

Port Lands Flood Protection Park Programming



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

Port Lands Flood Protection

A Park with Year Round Activity



Fire Pits



Event Lawn



Kids Camps



Water Recreation



Destination Play



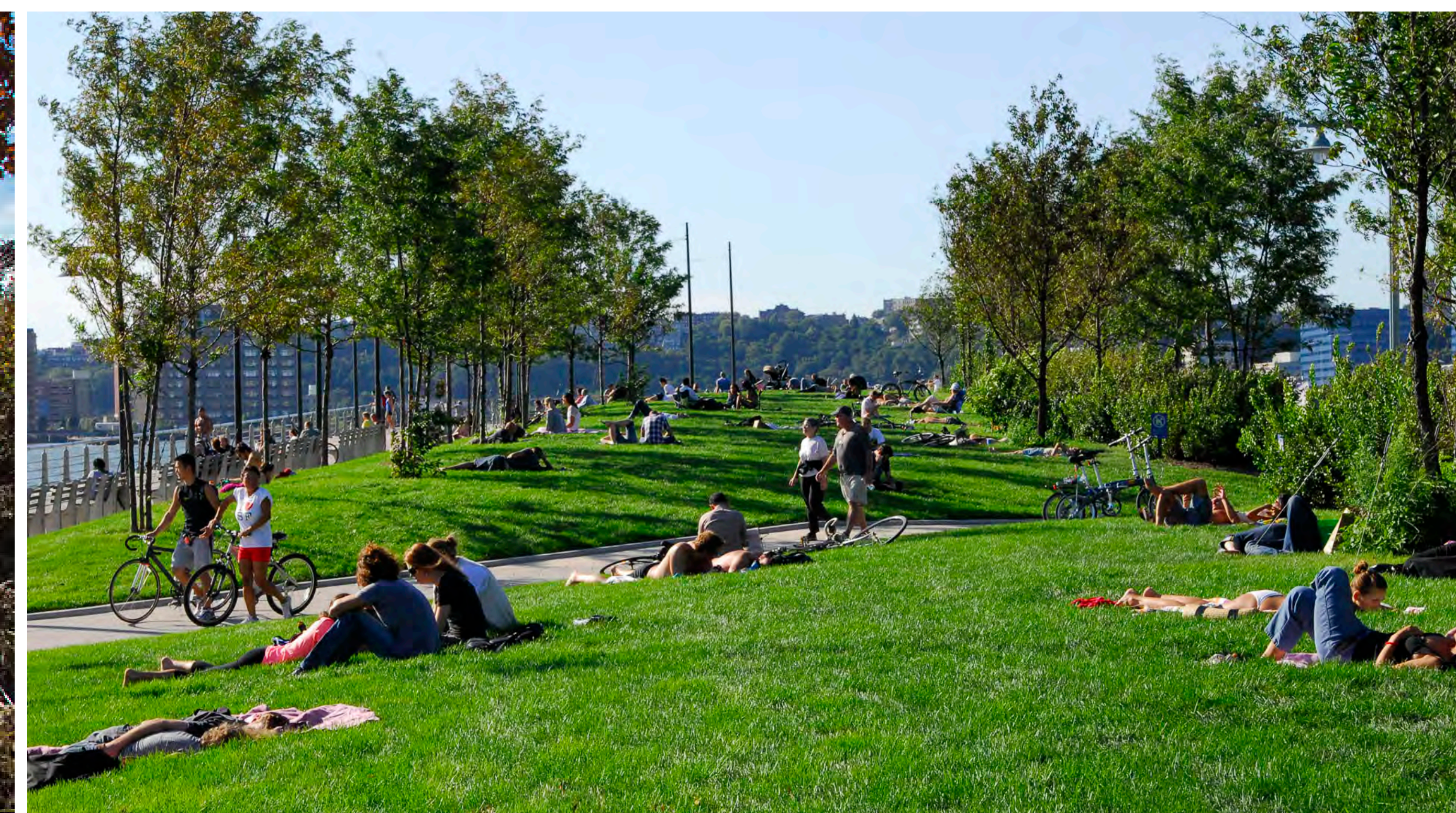
Picnic Areas



Cross Country Skiing



Nature Play



Lawns

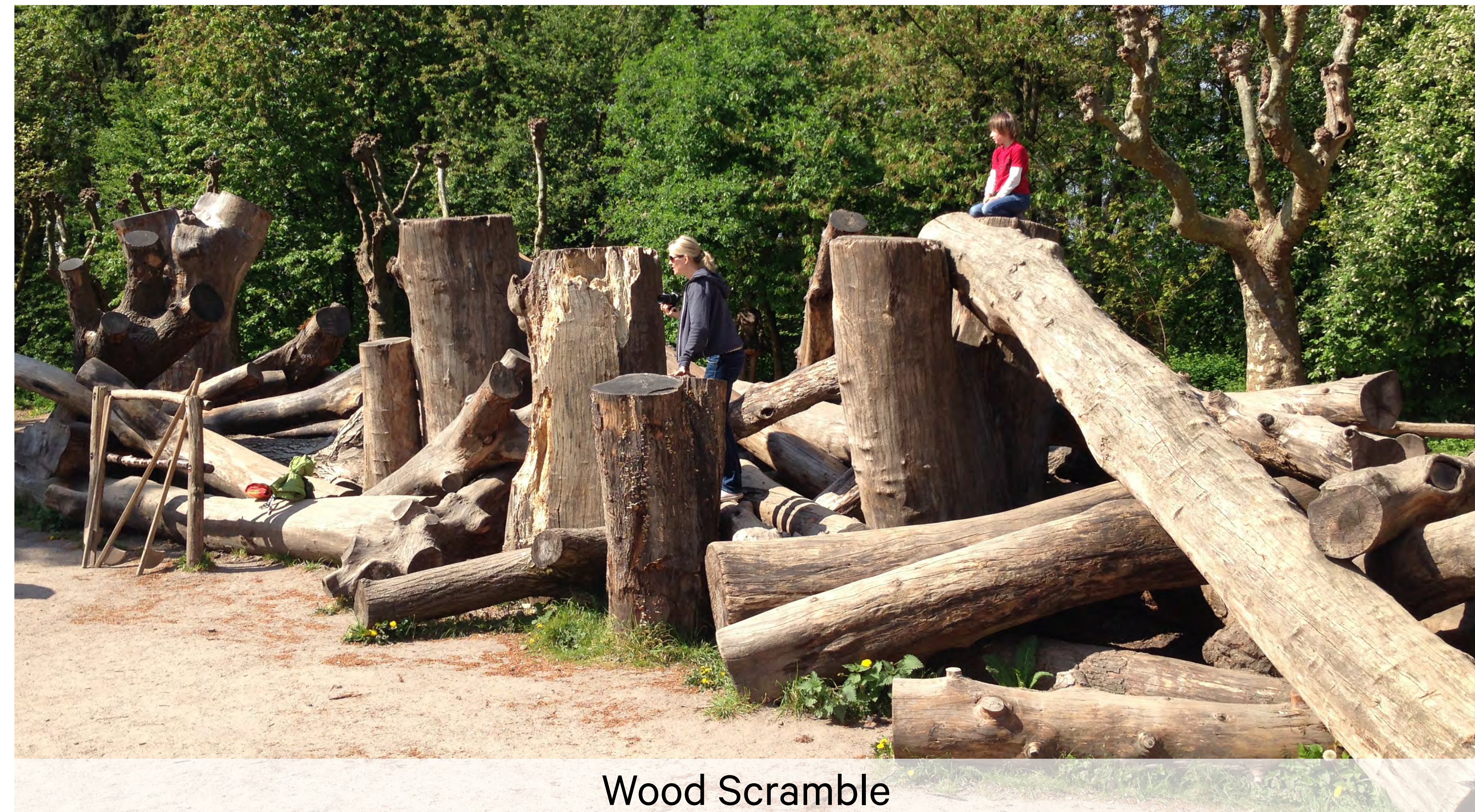
Port Lands Flood Protection

Aspirations for Nature Play

Did you know people can identify more shades of green than any other colour? We crave green spaces – and the Port Lands will deliver them. Our concept for new parkland along the river valley is a place where people of all ages play in nature, creating play areas for all ages and abilities to enjoy together.



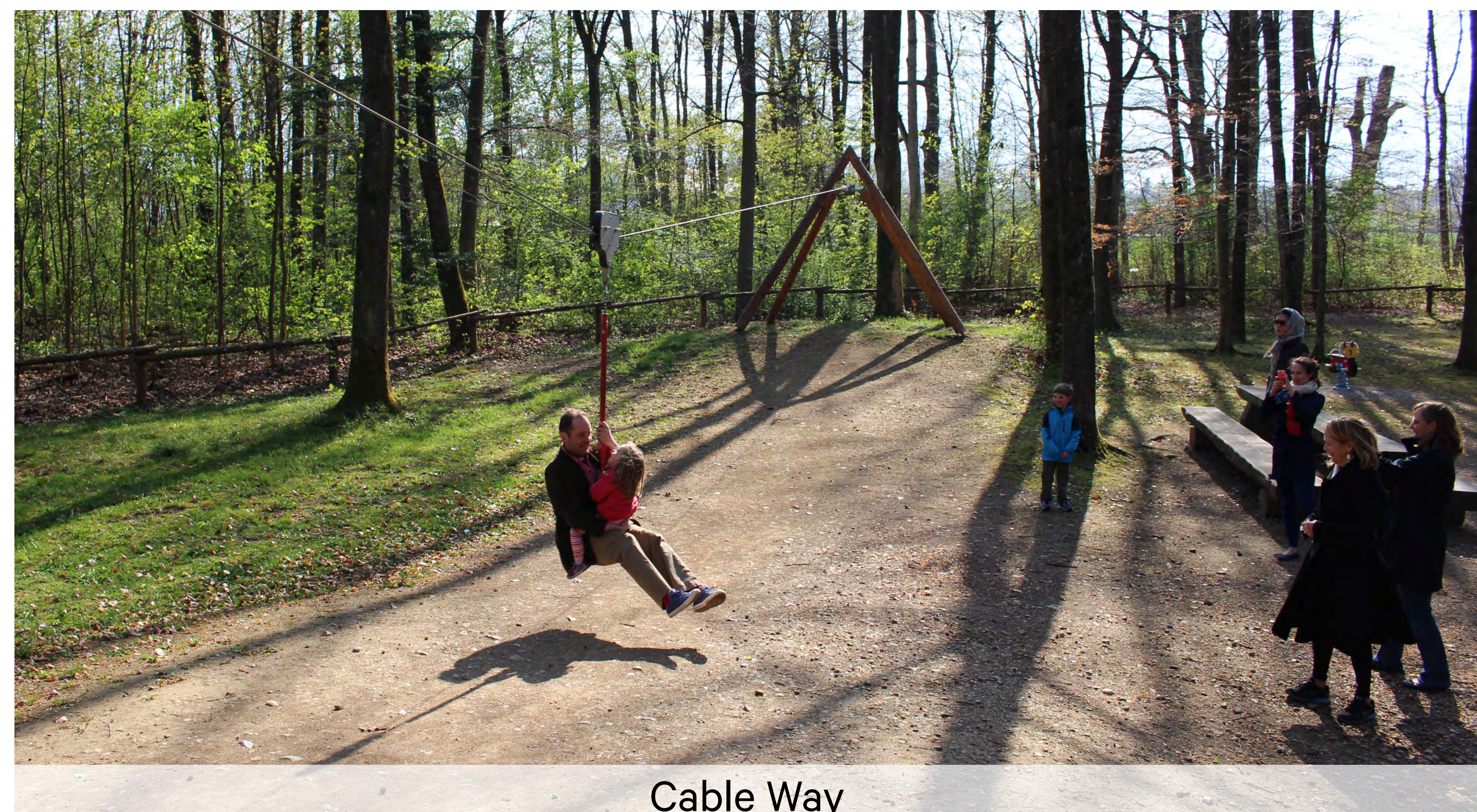
Adventure Paths



Wood Scramble



Riverine Runnels

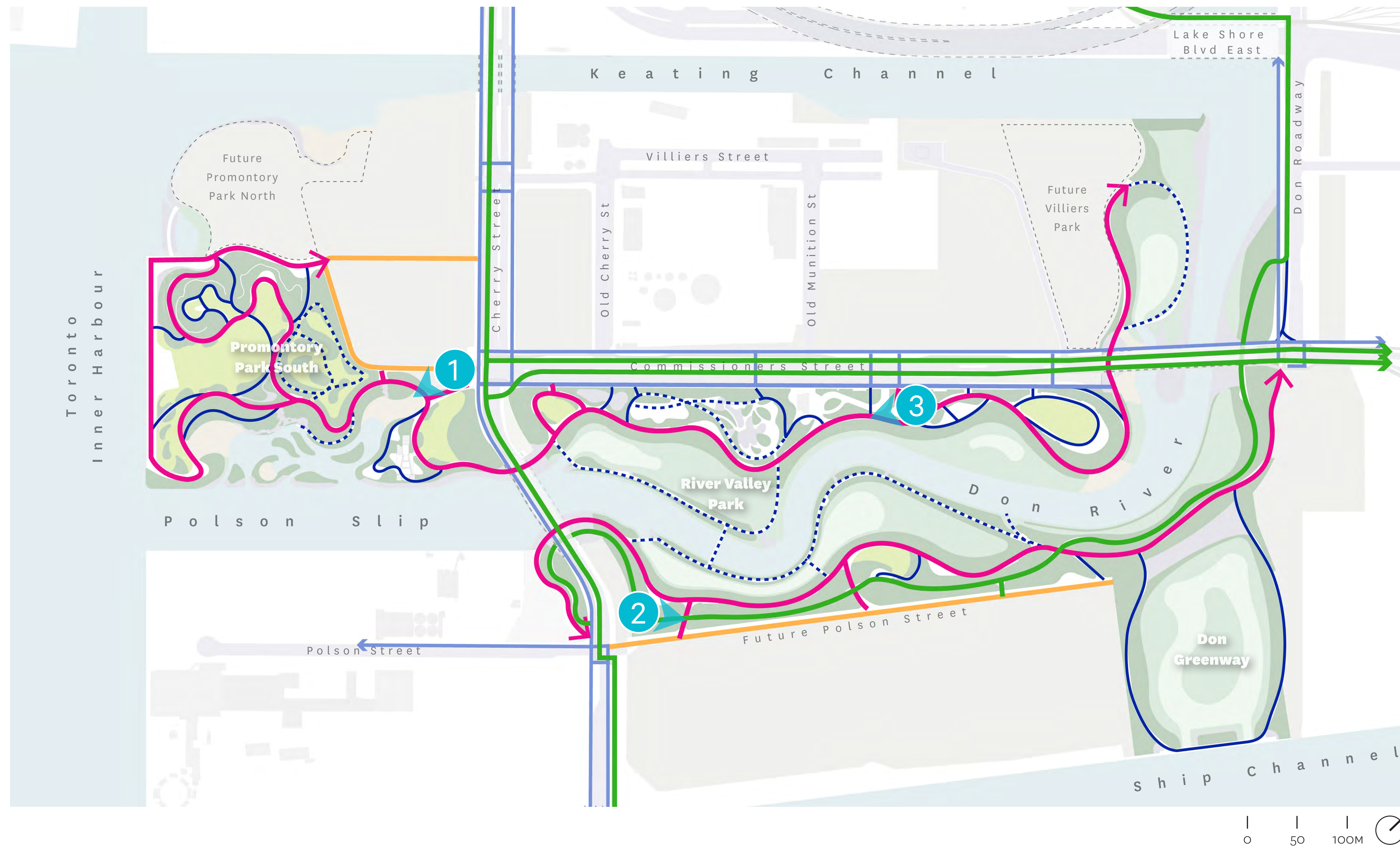


Cable Way

Port Lands Flood Protection Pedestrian and Cycling Networks

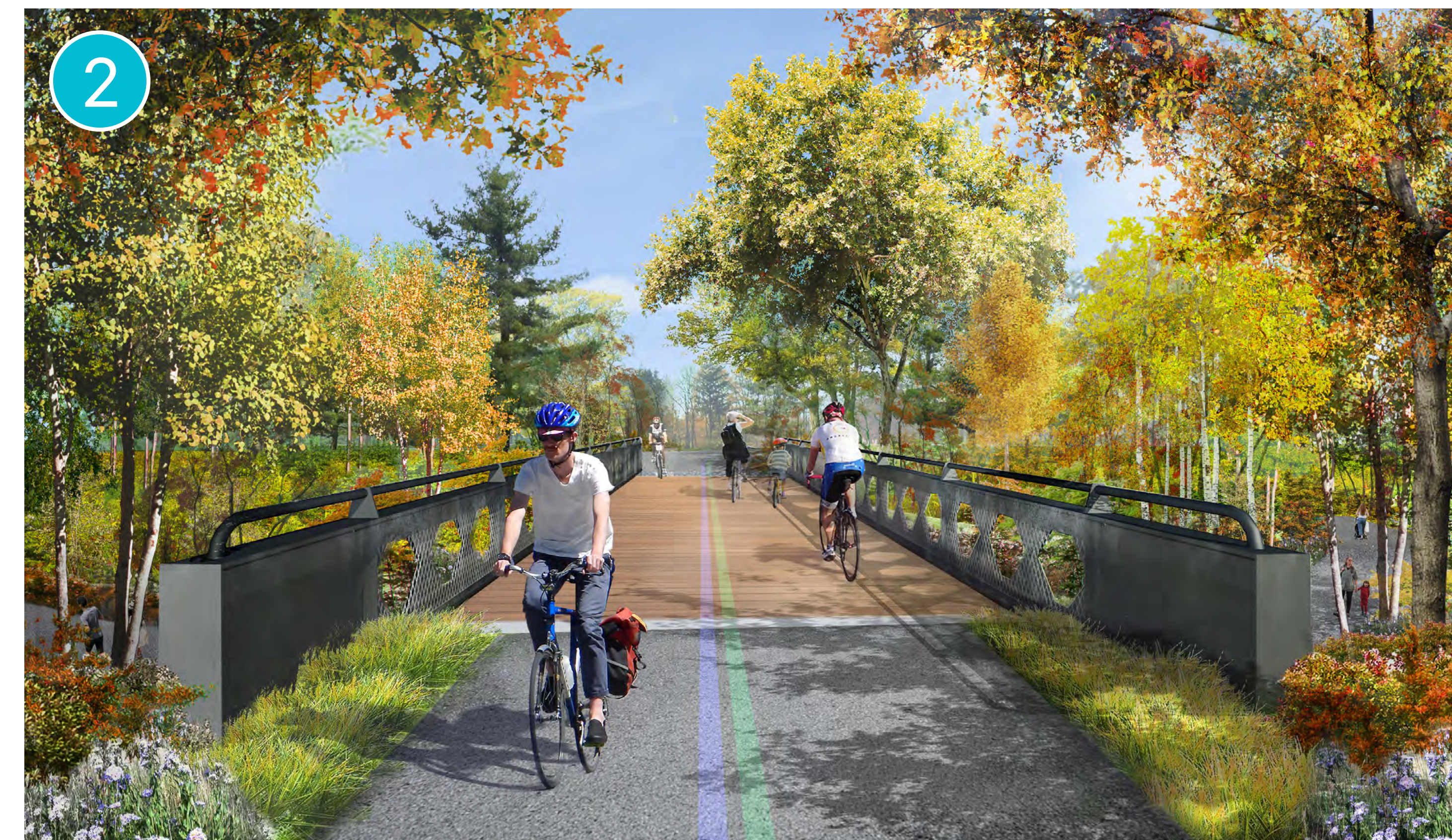
Pedestrian

- Main Paths 5-6m (wide)
- Secondary Paths: 3-4m (wide)
- - - Trails: 2.4m (wide)
- City Sidewalk
- Multi-Use Path:
 - Lower Don Trail: 2100m (length)
 - Martin Goodman Trail: 810m (length)
 - Commuter Bike Lane: 900m (length)
- Interim Path: 700m (length)



Cycling

- Lower Don Trail
- Martin Goodman Trail
- - - Commuter Bike Lane
- Proposed Bike Parking

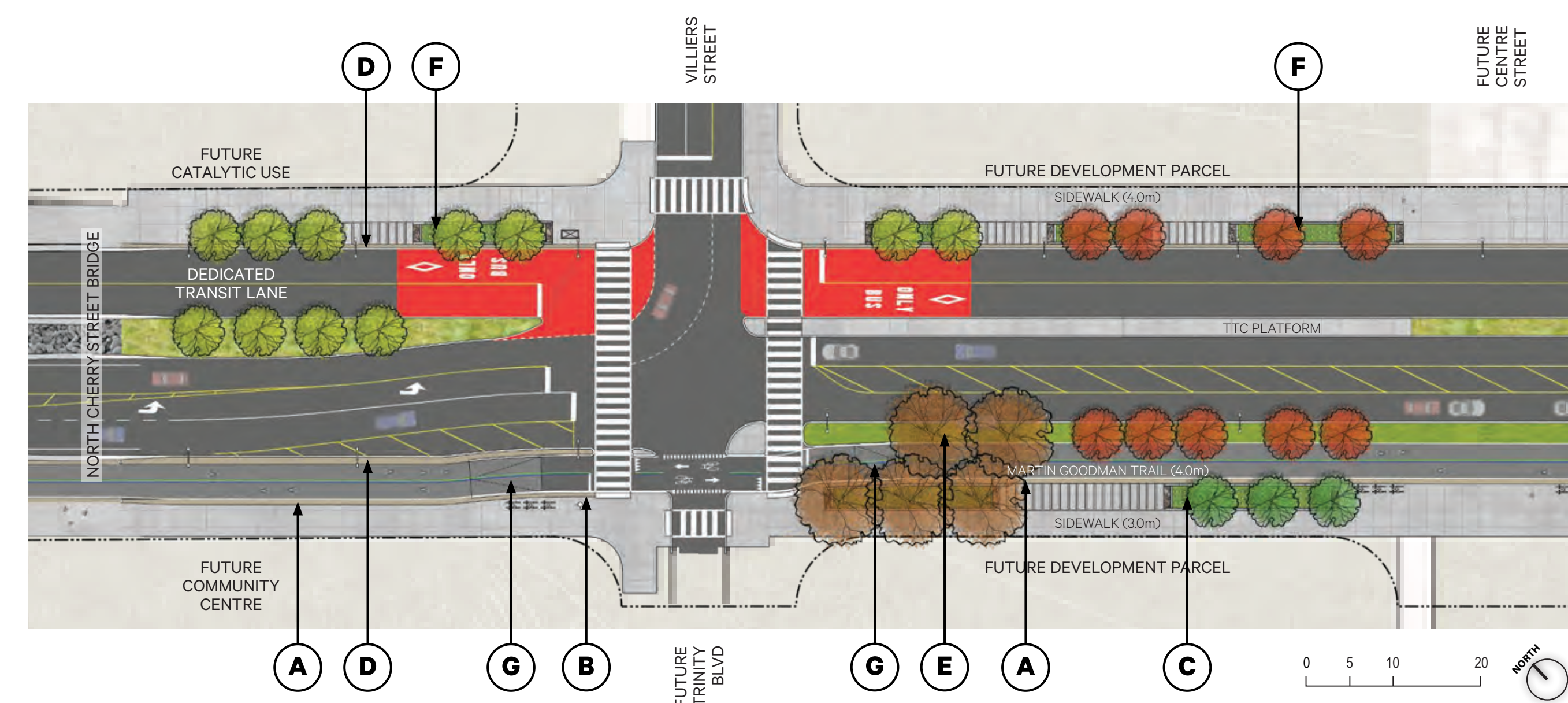


Port Lands Flood Protection

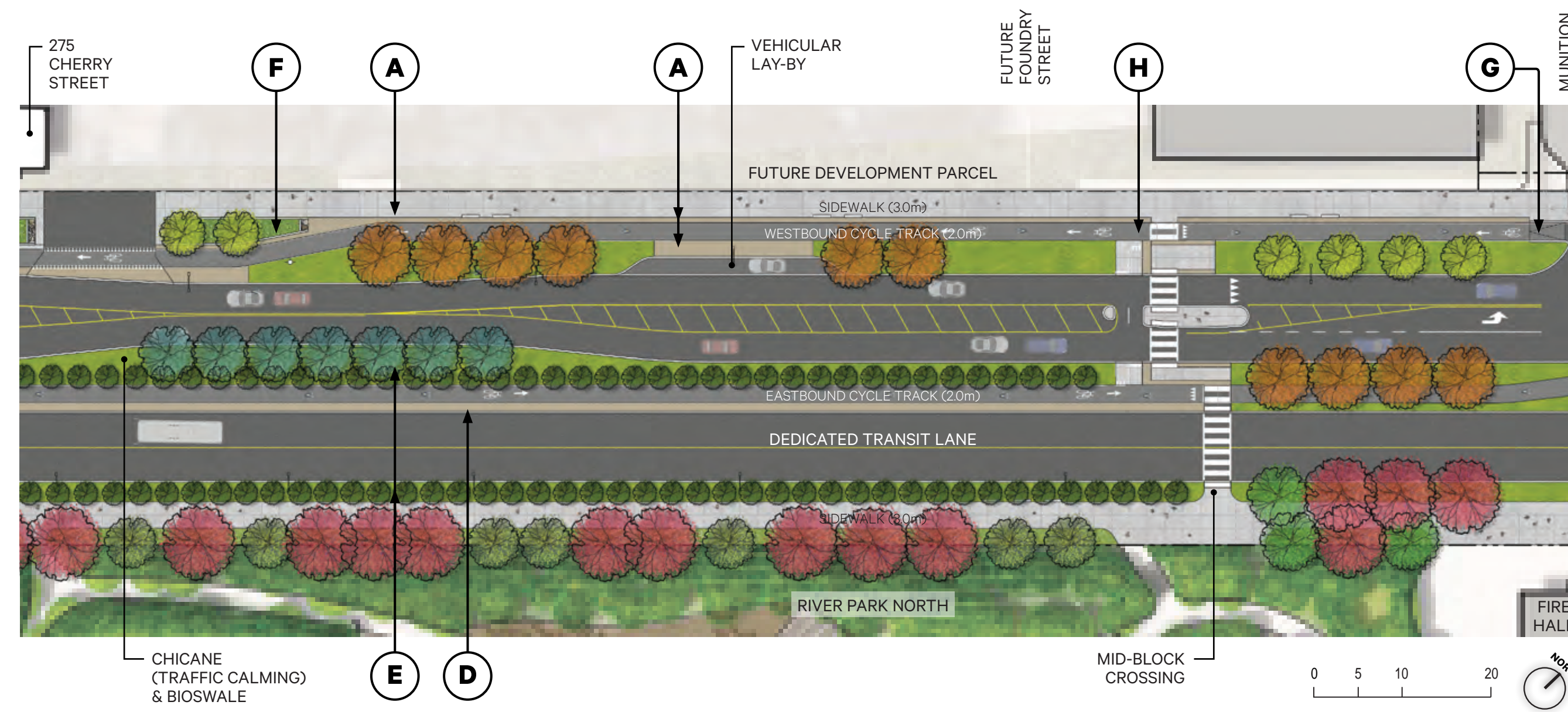
Cycling Facilities

Designed to safely and comfortably accommodate pedestrians and cyclists, takes into account best practices, Toronto Complete Streets Guidelines, Toronto Multi-Use Trail Guidelines, public feedback, and the Accessibility for Ontarians with Disabilities Act (AODA).

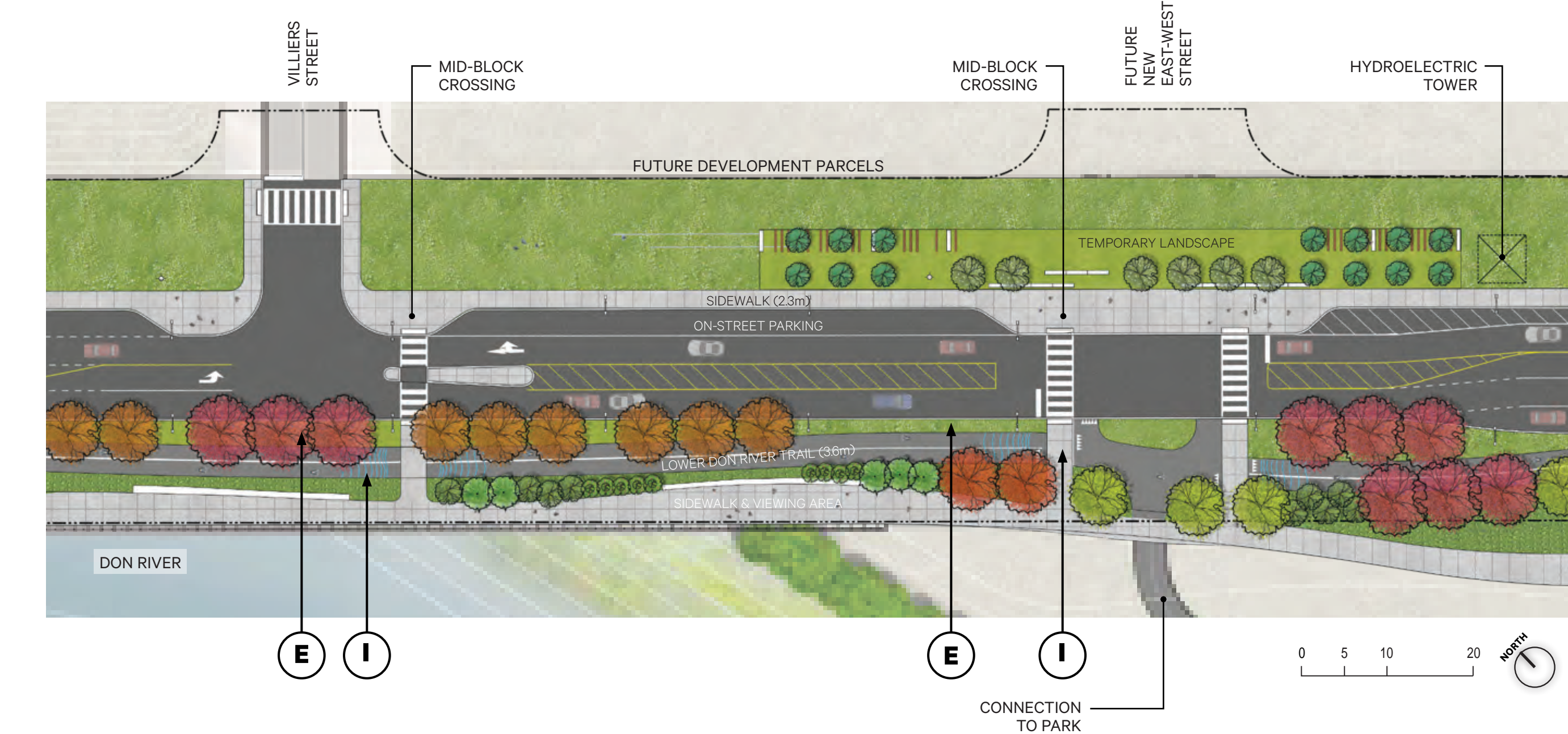
New Cherry Street



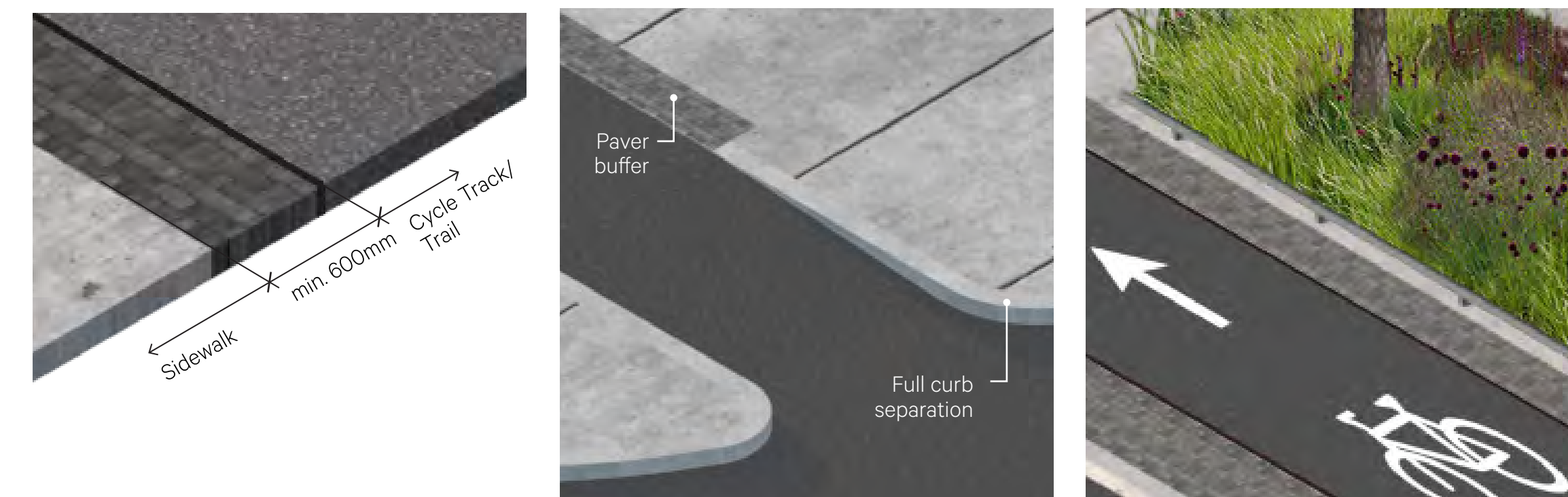
Commissioners Street



Don Roadway



Buffer between pedestrians and cyclist



- (A) Paver texture and colour
- (B) Paver and vertical curb transition
- (C) Paver and planter

Buffer from vehicular traffic



- (D) Vertical curb separation
- (E) Planted boulevard
- (F) Planter

Pedestrian crossings at cycling facilities



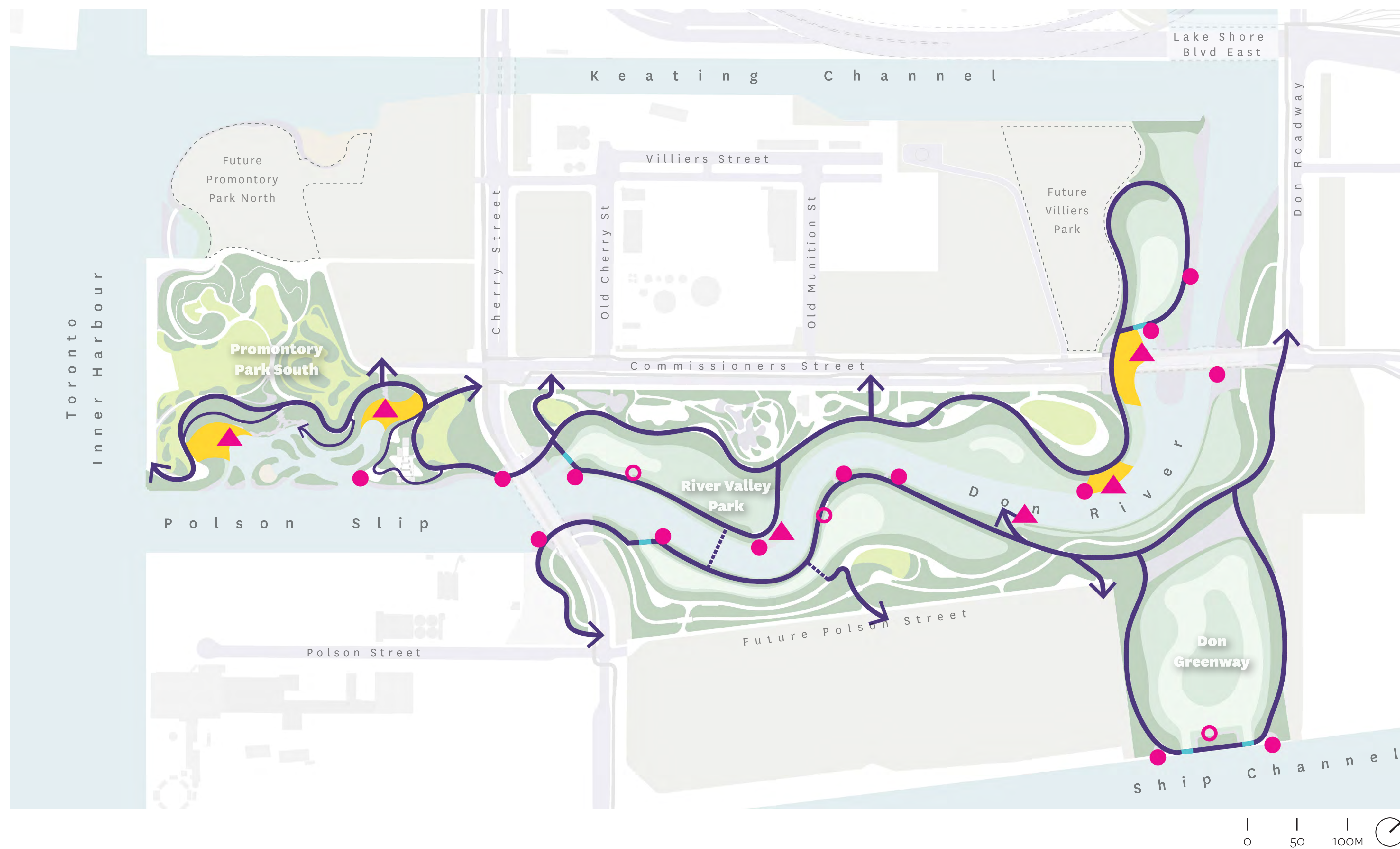
- (G) Bike/trail ramping to road grade
- (H) Material change and pavement markings
- (I) Material change and pavement markings

Port Lands Flood Protection

Water Network

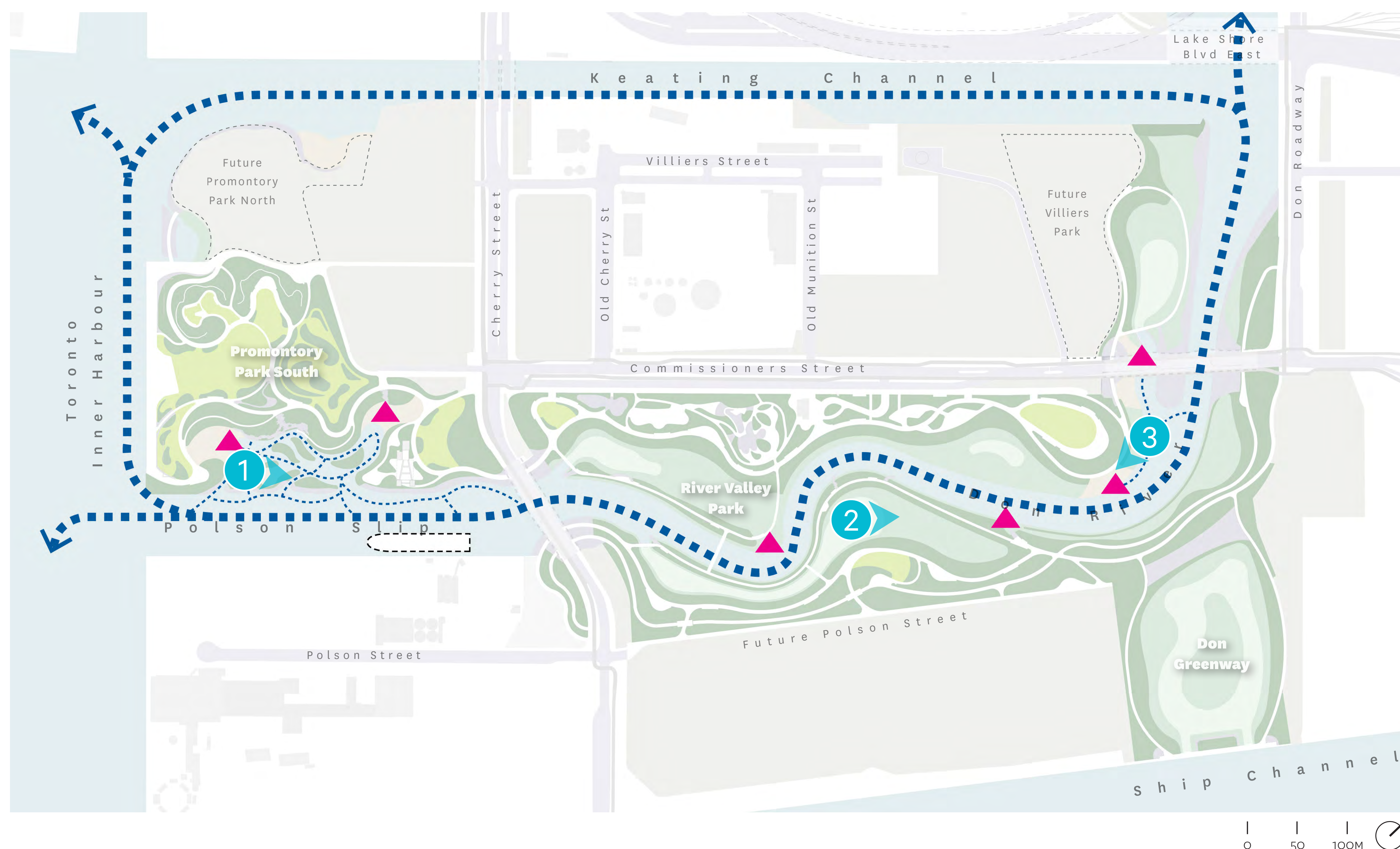
Water Access

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



Water Circuit

- ▬▬▬ Primary Paddler Circulation
- ▬▬▬ Secondary Paddler Circulation
- ▲ Water Recreation Access Point
- ▭ Industrial Vessel Docking



Port Lands Flood Protection Vehicular and Transit Networks

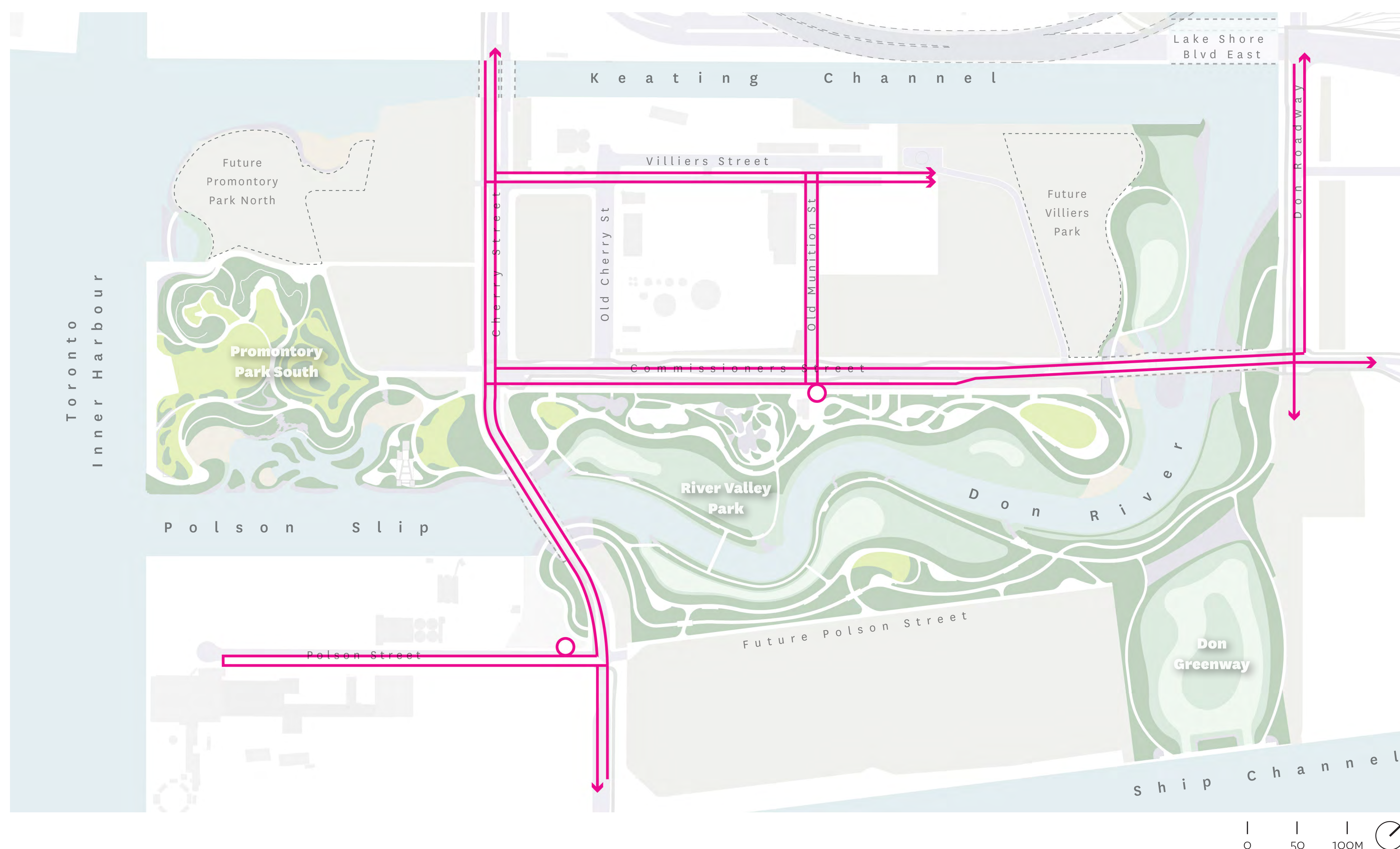
Transit

- Transit
- Signalized Intersection
- Bus Stop

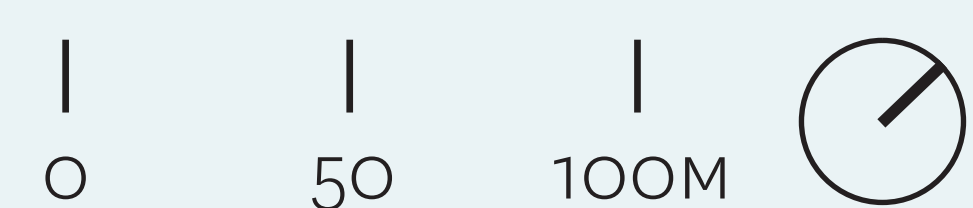


Vehicular

- Vehicular Circulation
- Vehicular Drop-Off



Port Lands Flood Protection Planting Strategy



- Wetland
- Forest Frame
- Lawn
- Street Trees
- Bioswales

Port Lands Flood Protection

Promontory Earth Cast Wall and Planting Concept

We are developing a design that integrates plants with the wall design to mediate sun and wind exposure using tree groves to create areas of shelter for park users, as well as refuge and habitat for birds.



Scarborough Bluffs



Earth-Form Concrete Wall Precedent



Bird Habitat



Wall Elevation



Purple Flowering Raspberry



American Beech



Bowmans Root



Ninebark



Geranium



Western Red Cedar



Witch Alder



American Yellowwood



Red-twig Dogwood



Red Chokeberry



Switch Grass



Carolina Rose



Virginia Creeper

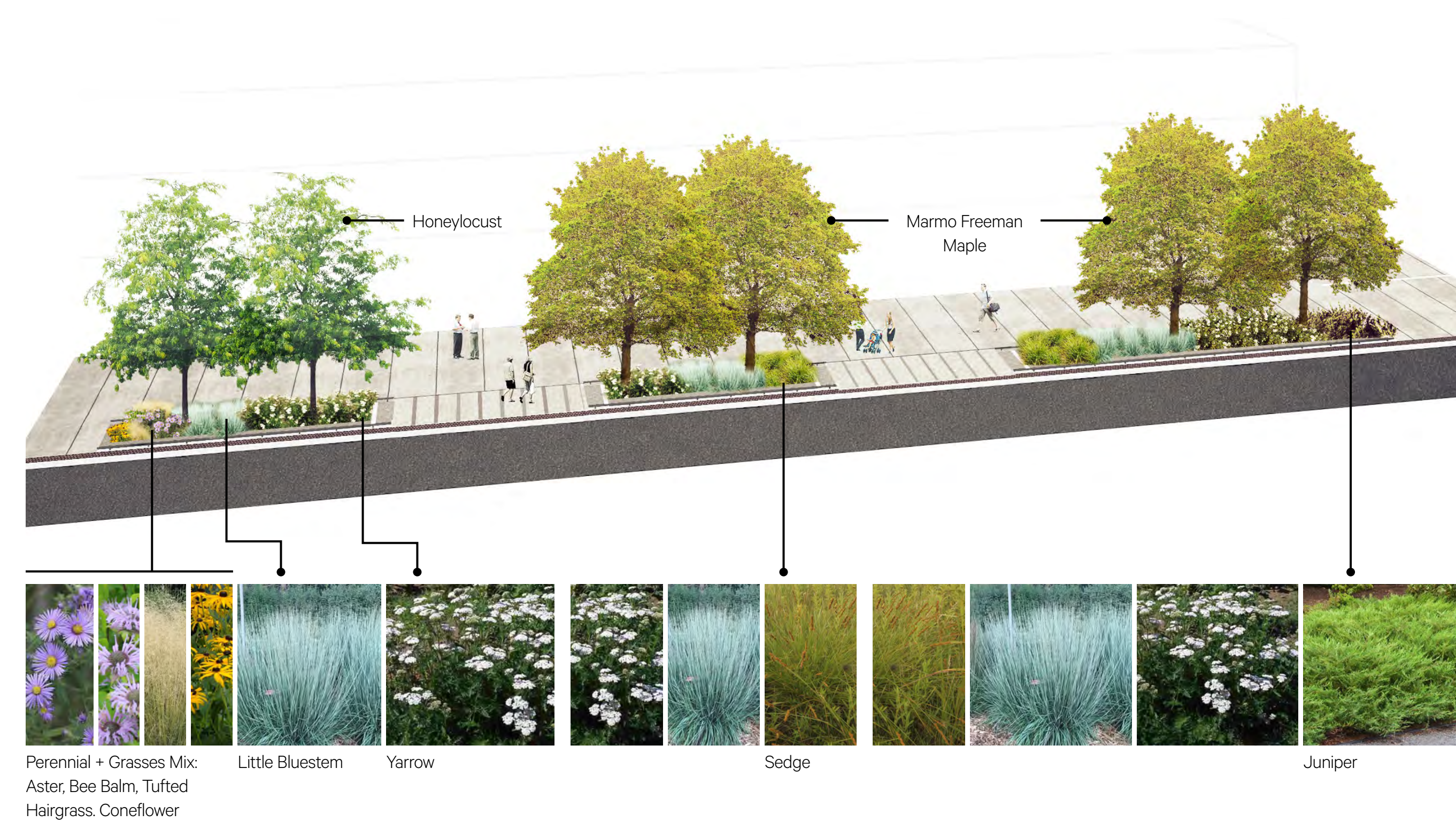
Port Lands Flood Protection

Street Greenery

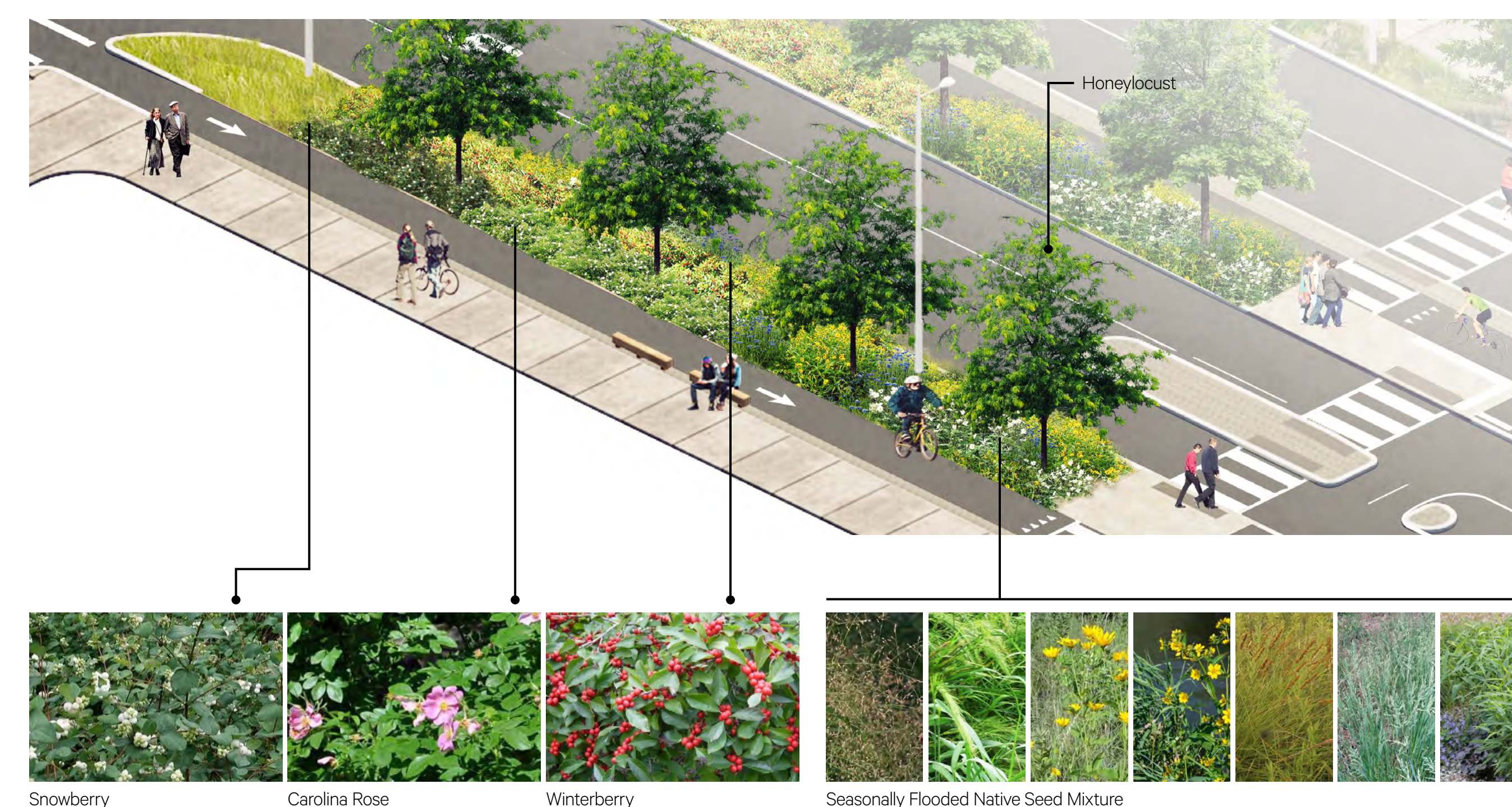
Native plant species will make up the majority of street plantings, working together with the planting design of the new park and the river valley. These plants will support green infrastructure functions, provide food for pollinators and urban wildlife and are tolerant of urban conditions.

Proposed Planting Strategy

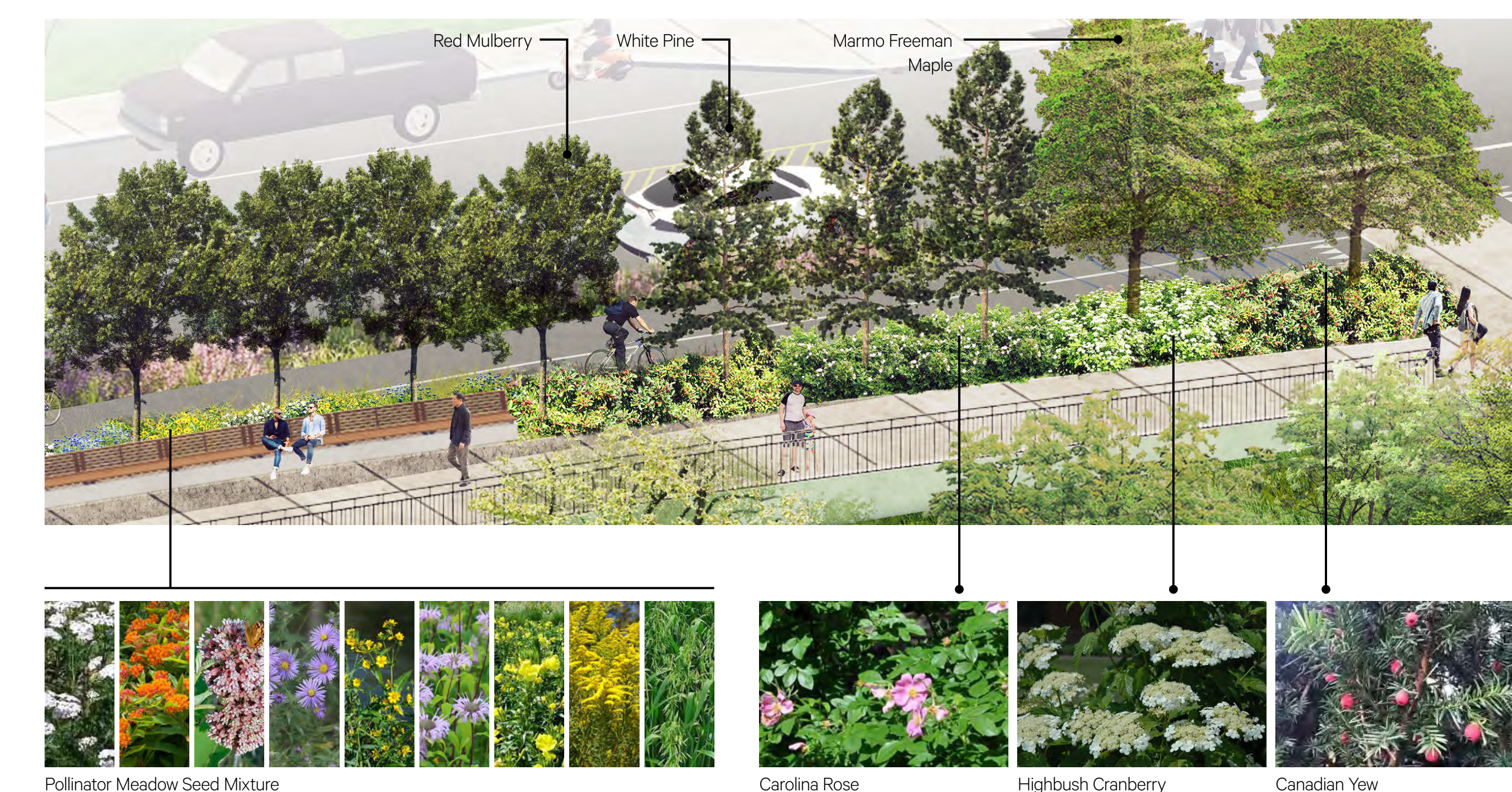
Urban Comfort and Seasonal Interest



Green Infrastructure



Wildlife Plantings - Food and Habitat



Proposed Selection of Plant Species

New Cherry Street



Commissioners Street



Don Roadway

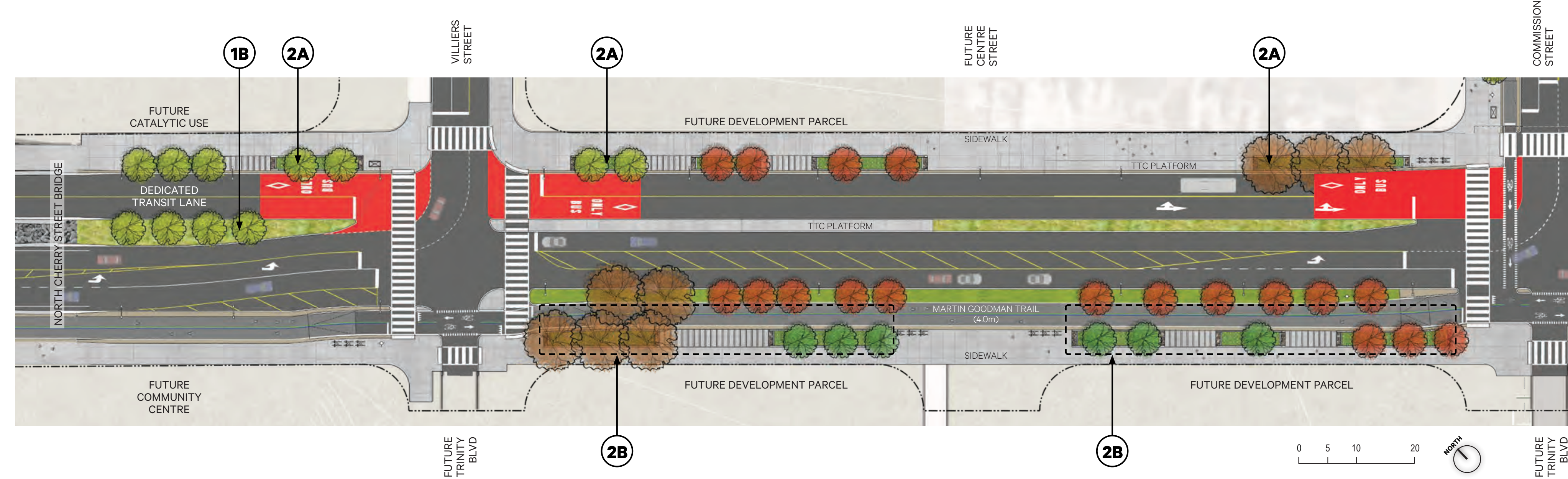


Port Lands Flood Protection

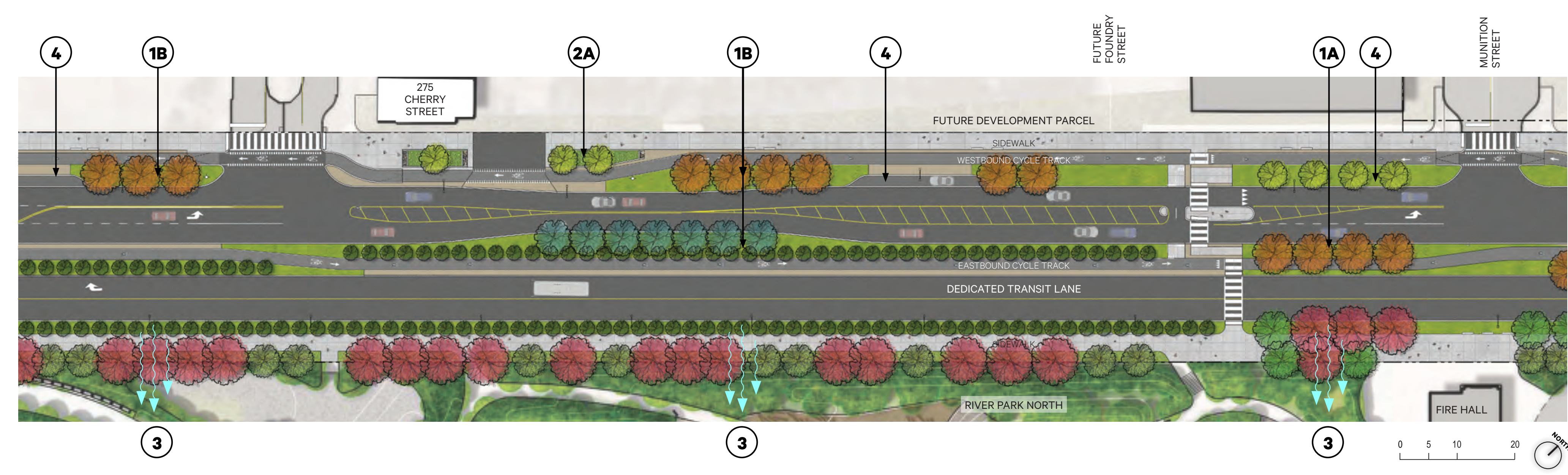
Green Infrastructure

Environmental sustainability is central in the development of the three streets for the Port Lands. Proposed green infrastructure promotes tree growth, reduce stormwater runoff, and mitigates urban heat island effect.

New Cherry Street



Commissioners Street



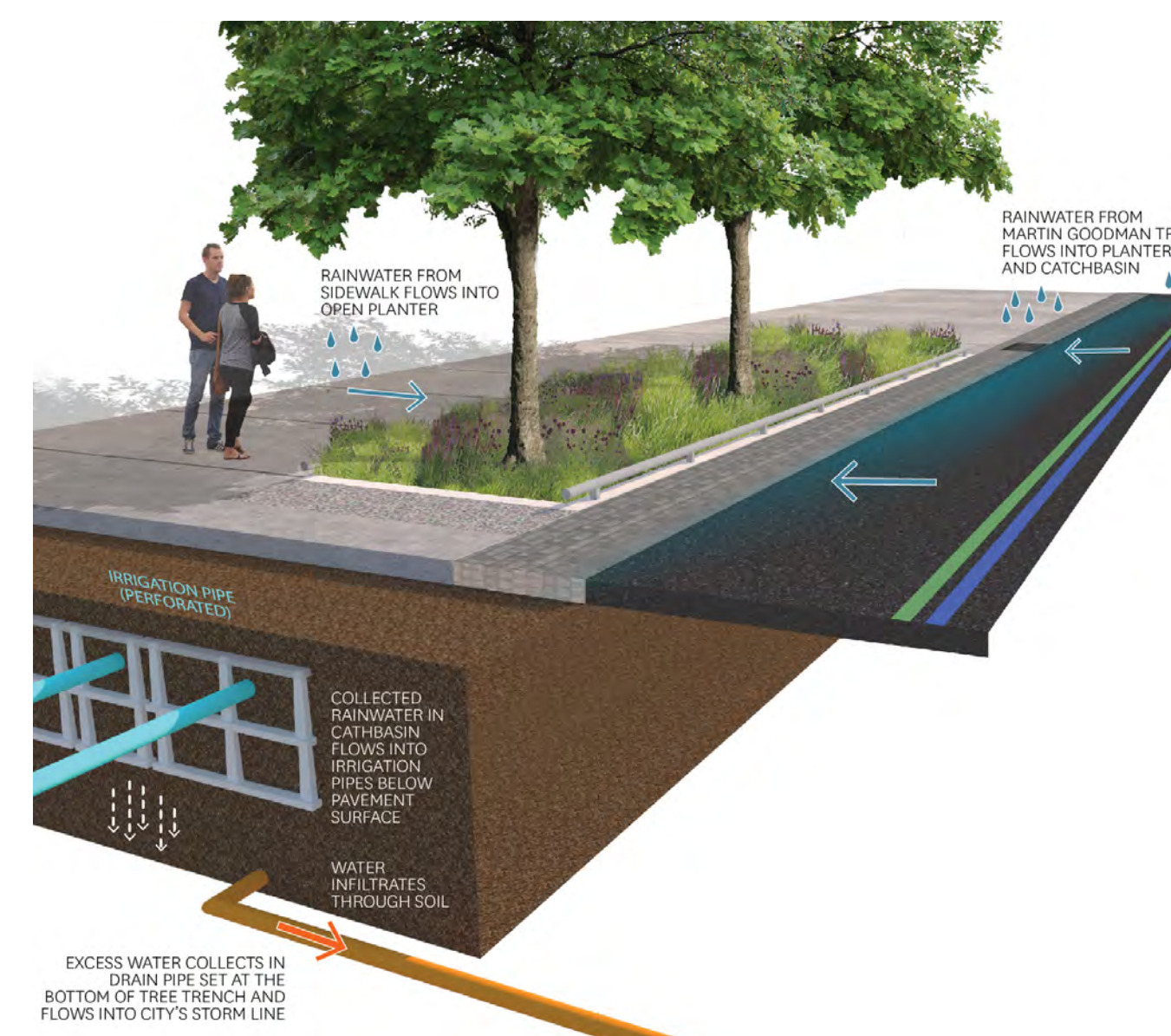
1A Enhanced grass swale



1B Bioswale



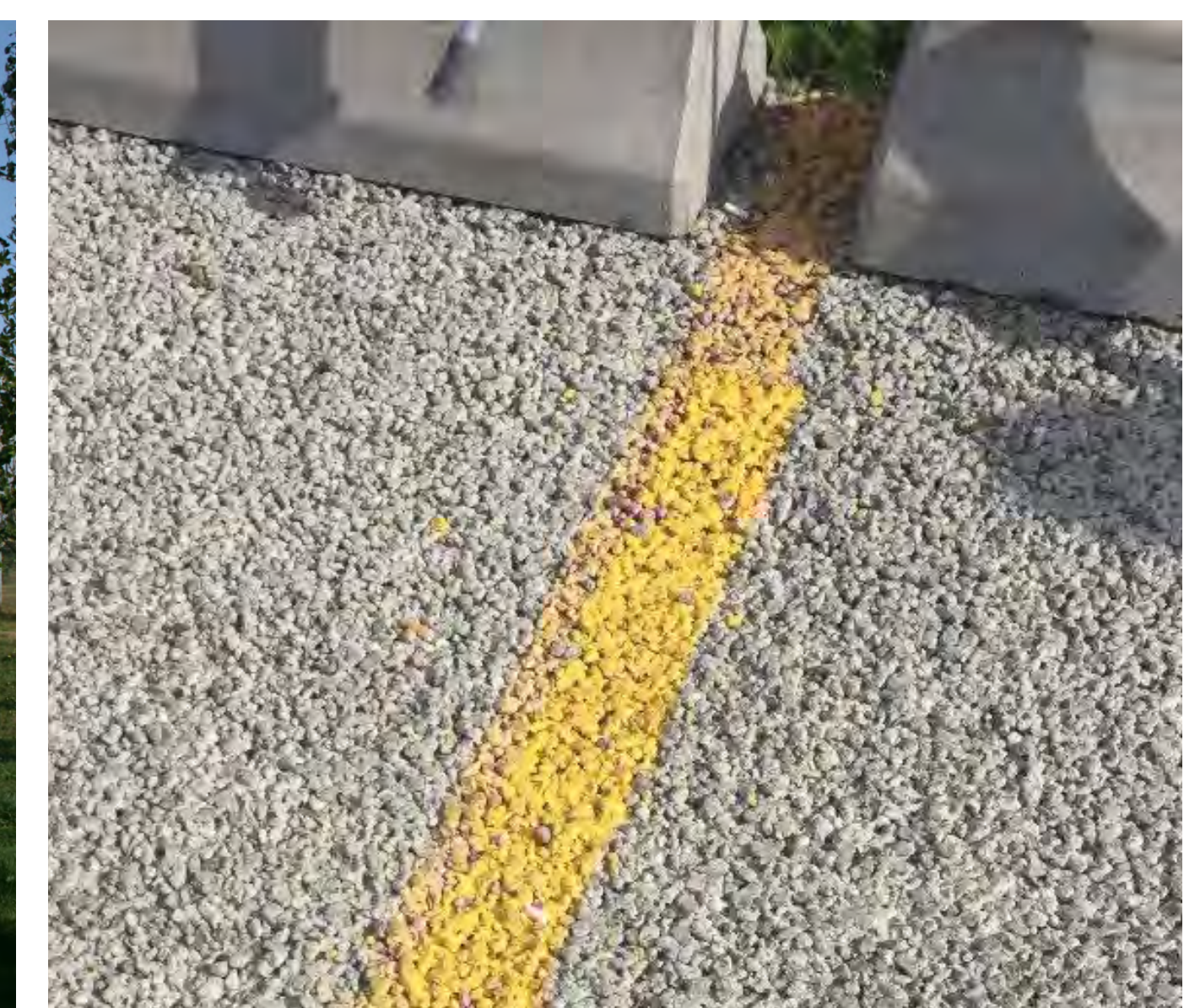
2A Open pit planter with soil cells



2B Open pit planter with soil cells and passive irrigation



3 Right-of-way edge drainage (rainwater drains from curb into park)



4 Porous asphalt