

PORTLANDS FLOOD PROTECTION

Port Lands Flood Protection Construction Liaison Committee Meeting #10
February 21, 2020



Agenda

1. Introductions
2. Construction Update: Port Lands Flood Protection
3. Upcoming Construction Work
4. Inner Port Lands Area Traffic Management
5. Hydro One
6. Discussion and Feedback

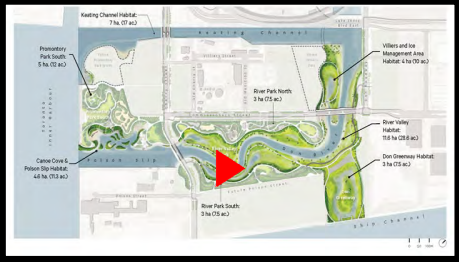
Project Overview

Port Lands Flood Protection – River Valley 2024





September 2018



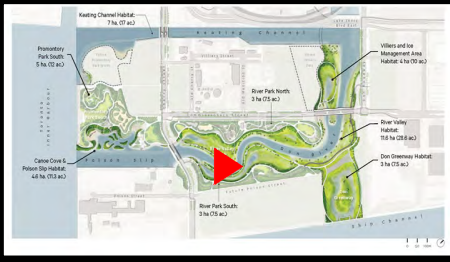
August 2019



December 2019



February 2020



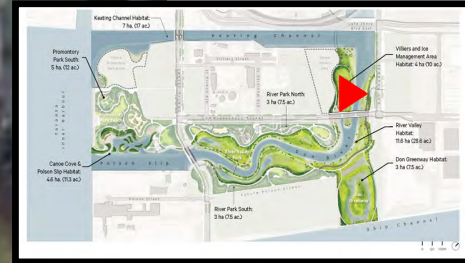
Future River Valley

Port Lands Flood Protection – Sediment & Debris Management Area 2024





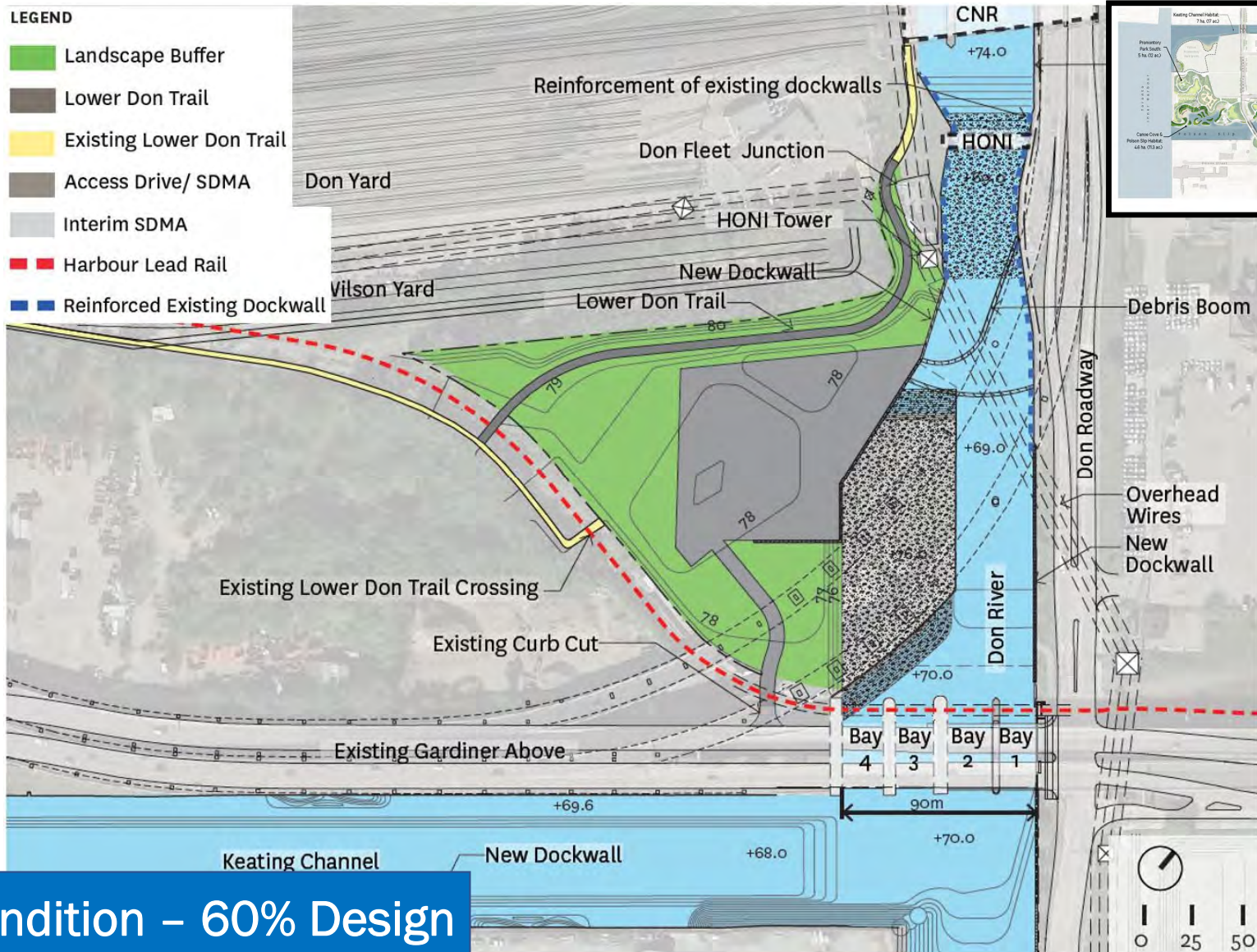
Before



February 2020

LEGEND

- Landscape Buffer
- Lower Don Trail
- Existing Lower Don Trail
- Access Drive/ SDMA
- Interim SDMA
- Harbour Lead Rail
- Reinforced Existing Dockwall



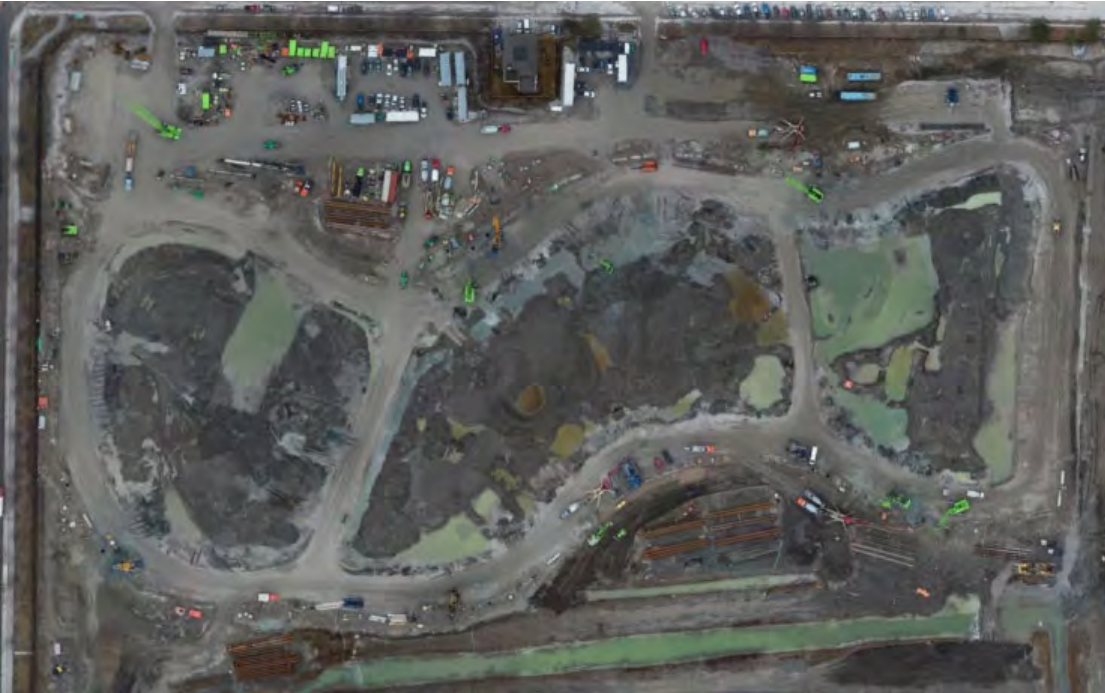
Interim Condition – 60% Design

Construction Update: Port Lands Flood Protection

River Valley Excavation



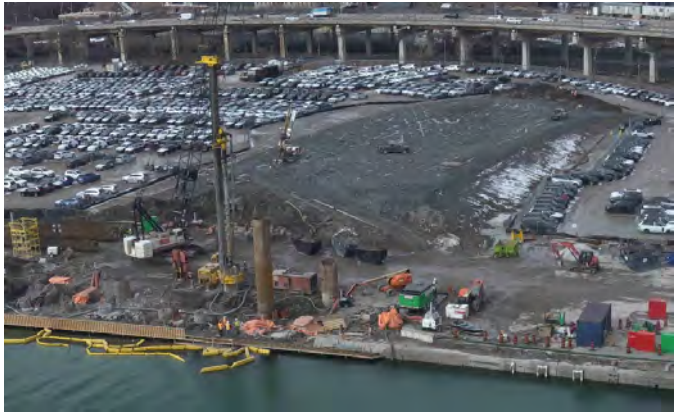
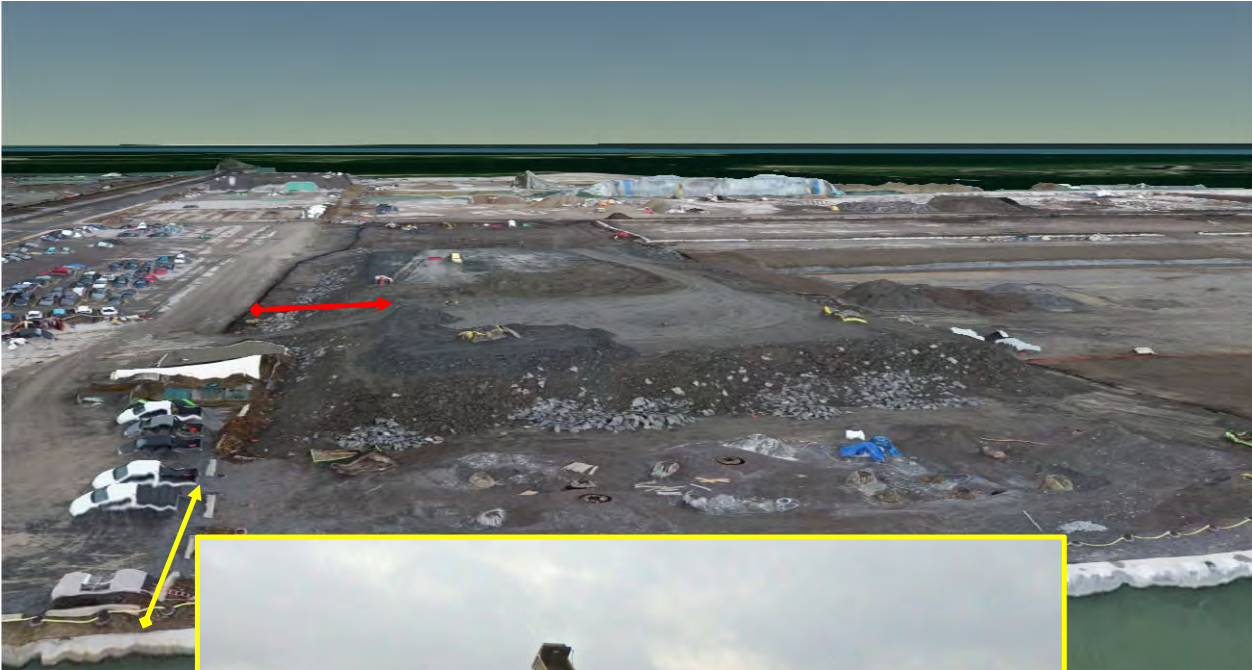
Cut-Off Walls – River Valley



Cherry Street Bridge North



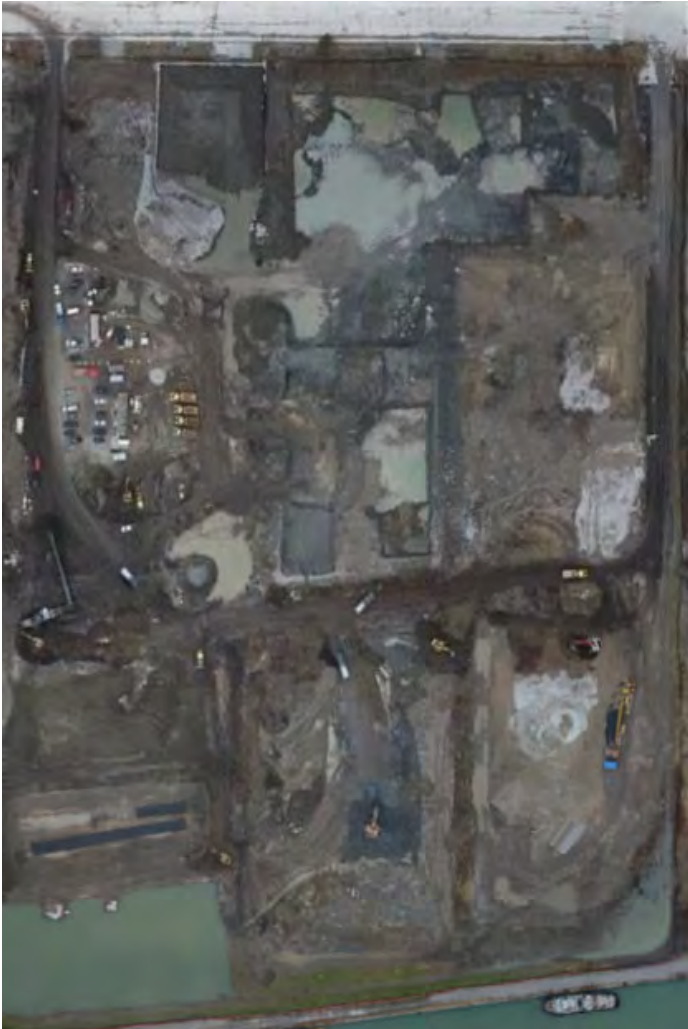
New Cherry Street Alignment



Soil Stockpiling - MT-35



Site Preparation – 63,75, 85, 95 & 99 Commissioners





JAN 30, 2020

Construction: January - March 2020



EARTHWORKS

AREA 00 – River Valley

- Cut-off walls
- Dewatering
- Excavation

AREA 03, 06, 05 – River Valley

- Shallow excavation & removal of obstructions
- Cut-off walls

AREA 07 – West Plug

- Demolition & site preparation
- Temporary dock wall installation

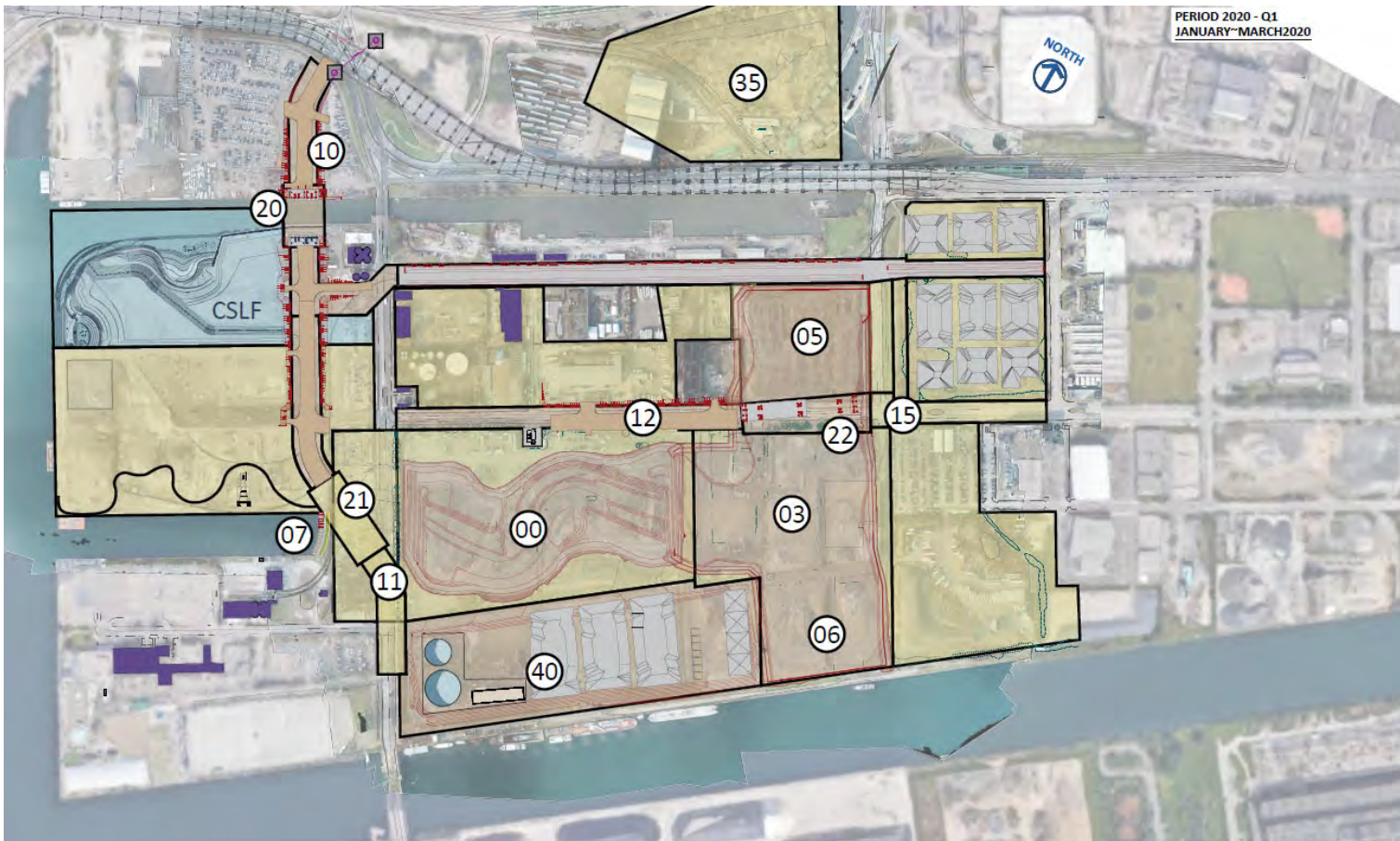
AREA 35 – Sediment & Debris Management Area

- Tree removal
- Demolition & site preparation

AREA 40 – Soil | Water Treatment Area & Stockpile Area #1

- Stockpiling of soil and soil treatment facility

Construction: January - March 2020



ROADS & BRIDGES

AREA 10 – Cherry Street North

- Micro tunneling under Lake Shore
- Preloading

AREA 20 – North Cherry Street Bridge

- Bridge sub-structure & foundation
- Dockwall

AREA 21- South Cherry Street Bridge

- Site preparation – north abutment

AREA 11 – Cherry Street South

- Demolition & site preparation

AREA 12 – Commissioners Street West

- Road demolition & site preparation
- Preloading
- Relocation of existing utilities

AREA 22 – Commissioners Street Bridge

- Bridge sub-structure & foundation

AREA 15 – Commissioners Street East

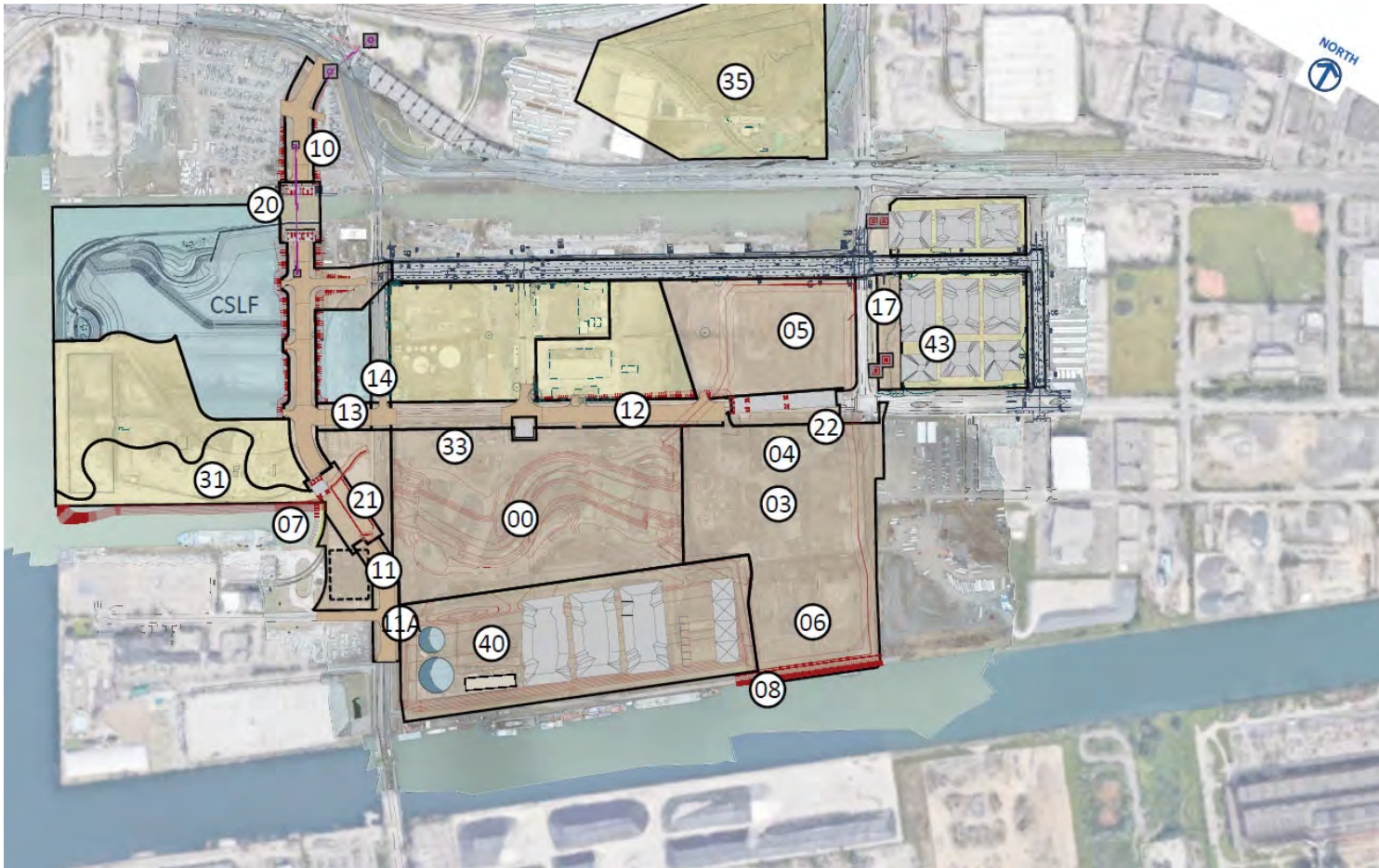
- Road demolition & site preparation

MONITORING (SITE-WIDE):

- Air, dust, noise, odour, weather
- Turbidity
- Surface-water quality
- Vibration
- Soil and groundwater

Upcoming Construction Work

Upcoming Construction: April – June 2020



EARTHWORKS

AREA 00 – River Valley

- Cut-off walls
- Dewatering
- Excavation

AREA 03, 04, 05 & 06 – River Valley

- Cut-off walls

AREA 07 – West Plug

- Temporary dock wall installation
- Cut-off walls
- Shallow excavation

AREA 08 – South Plug

- Site preparation & sheet piling
- Excavation
- Demolition of existing dockwall

AREA 35 – Sediment & Debris Management Area

- Tree removal
- Demolition & site preparation

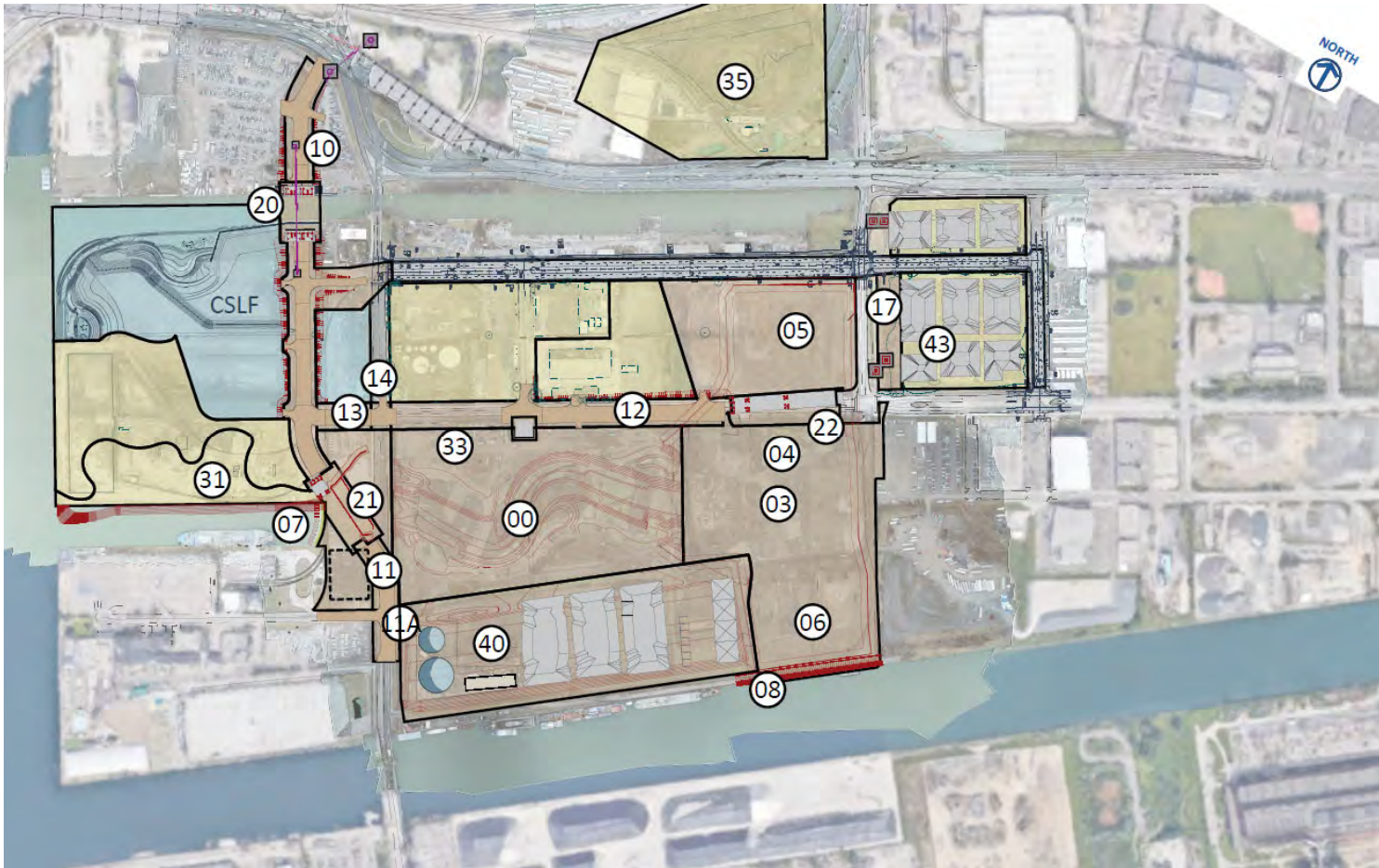
AREA 40 – Soil | Water Treatment Area & Stockpile Area #1

- Stockpiling of soil and soil treatment facility

AREA 43 – Don Roadway Valley Wall Feature

- Stockpiling of soil and soil treatment facility

Upcoming Construction: April – June 2020



ROADS & BRIDGES

AREA 10 – Cherry Street North

- Micro tunneling under Lake Shore
- Preloading

AREA 11 & 11A – Cherry Street

- Earthworks

AREA 12 – Commissioners Street West

- Road demolition & site preparation
- Preloading
- Relocation of existing utilities

AREA 13 & 14 – Commissioners & Cherry Street

- Earthworks

AREA 20 – North Cherry Street Bridge

- Bridge sub-structure & foundation
- Dockwall

AREA 21 – South Cherry Street Bridge

- Site preparation – north abutment

AREA 22 – Commissioners Street Bridge

- Bridge sub-structure & foundation

MONITORING (SITE-WIDE):

- Air, dust, noise, odour, weather
- Turbidity
- Surface-water quality
- Vibration
- Soil and groundwater

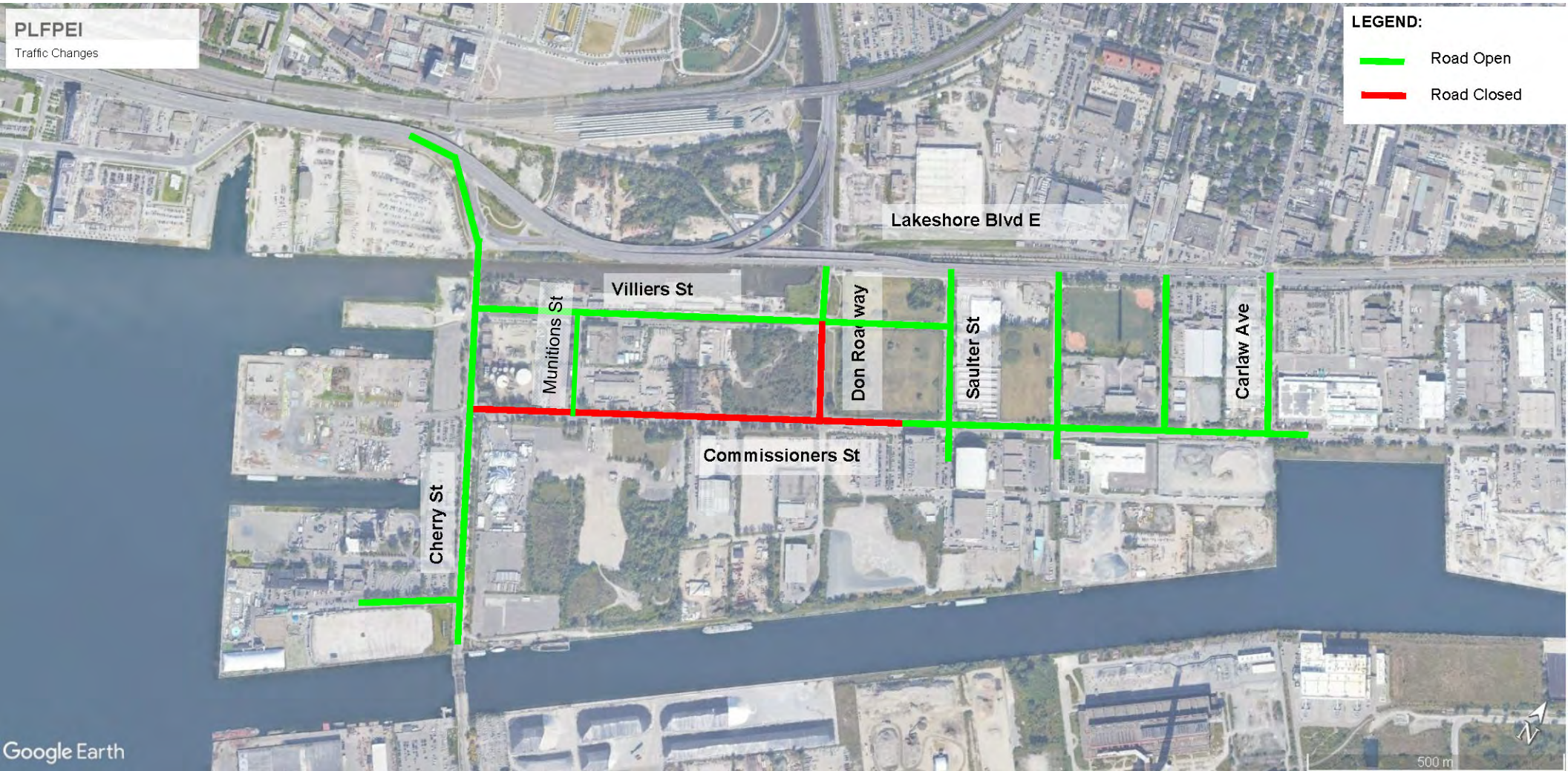
Traffic Management Plan – Inner Port Lands Area

March 2020: Ongoing Closures Commissioners Street & Don Roadway

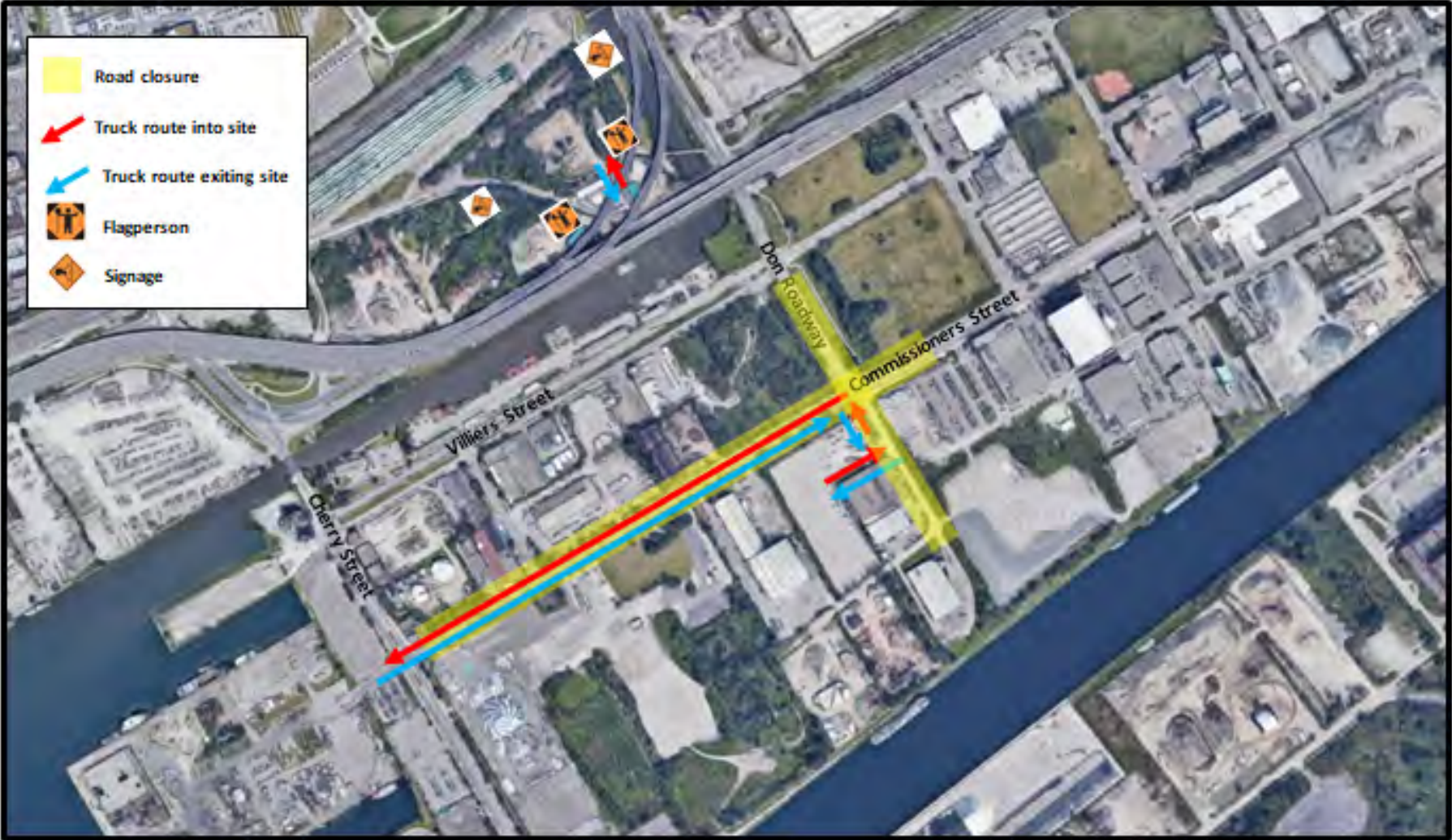
PLFPEI
Traffic Changes

LEGEND:

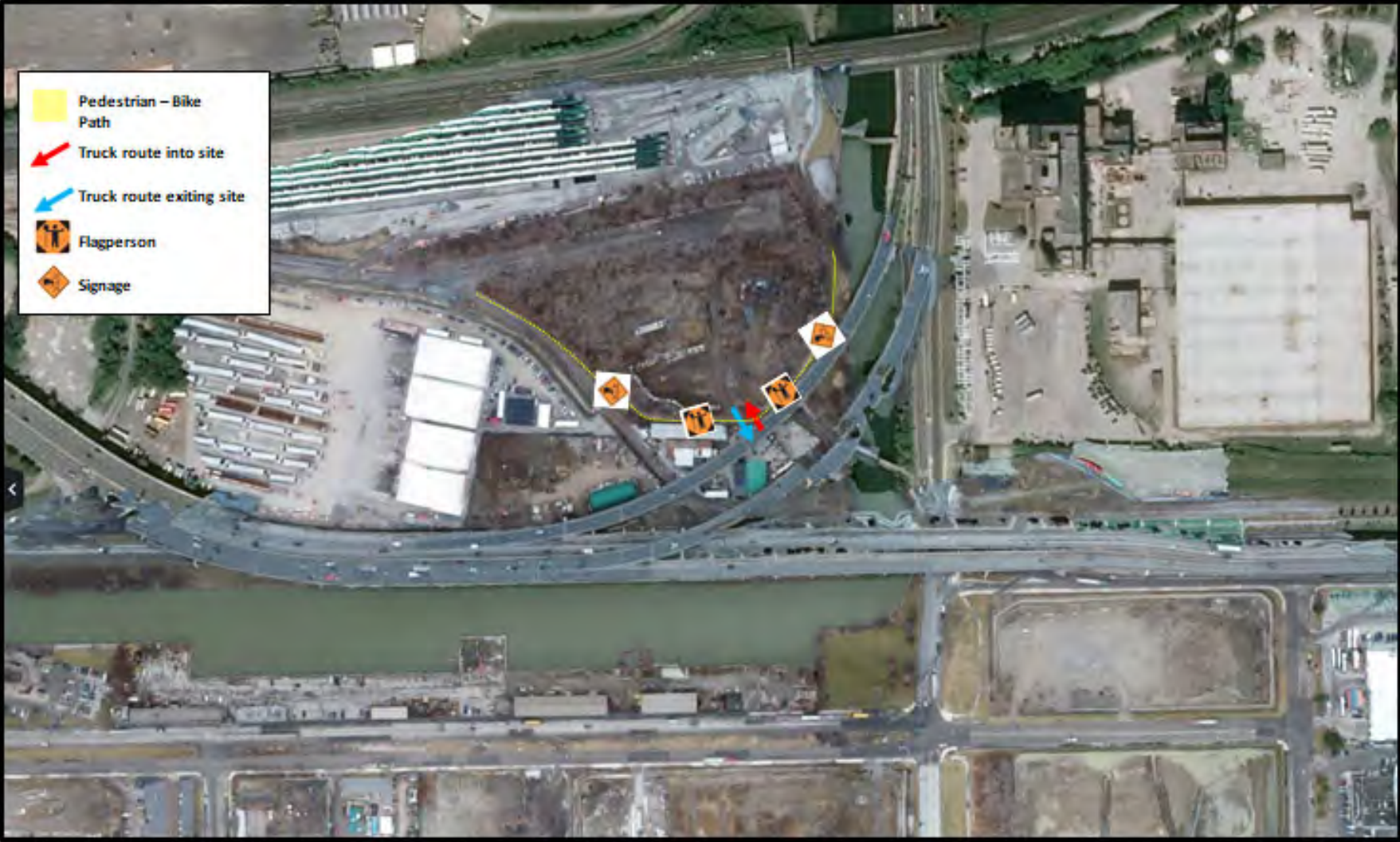
-  Road Open
-  Road Closed



March 2020: Truck Routes – Overall



March 2020: SDMA Truck Routes



Sediment and Debris Management Area – Coordination



Metrolinx

Metrolinx

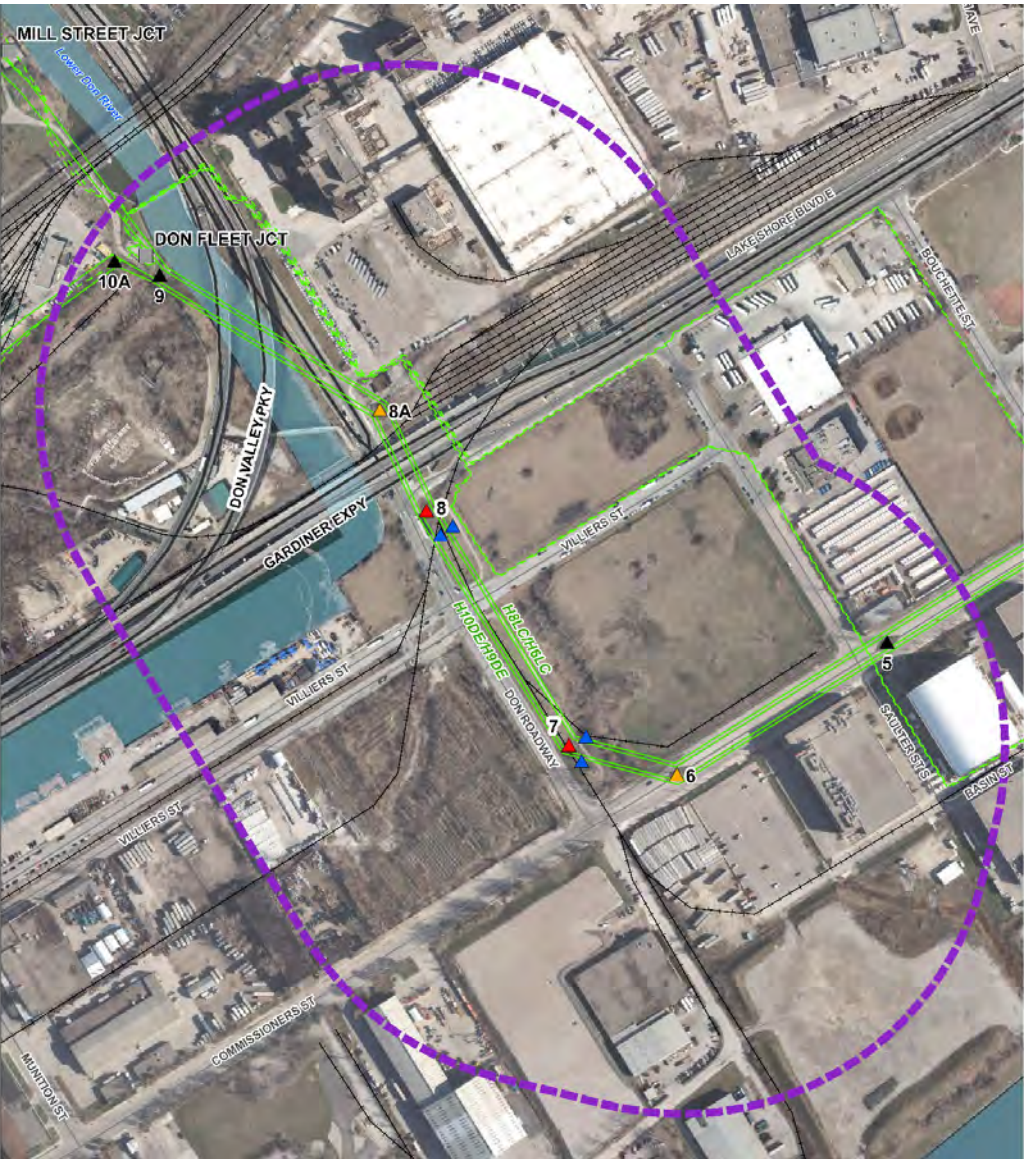
City

Waterfront Toronto

Lower Don Trail

– Summer 2020

Hydro One






Prepared by Inergy Ltd. 100 Dundas Street West, Toronto, Ontario M5G 1L2
 Date: 01/21/2017
 Project: The Waterfront Toronto Port Lands

115kV Overhead
 115kV Underground

 Structure to be Removed
 Structure to be Modified
 Existing Structure
 Junction

 Road
 Highway
 Railway
 Watercourse
 Water

 Approximate Location of Proposed New Structure
 Class EA Study Area

Waterfront Toronto Port Lands Flood Protection Transmission Line Relocation: Class EA Study Area

1:3,000




Discussion and Feedback