's Green Street

Don Boundary

Ship Channel

The Hearn

Tommy Thompson Park

Billy Bishop Airport

Inner Harbour

Cherry Beach

Centre Island

Port Lands Flood Protection Project Boundary

*River Don Straightening.*  
**PLAN**

Spelling wants to be expurgated.

$$\frac{d}{dt} \int_{\Omega} \rho \, dx = 0$$

2<sup>nd</sup> Division Boston Infantry  
J. L. Thompson  
Aug 7<sup>th</sup> 1861

*There is no national flag of the national  
and the only flag of the national*





# Earthworks/Flood Protection

- A Cherry Street Stormwater and Lakefilling
- B Polson Slip Naturalization
- C Flood Protection - River Valley
- D Don Greenway (Spillway & Wetland)
- E Don Roadway Valley Wall Feature
- F East Harbour Flood Protection Land Form
- G Sediment and Debris Management Area
- H Flow Control Weirs
- I Eastern Avenue Flood Protection
- J Villiers Island Grading
- K Keating Channel Modifications
- L Brementory Park South
- M River Park
- N Lake Shore Road and Rail Bridge Modifications
- O Cherry Street Bridge North
- P Cherry Street Bridge South
- Q Commissioners Street Bridge
- R Old Cherry Street Bridge Demolition
- S Site Wide Municipal Infrastructure
- T Don Roadway
- U Hydro One Integration
- V Commissioners Street
- W Cherry Street Re-alignment

- Port Lands Flood Protection and Enabling Infrastructure Boundary
- Earthworks/Flood Protection
- Parks
- Bridges & Structures
- Roads and Municipal Infrastructure

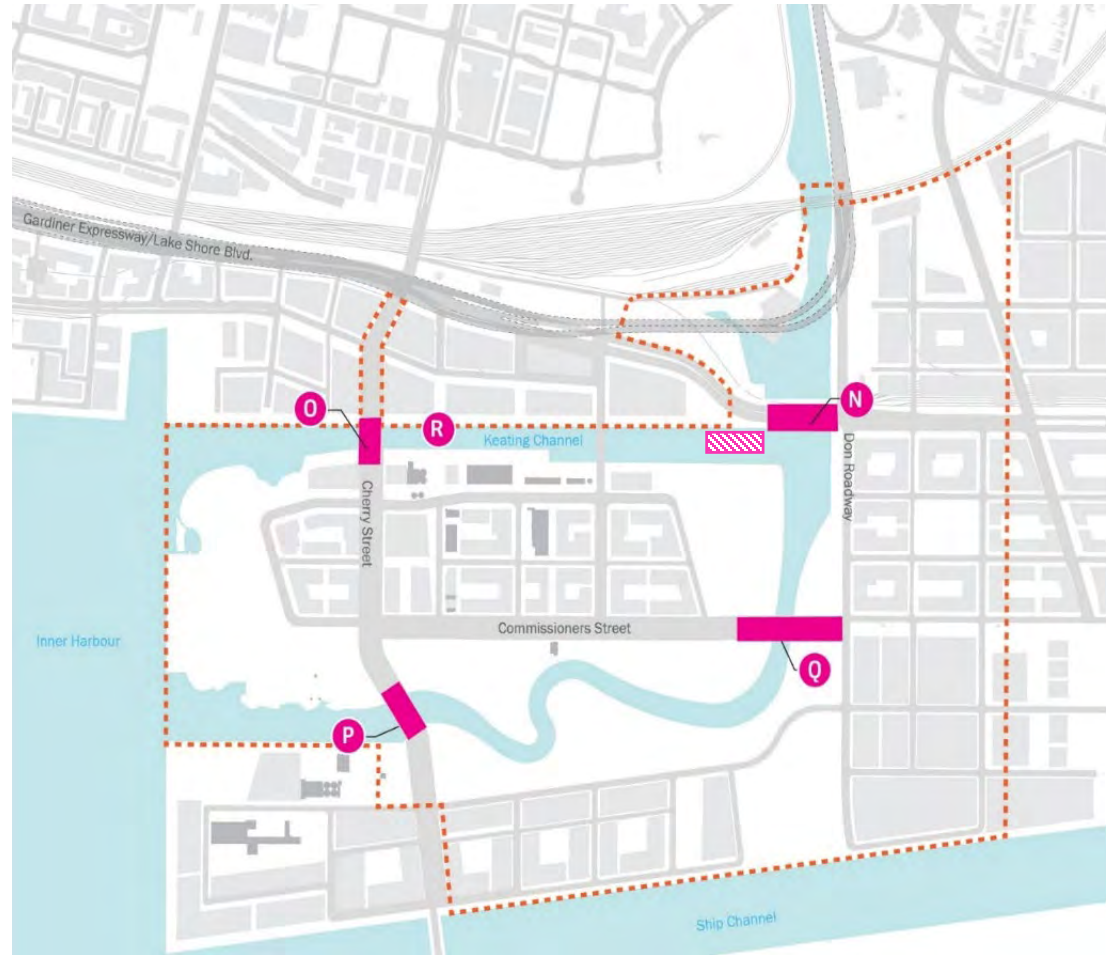


# Bridges & Structures

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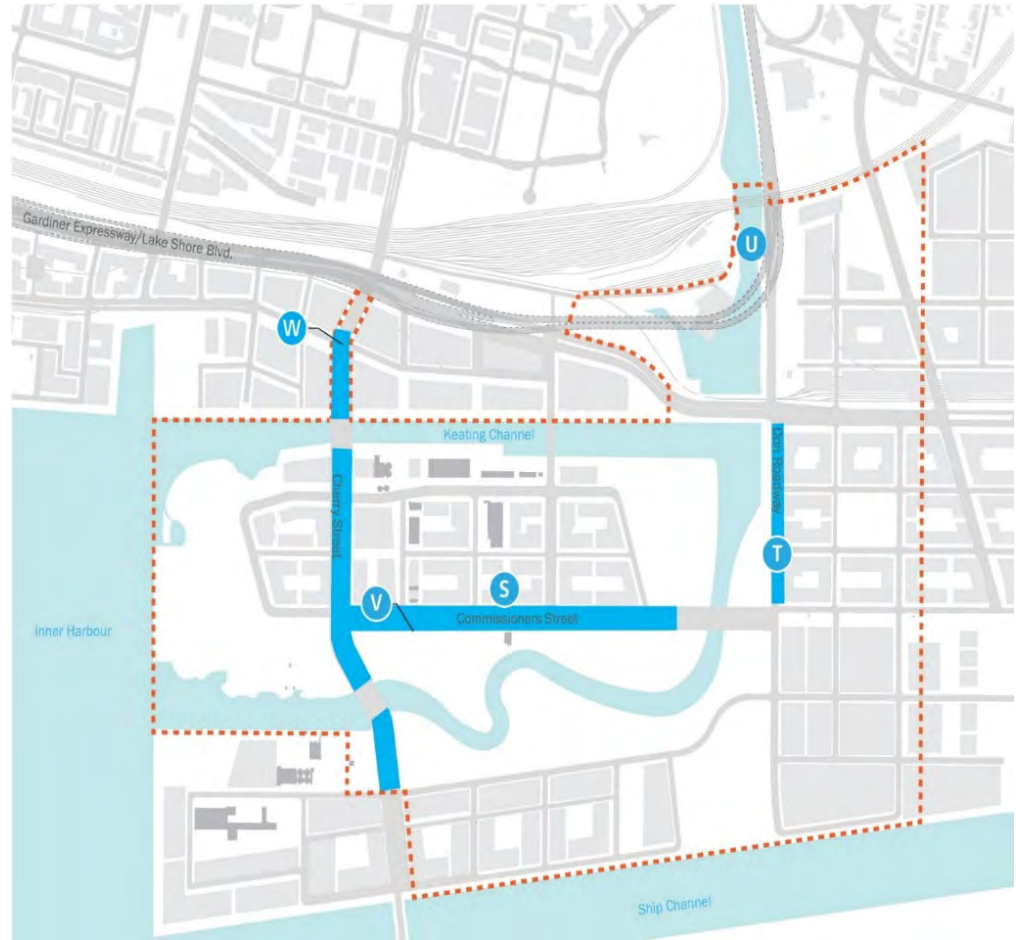


# Roads & Municipal Services

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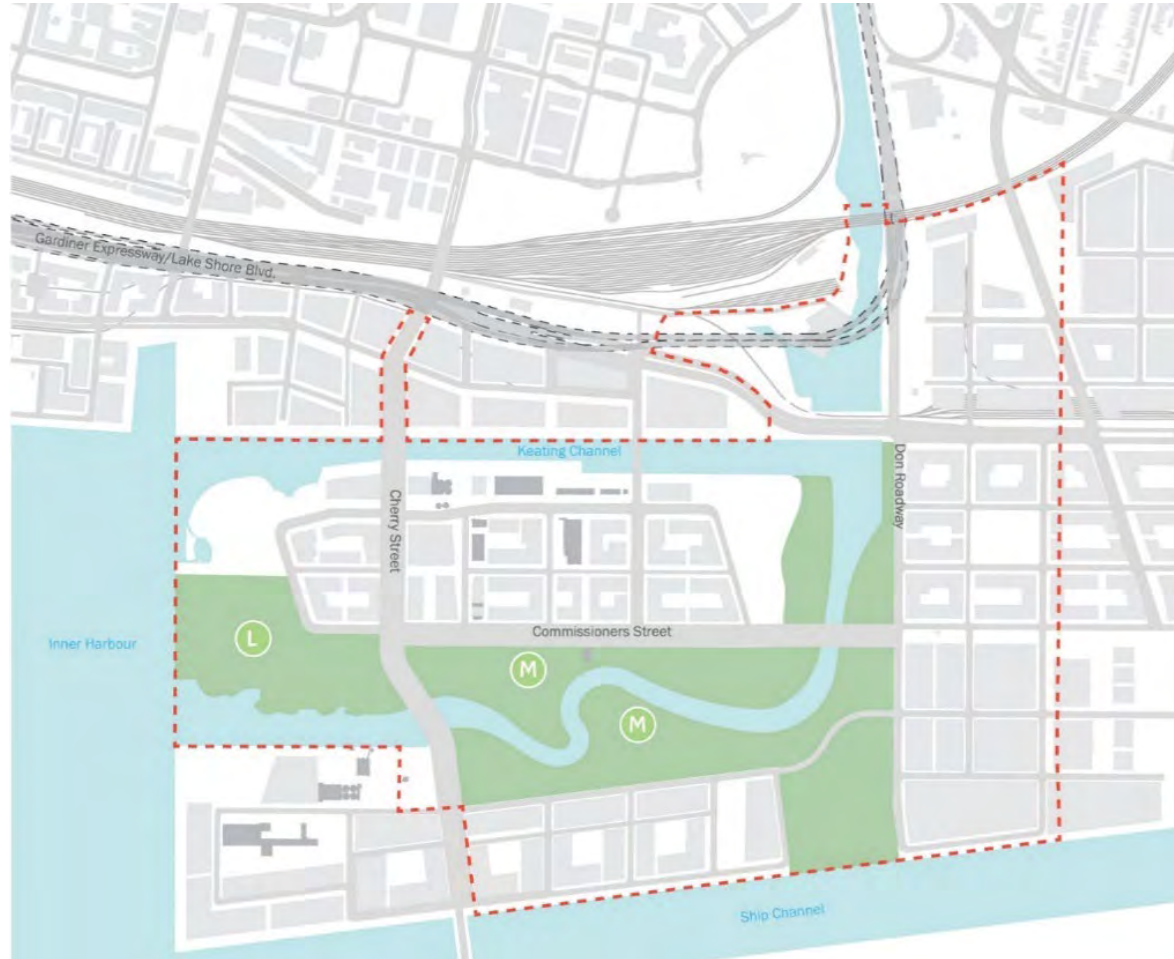




# Parks

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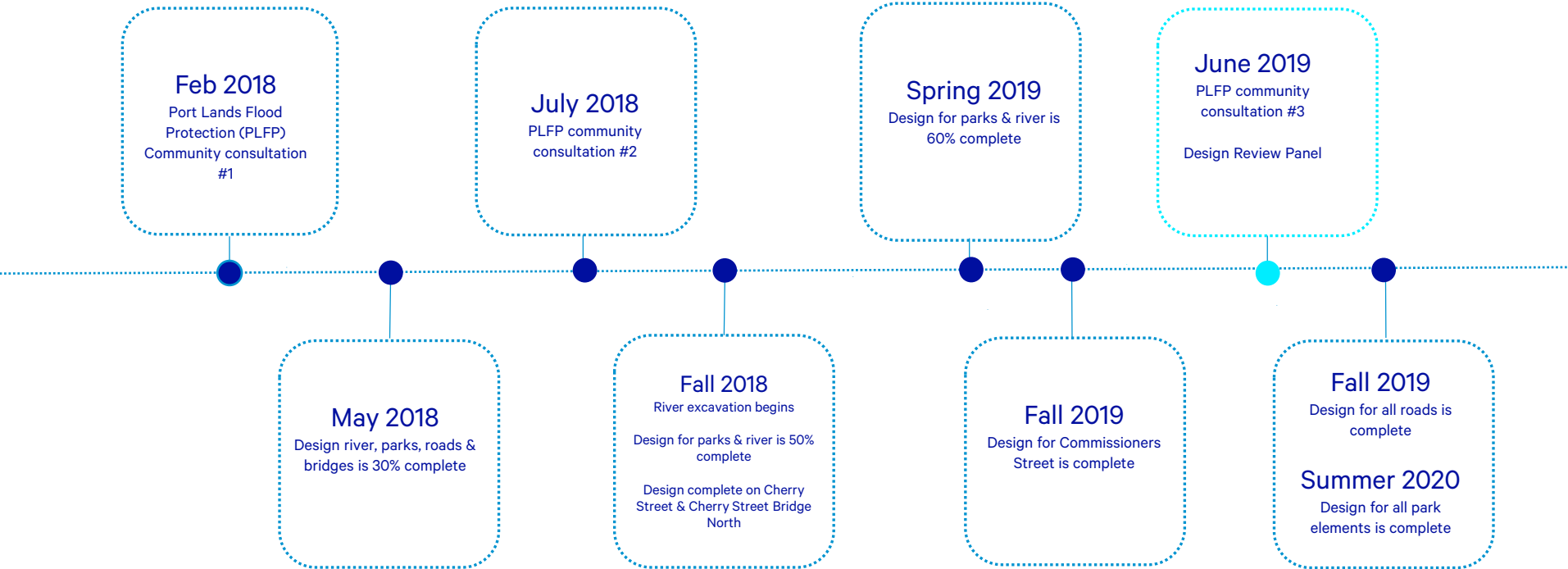
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# Public Consultation



# Where are we now?





# **Design Update**

**Herb Sweeney, MVVA**

**James Roche, DTAH**

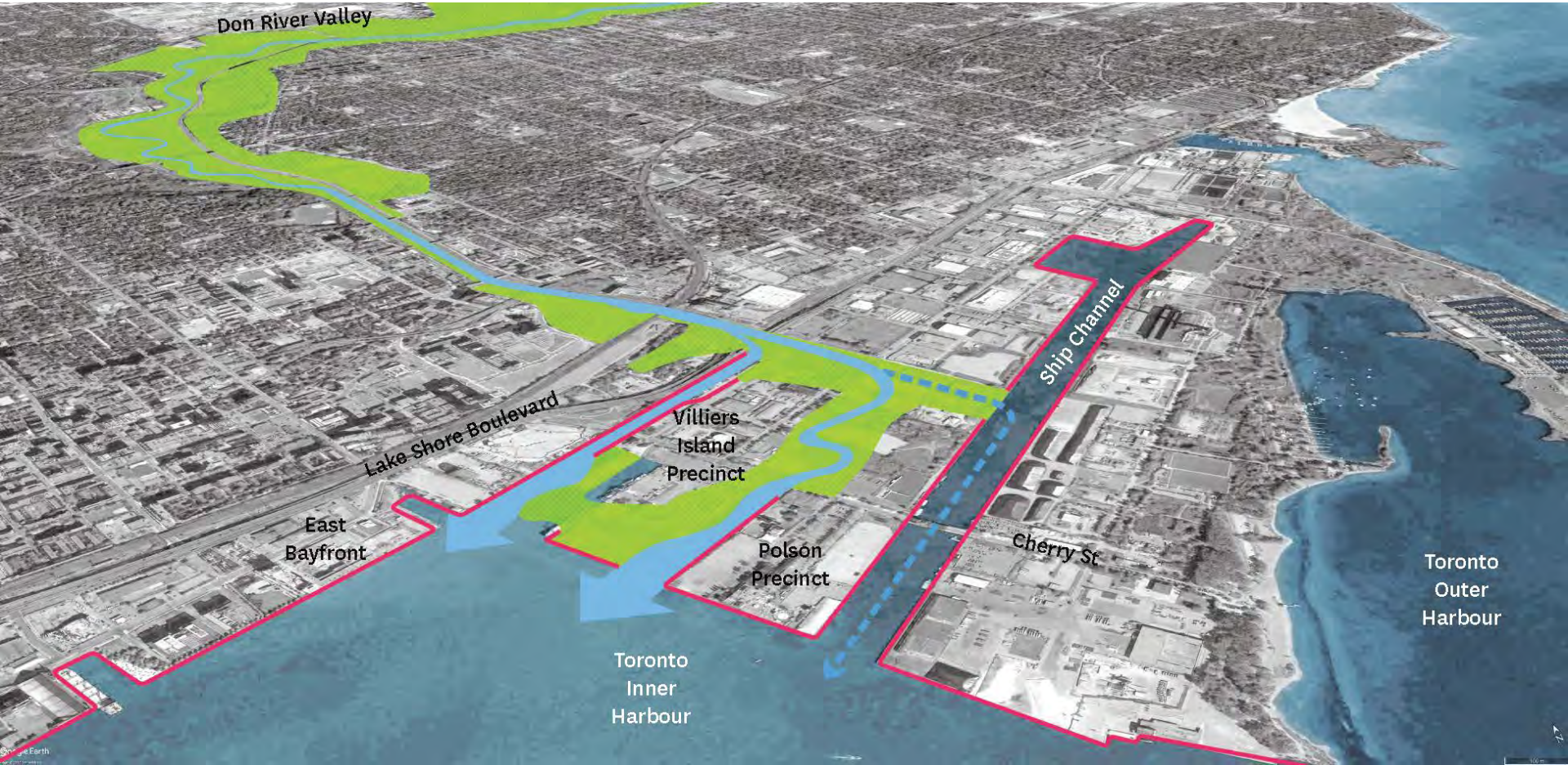
**Michael Meschino, Entuitive**

# Protecting One-Third of the Waterfront from Flooding





# Bring the Don River Valley to the City





# The Port Lands – 2024



# Design Update: Promontory Park South





# Design Update: River Valley Park and Don Greenway





## River Valley and Forest Frame



Humber River



# How will Planting Evolve Over Time?



Installation



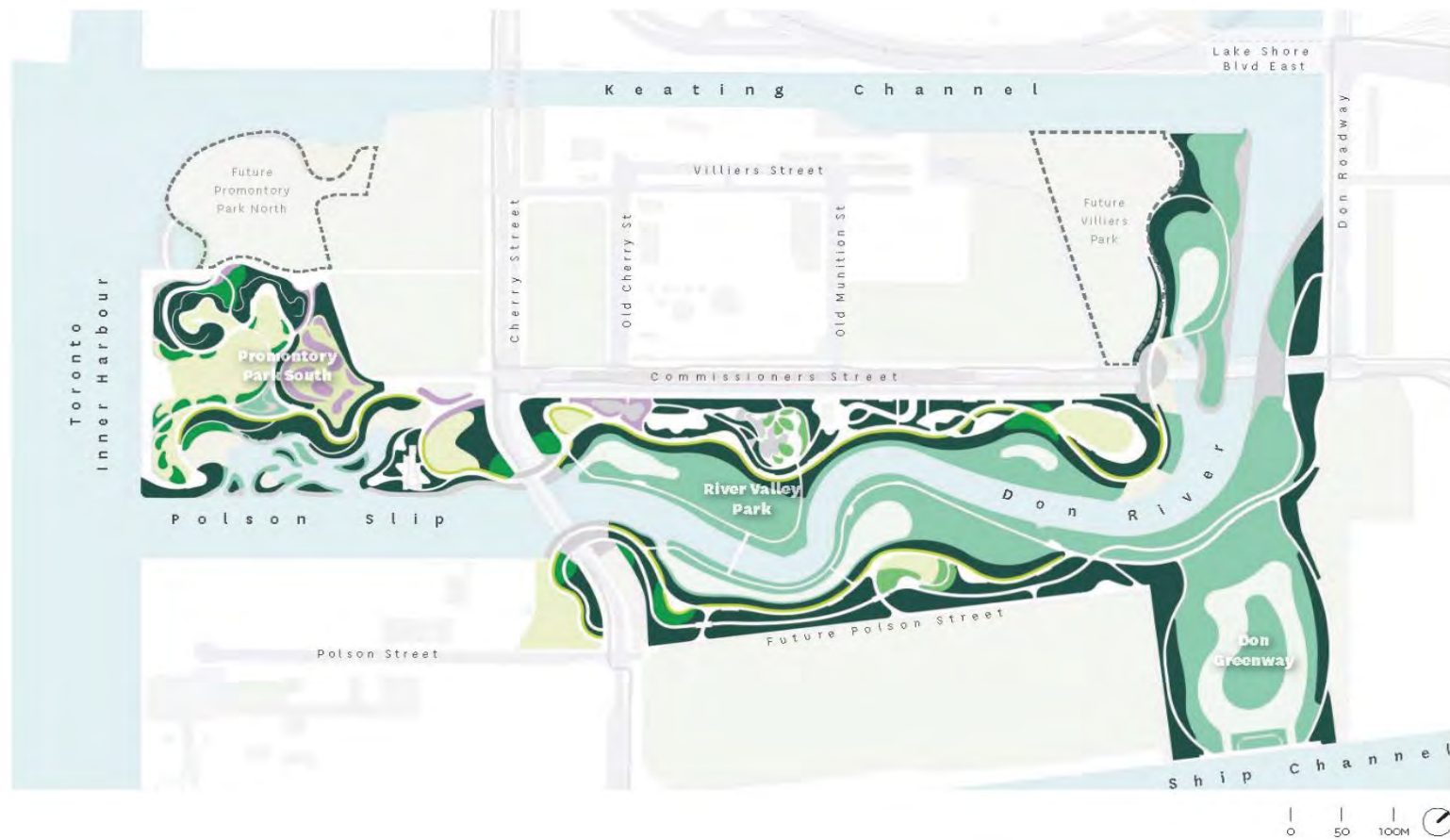
Year 5



Year 20

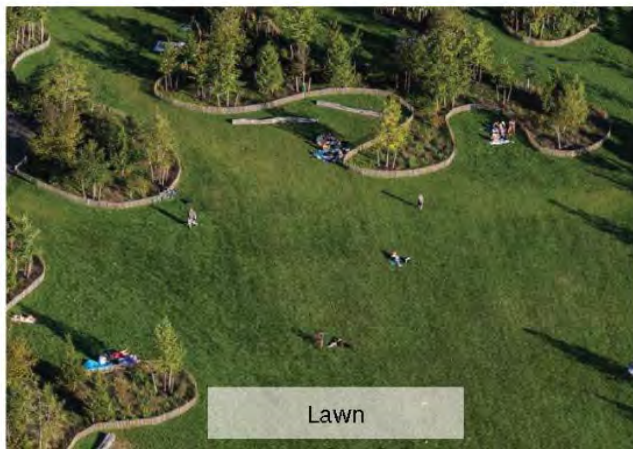
# Creating a Park within the Forest Frame

- Mixed Forest
- Grove
- Glade
- Entry Garden
- Lawn
- Floodplain
- Hedgerow



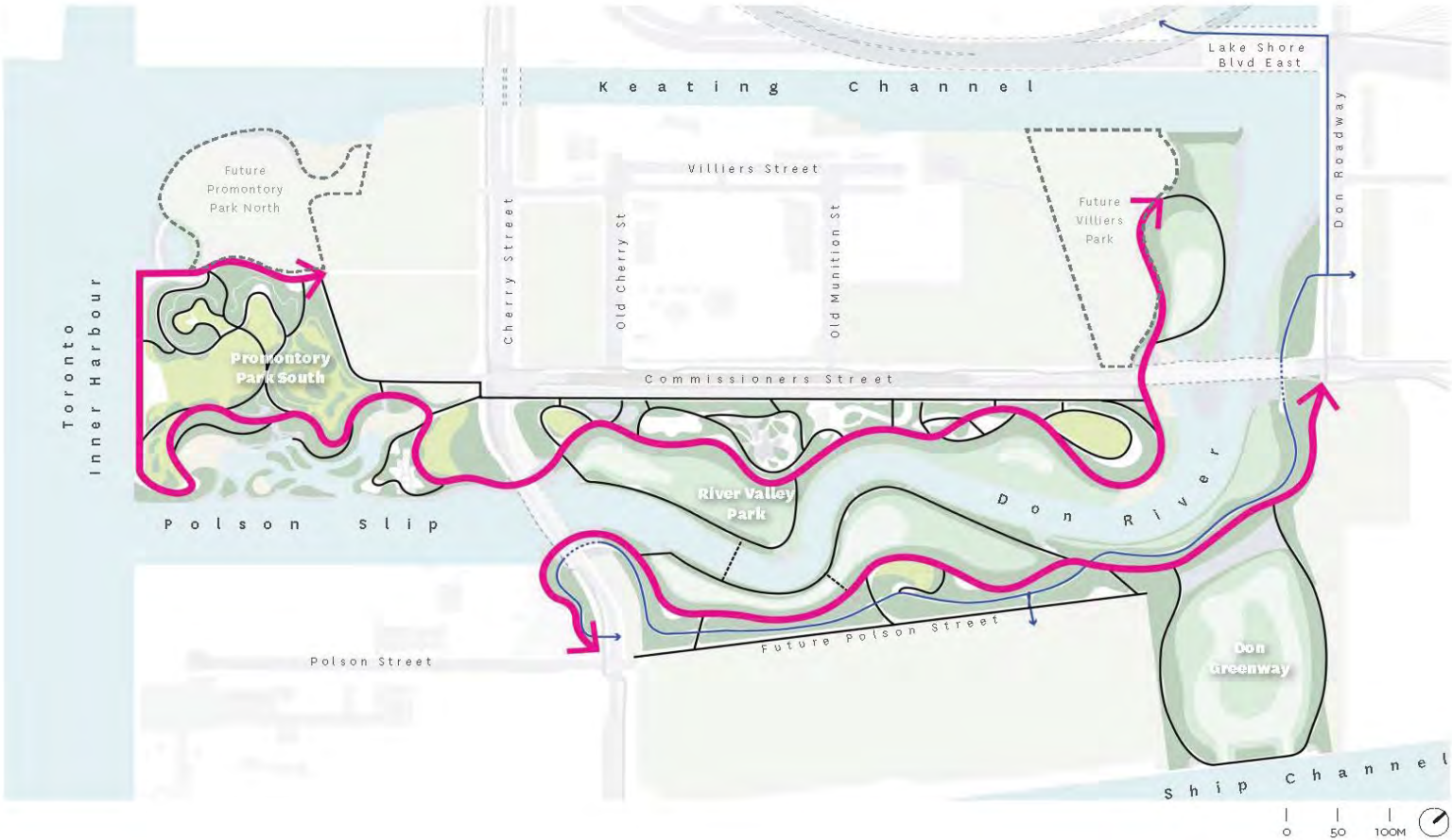


# Park Planting Types



# Two Primary Paths of Park Circulation

- Main Path / Hallway 5-6m
- Secondary Paths: 3-4m
- Lower Don Trail: 3.6m





## View looking west from picnic area in River Valley Park North



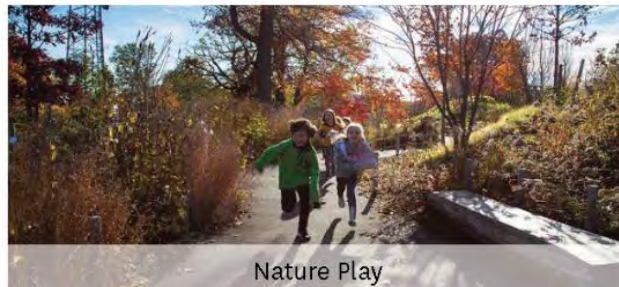


# Park Programming Types

- Playscape
- Dogs Off Leash Area
- Overlook
- Picnic Area
- Urban Promenade
- Plaza
- Event Lawn
- Passive Use Lawn
- Rocky Edge
- Submergent Marsh
- Emergent Marsh
- Vernal Pool
- Planted Armour Stone
- Wooded Upland
- Cobble Beach
- 🚣 Canoe/Kayak Access
- 🦅 Bird Watching
- 🏞️ Overlook
  - Eco Education / Interpretation
- 🎣 Fishing Node
- 🧭 Nature Exploration
  - Nature Trail
  - Snowshoeing
  - Cross Country Skiing



# A Park with Year Round Programming





## View looking west from event lawn at Promontory Park South





# Constructing a Waterfront Landmark from River Excavation



# Promontory Earth-Form Concrete Wall and Planting Concept



Scarborough Bluffs



Earth-Form Concrete Wall  
Precedent



Bird Habitat



Purple Flowering Raspberry



American Beech



Bowmans Root



Ninebark



Geranium



Western Red Cedar



Witch Alder



Virginia Creeper



# Aspirations for Destination Play Areas



Nature Play



Narrative Play



Kinetic Play



Water Play



# Embracing the Industrial and Natural





## View looking east in River Valley Park South from Lower Don Trail





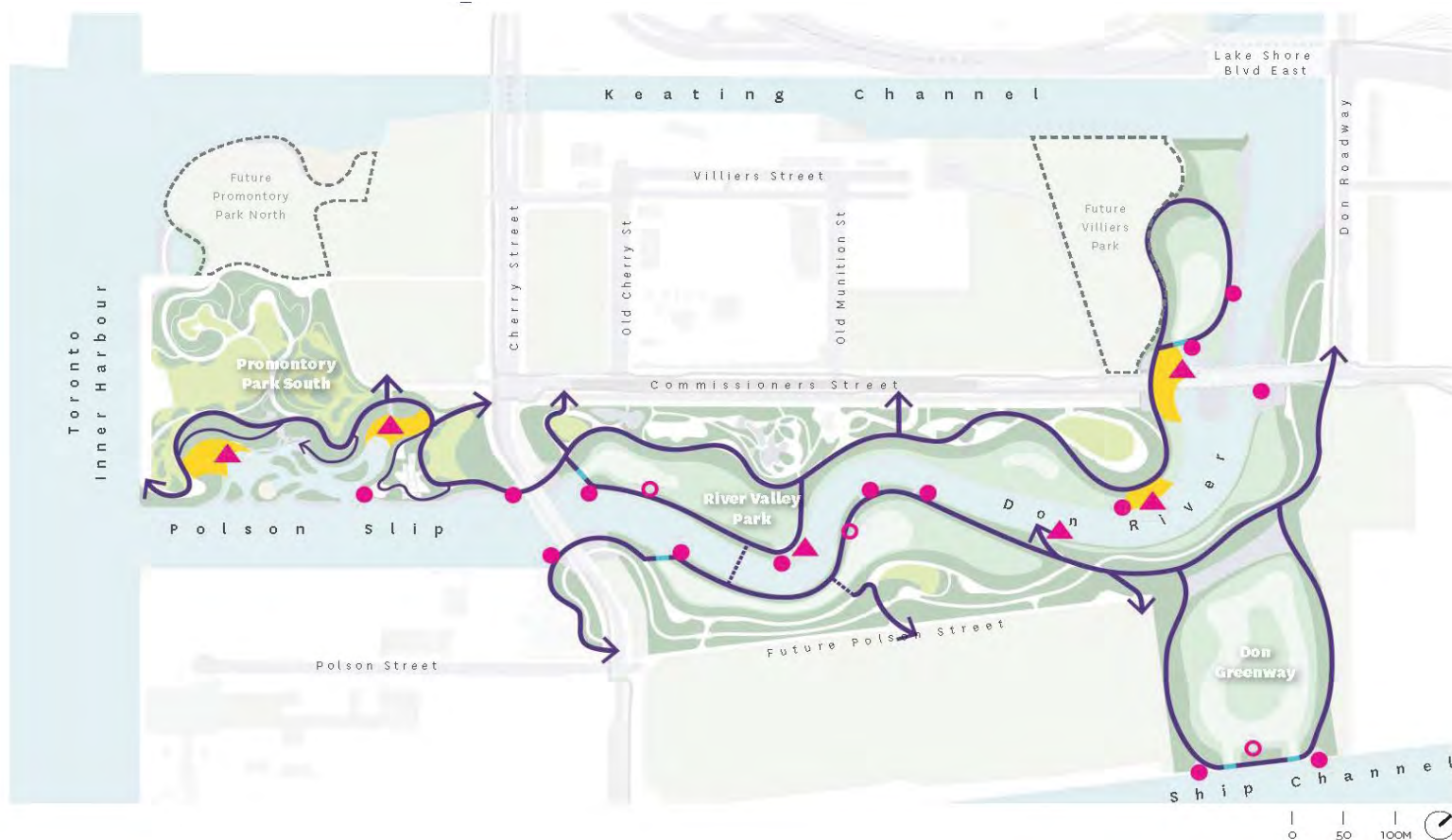
## View towards Canoe Cove from Cherry Street Park entrance





# Providing Access to the Waters Edge

- Rivers Edge Path
- Boardwalk/Footbridge
- Fish Gate
- Gravel Beach
- ▲ Water Recreation Access Point
- Fishing Node
- Overlook





## View Looking West towards River Valley Park South



# Connecting to the City through the Cycling Network

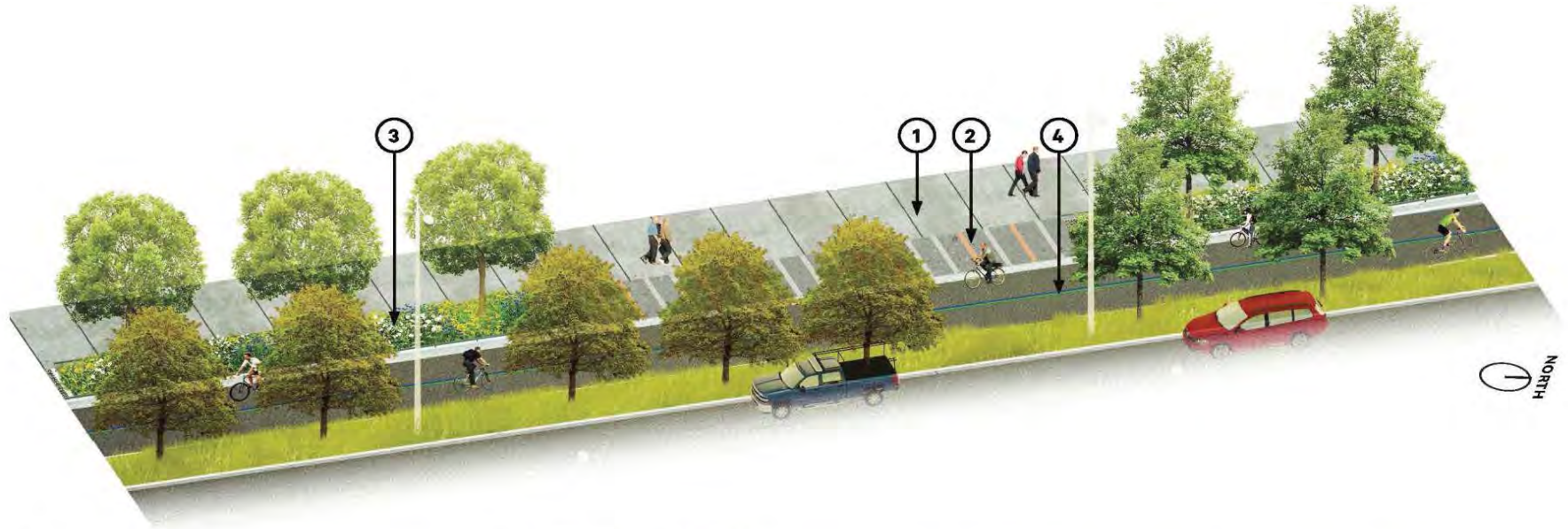




# Three Streets for the Port Lands



# New Cherry Street Update: Urban Green Spine



- ① Sidewalk (min. 3.0 m)
- ② Social Spaces & Site Furnishings Zone
- ③ Open Pit Planters with Robust Urban Tolerant Planting - Planters are One Component of Green Infrastructure
- ④ Martin Goodman Trail (4.0 m)

Cherry Street Planting Sample:



Honeylocust



Marmo Freeman  
Maple



Yarrow



Juniper



Perennial + Grasses Mix



## View looking south-east on east side of New Cherry Street





# Green Infrastructure Measures: Commissioners Street



Enhanced Grass Swale



Bioswale



Open Pit Planter with Soil Cells



Open Pit Planter with Soil Cells and Passive Irrigation



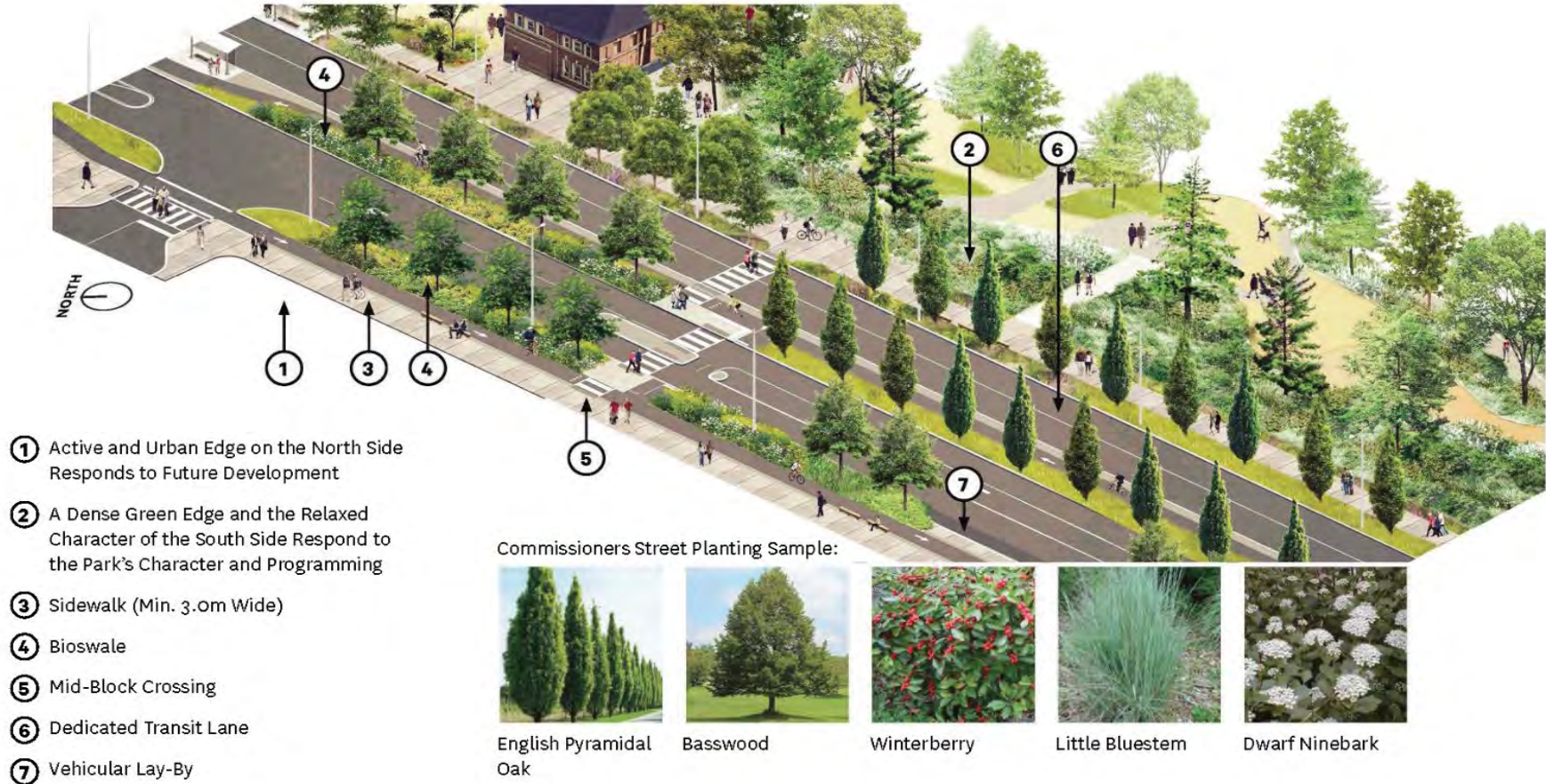
Right-of-Way Edge Drainage  
(Rainwater Drains from Curb into Park)



Porous Asphalt



# Commissioners Street: Extension of the Park



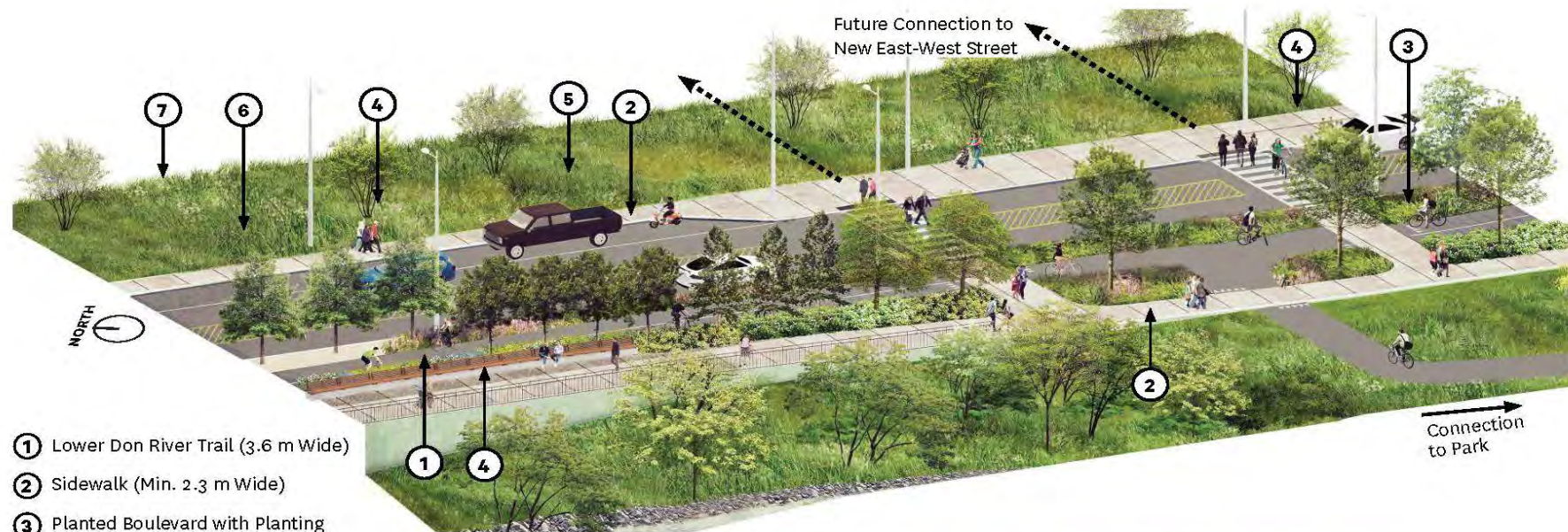


## View looking west along south side of Commissioners Street





# Don Roadway: River Valley Edge



- ① Lower Don River Trail (3.6 m Wide)
- ② Sidewalk (Min. 2.3 m Wide)
- ③ Planted Boulevard with Planting Inspired by the River Ecology
- ④ Seating/Viewing Area
- ⑤ Interim Landscape
- ⑥ Reclaimed and Repurposed Railway Tracks
- ⑦ Hydroelectric Transmission Corridor

River's Edge Planting Sample:



Purple-Flowering Raspberry



Red Mulberry



Trembling Aspen



White Pine



Red Oak

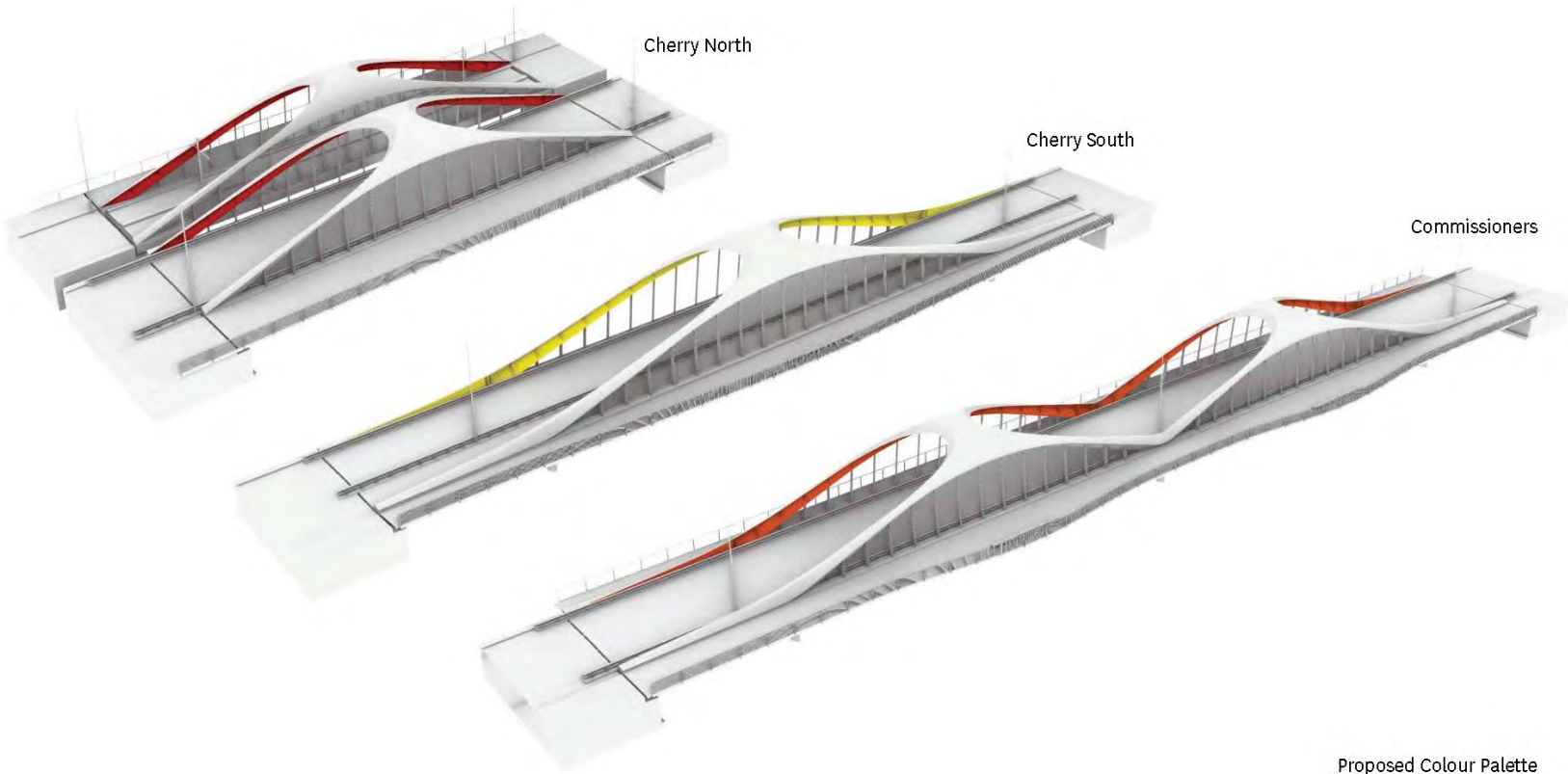


## View of Don Roadway looking towards Commissioners Street Bridge





# Bridges Update: A Family of Bridges



## View looking north towards Commissioners Street Bridge





## View looking north towards Cherry Street North Bridge



## View looking west towards Cherry Street South Bridge





# See you in 2024!

