

City of Niagara Falls

Millennium Recreational Trail – Section 5

Dorchester Road to Drummond Road

April 25, 2018

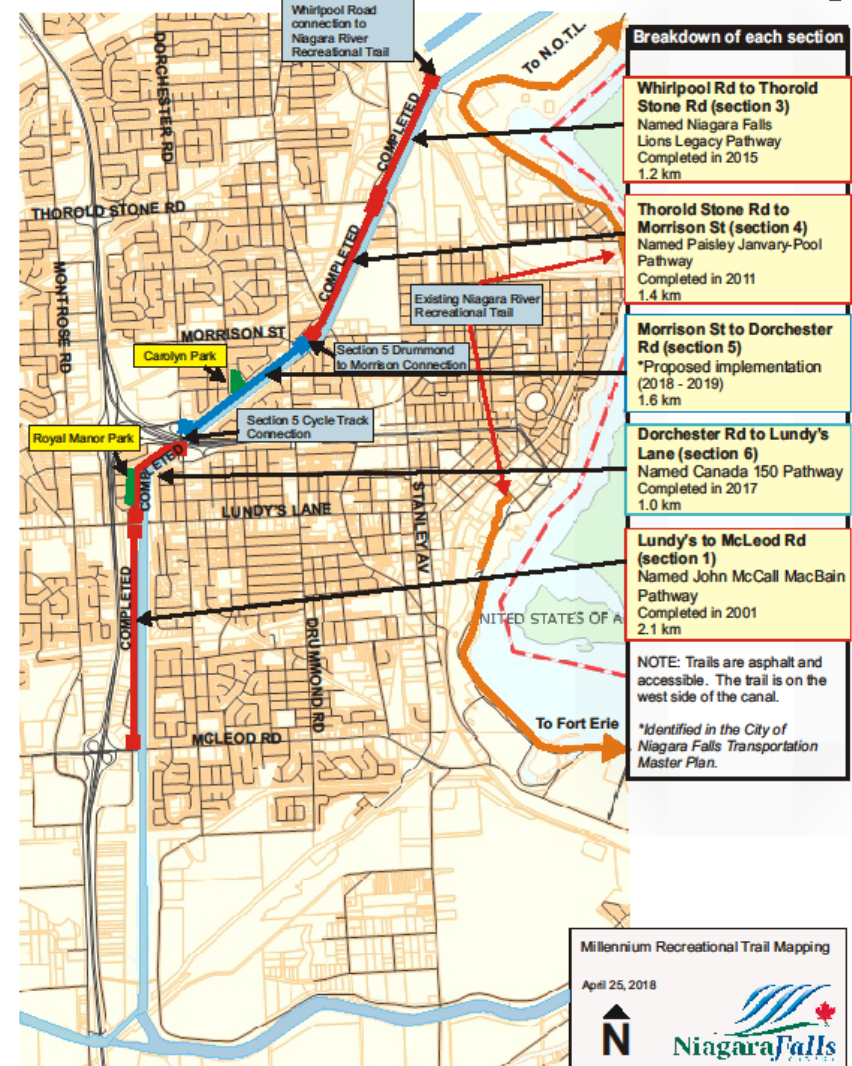


- + Introduction**
- + Overview of Millennium Trail**
- + Project Authorities Involved:**
 - + OPG**
 - + Niagara Region**
 - + City of Niagara Falls**
- + Trail Design Objectives**
- + Story Walk Panels**
- + Walk-through of Proposed Trail Location**
- + Connection to Adjacent Trail Sections**
- + Tree Preservation and Planting**
- + Trail Maintenance & Security**
- + Timeline**
- + Questions**

Millennium Recreational Trail

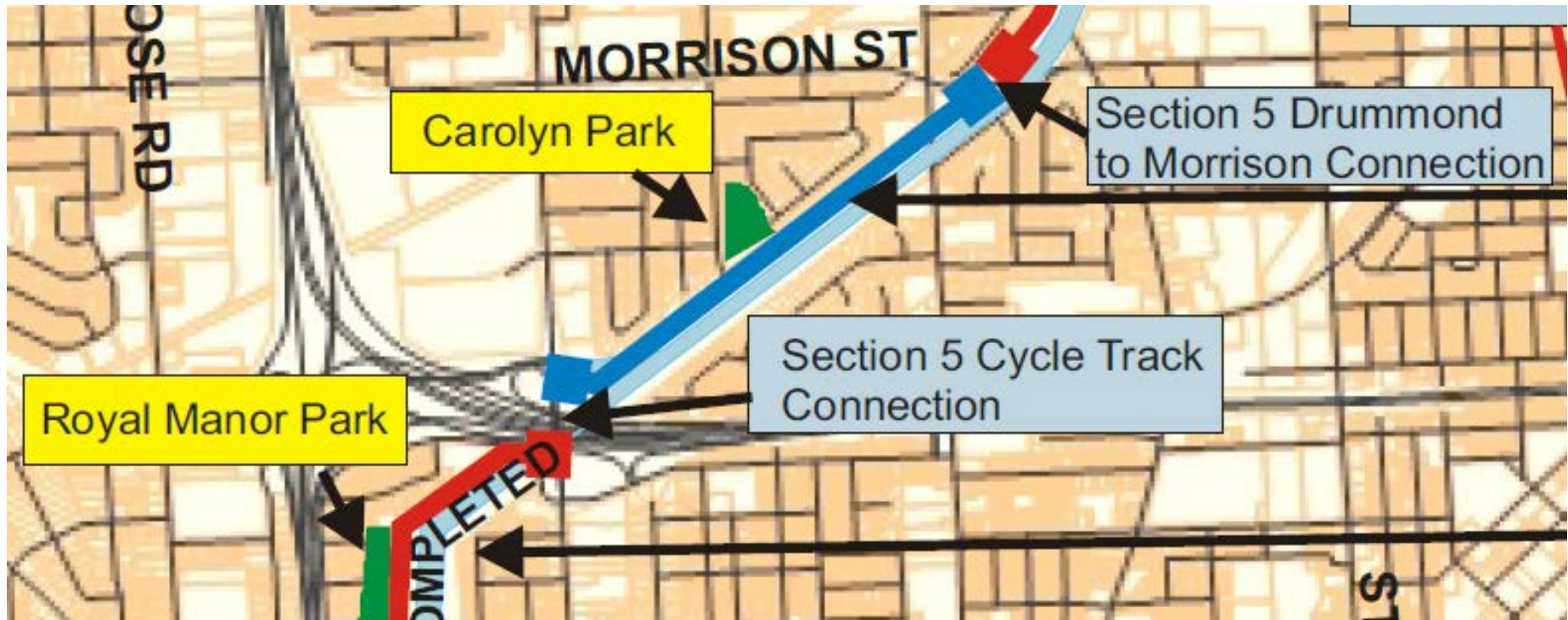
- + Multi-Use Trail 3m (10ft) wide asphalt surface
- + AODA (Accessibility for Ontarians with Disabilities Act) compliance

Millennium Recreational Trail Mapping



+ Section 5

- + Dorchester Road to Drummond Road
- + Length +/- 1600m



+ Ontario Power Generation

– Public Safety

- Chain Link Fence to be replaced (8' height)
- Tree clearing for 4.5m / 16' clear space required behind fence for maintenance
- Gates to be provided for maintenance access

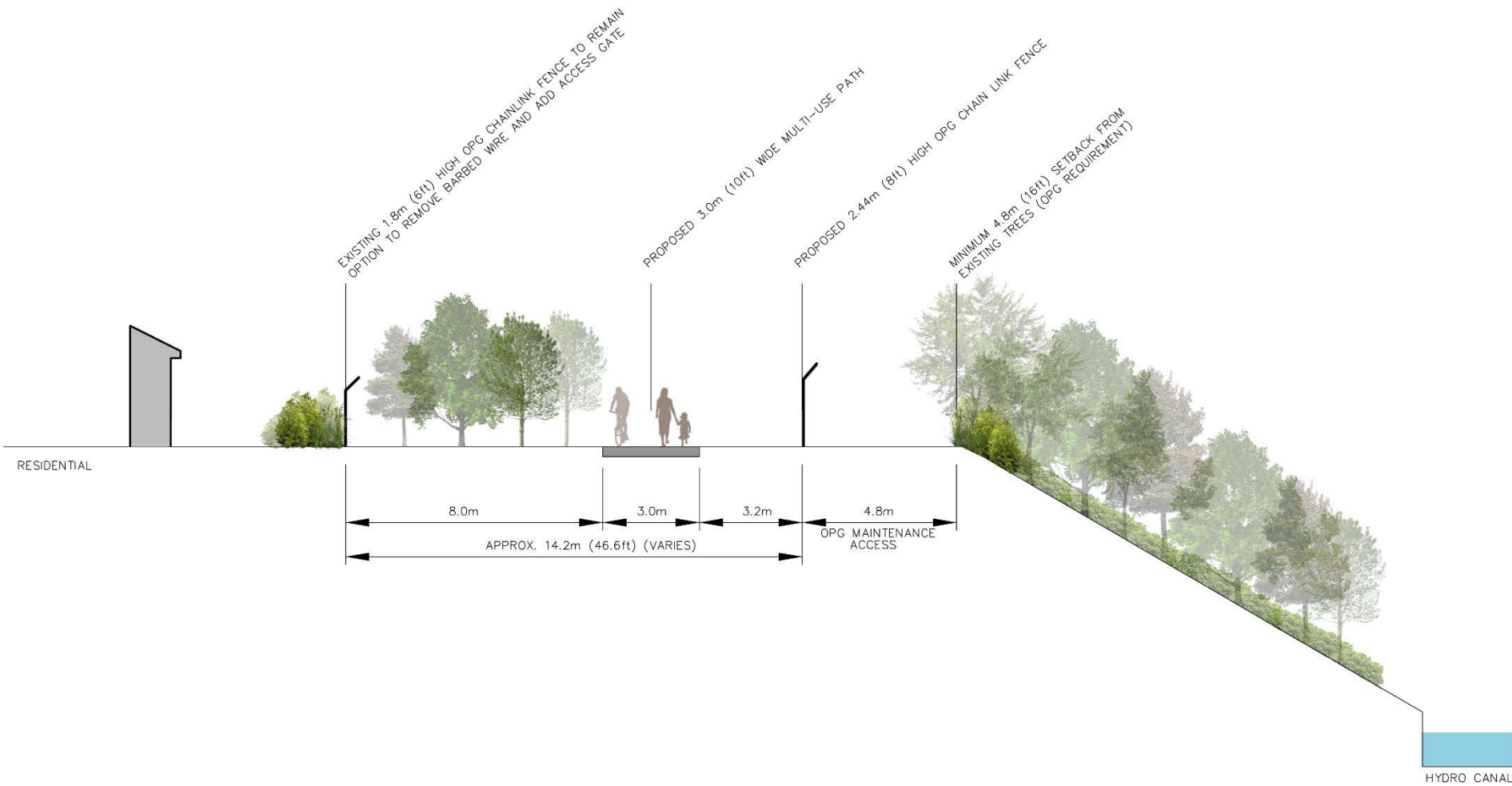
+ Niagara Region

- Access to pumping station
- Sewer relining project through OPG corridor

+ City of Niagara Falls

- Millennium Trail Section 5 and connections
- Assuming maintenance through OPG corridor
- Fence removal between Carolyn Park and OPG corridor
- Planting
- Homeowner gate access to trail corridor

Trail Section



+ Safety & Visibility

Open views, visibility from roadways and residents, CPTED (Crime Prevention Through Environmental Design)

+ Privacy & Buffer

Landscape buffers, fencing & trail placement

+ Connection Opportunities - Trail & Bikeway Network

Opportunity to connect trails with parks

+ Signage

Trailhead signage

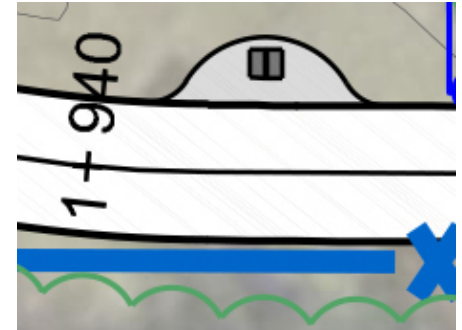
+ Amenities

Opportunities for bench locations, garbage & recycling

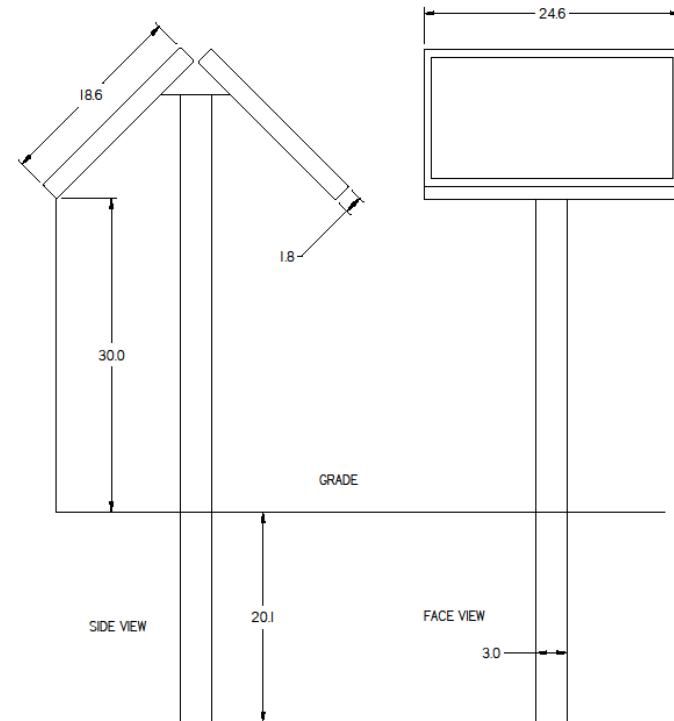
+ Landscape Treatment

Removal of existing declining vegetation, planting opportunities

Story Walk Panels



STORYWALK SOLUTIONS BACK TO BACK FRAME



Trail Walkthrough – South end near Dorchester



Trail Walkthrough – South end near Dorchester



Trail Walkthrough – South end near Dorchester



Trail Walkthrough – South end near Dorchester



Trail Walkthrough – South end near Dorchester



Trail Walkthrough – South end near Dorchester



Trail Walkthrough – pumping station access



Trail Walkthrough – south of Carolyn Park



Trail Corridor, Dorchester to Carolyn Park



Trail Walkthrough – adjacent to Carolyn Park



Trail Walkthrough – adjacent to Carolyn Park



+ Fence Removal along Carolyn Park

- + Integrate park & trail + improve park vegetation with large shade trees



Trail Walkthrough – north of Carolyn Park



Trail Walkthrough – north of Carolyn Park



Trail Walkthrough – north end near Drummond



Trail Corridor, Carolyn Park to Drummond



Completed Section 6 Adjacent to Royal Manor Park



Completed Trail Section 6



Completed Trail Section 6



Completed Trail Section 6



Completed Trail Section 6 - Signage

+ Trail Entrance at Royal Manor Drive



Dorchester Road Connection

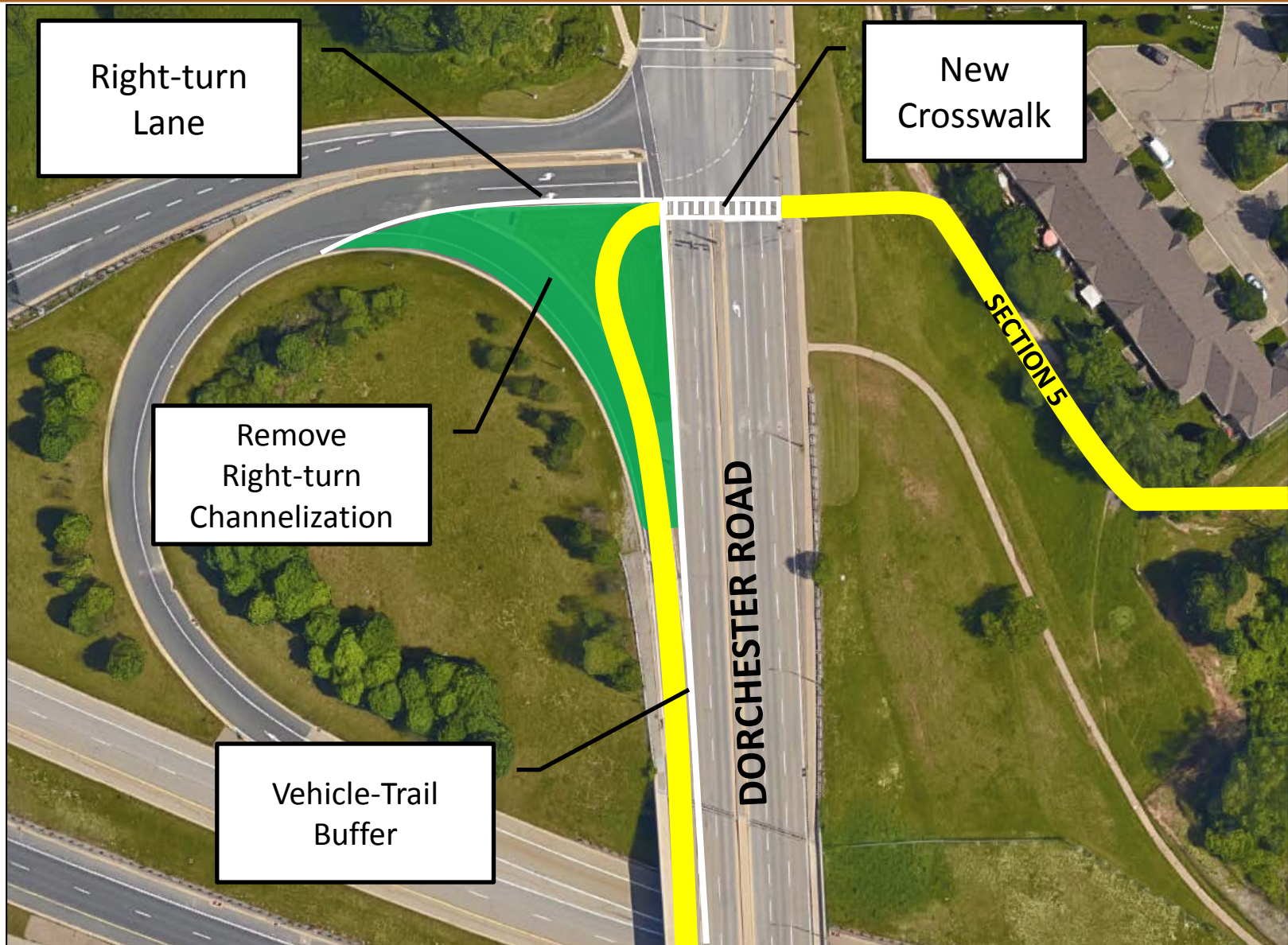


Dorchester Road Connection

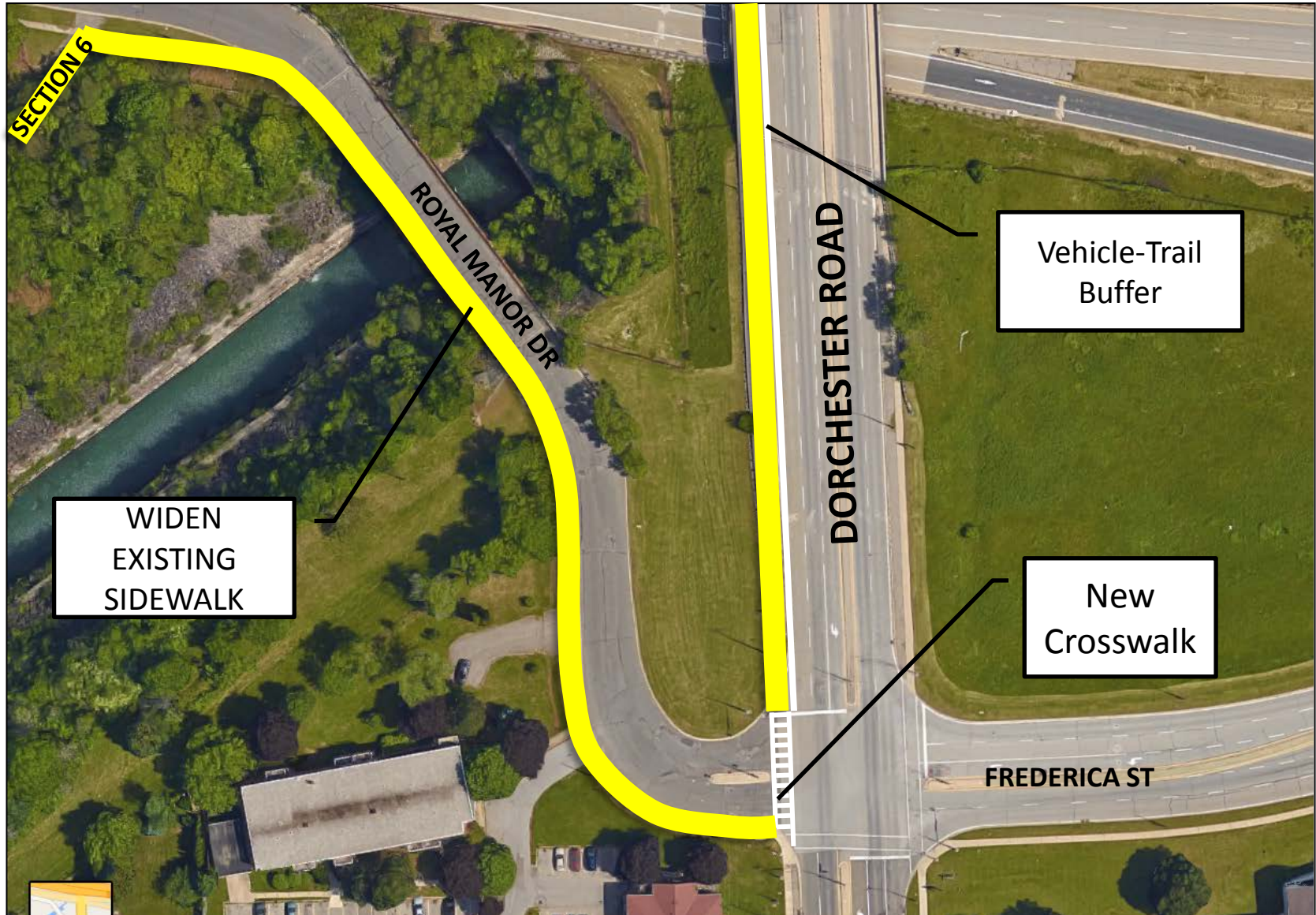
- + MTO jurisdiction
- + Existing traffic signals



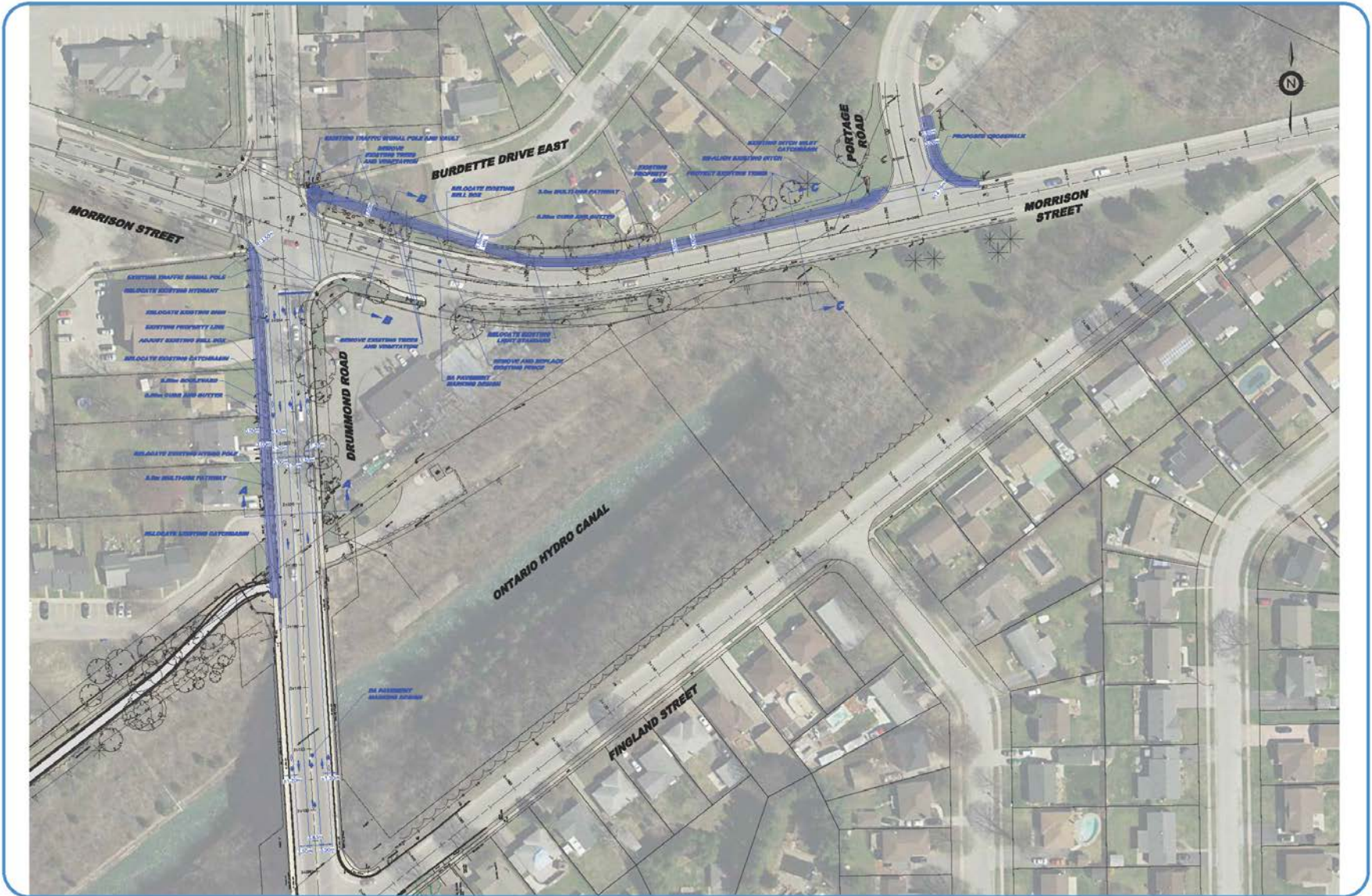
Dorchester Road Connection



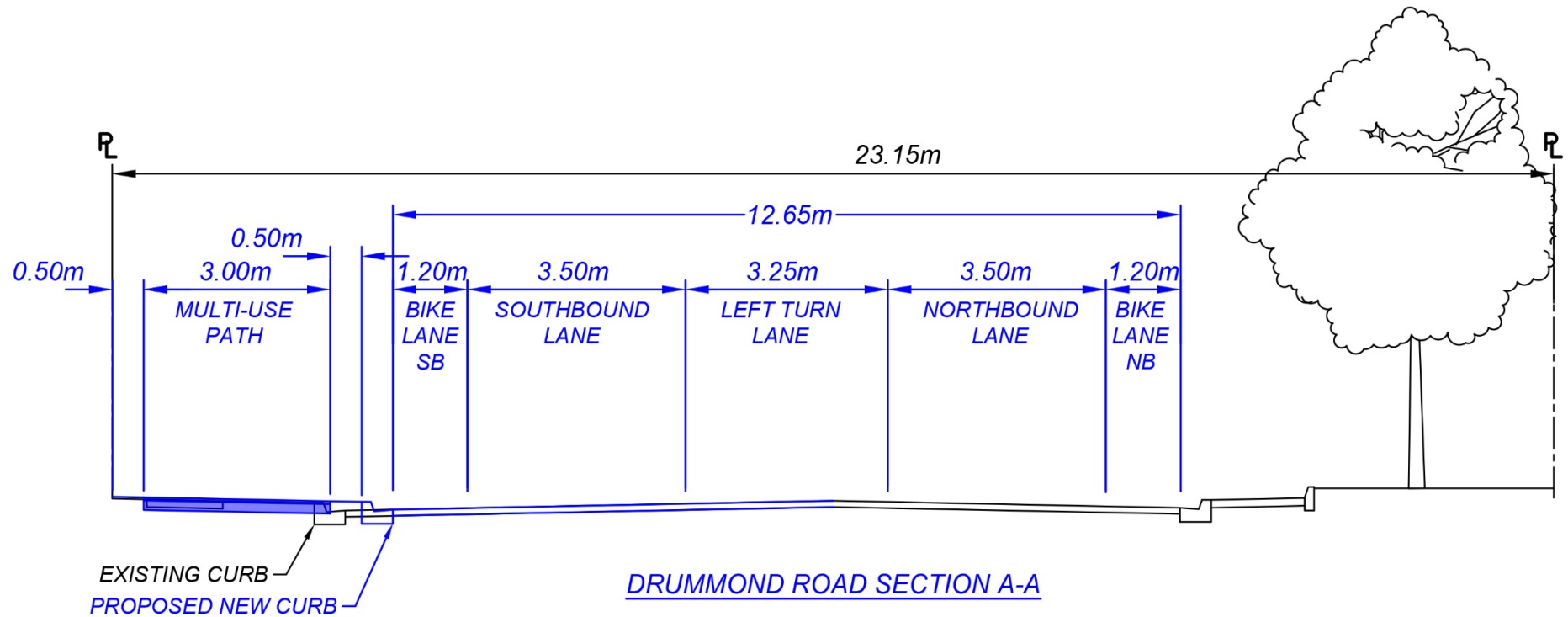
Dorchester Road Connection



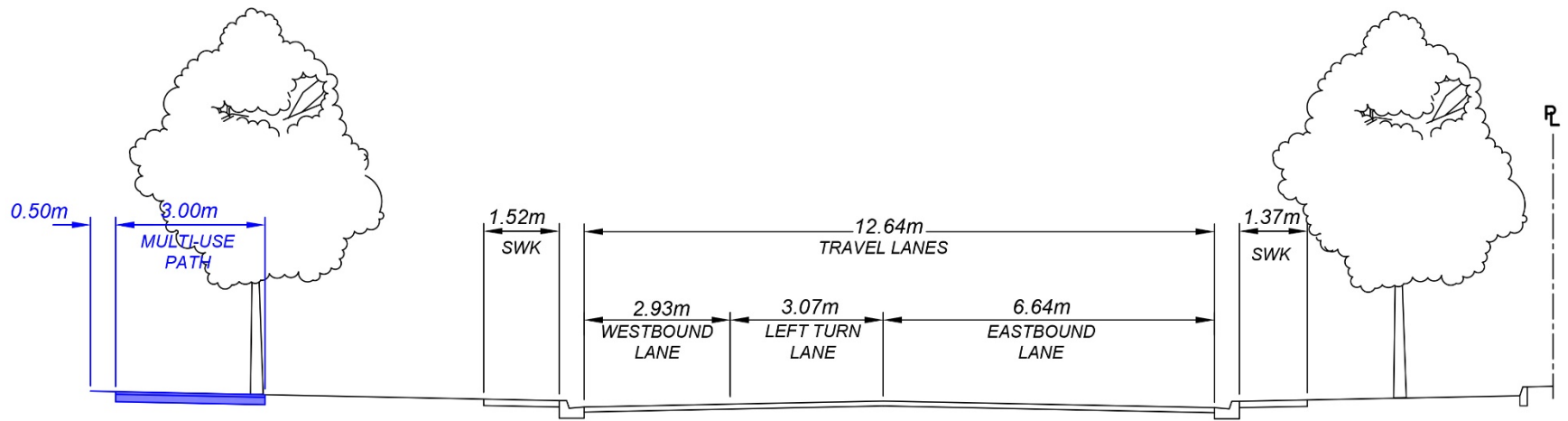
Drummond/Morrison Connection



Drummond/Morrison Connection

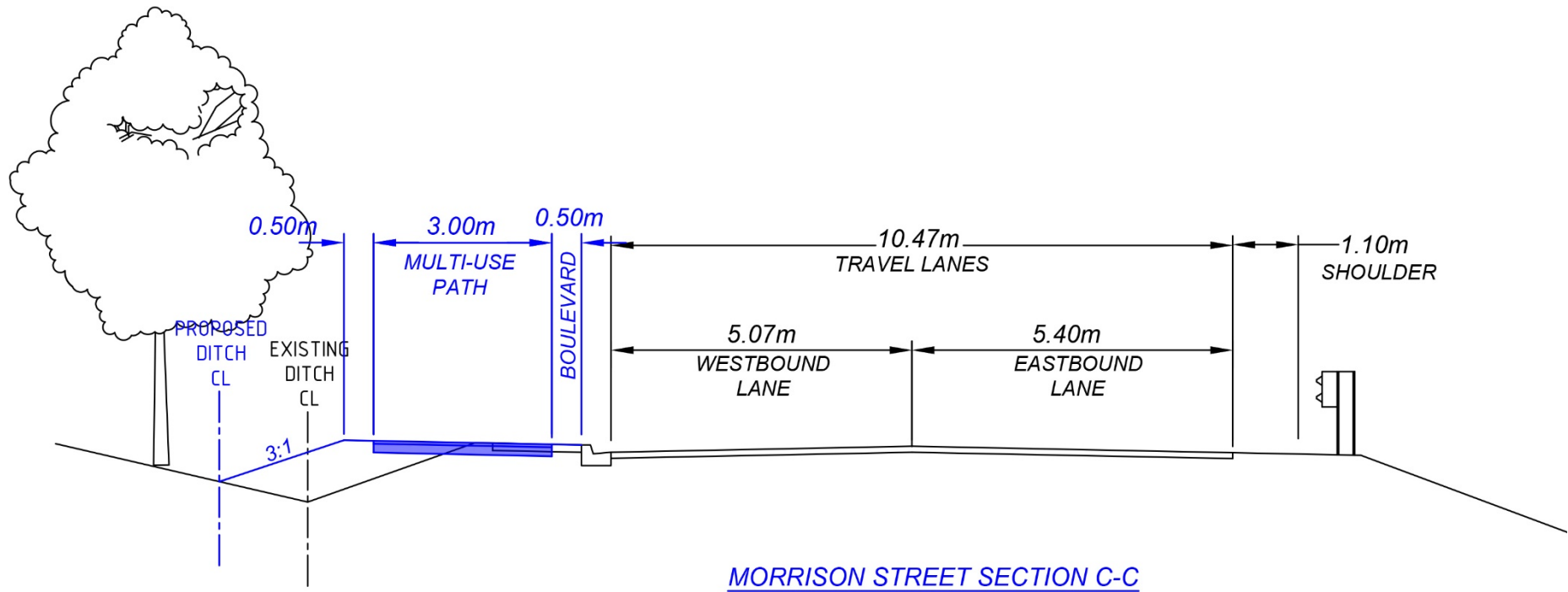


Drummond/Morrison Connection



MORRISON STREET SECTION B-B

Drummond/Morrison Connection



Drummond / Morrison Connection



Drummond / Morrison Connection



Drummond / Morrison Connection



Drummond / Morrison Connection



Drummond / Morrison Connection



Drummond / Morrison Connection



Drummond / Morrison Connection



Tree Preservation and Planting

- + Existing trees in good condition to be preserved where possible
- + Additional trees to be planted:
 - + Buffer between trail and adjacent homes
 - + Enhancement of trail corridor
 - + Increase species diversity
 - + Informal fruit orchard

LARGE DECIDUOUS TREES

<i>Botanical Name</i>	<i>Common Name</i>
Acer x freemanii 'Autumn Blaze'	Autumn Blaze Red Maple
Acer saccharum	Sugar Maple
Aesculus glabra	Ohio Buckeye
Gymnocladus dioicus	Kentucky Coffee Tree
Juglans nigra	Black Walnut
Liriodendron tulipifera	Tulip Tree
Platanus occidentalis	London Planetree/Sycamore
Quercus rubra	Red Oak
Sassafras Albidum	Sassafras
Tilia americana	Basswood

ORNAMENTAL DECIDUOUS TREES & LARGE SHRUBS

<i>Botanical Name</i>	<i>Common Name</i>
Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry
Cladrastis lutea	Yellowwood
Hamamelis virginiana	Witch Hazel
Ostrya virginiana	Ironwood
Maackia amurensis	Amur Maackia
Rhus typhina	Staghorn Sumac
Sambucus canadensis	Elderberry
Viburnum lentago	Nannyberry

CONIFEROUS TREES

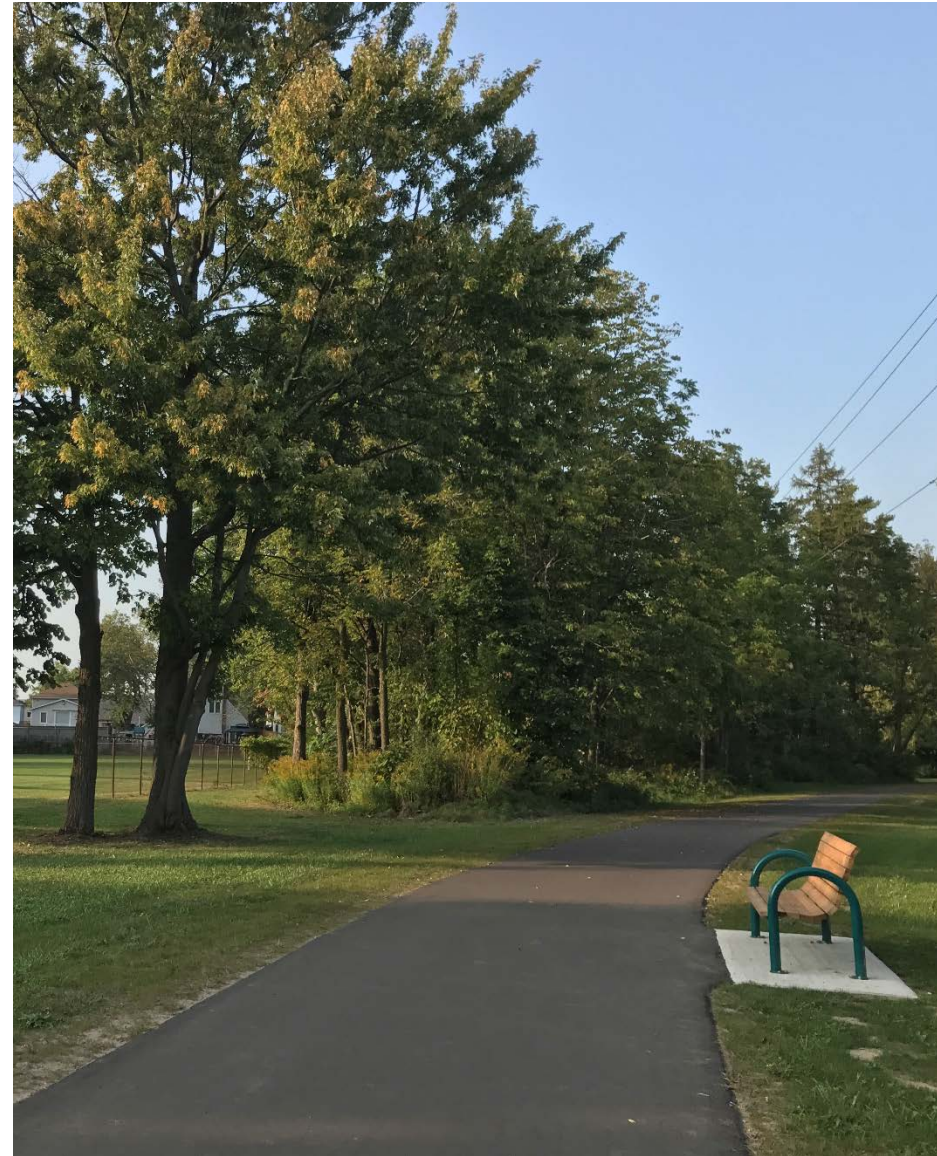
<i>Botanical Name</i>	<i>Common Name</i>
Larix laricina	Tamarack
Picea pungens	Blue Spruce
Pinus resinosa	Red Pine
Pinus strobus	White Pine
Thuja occidentalis	White Cedar, field grown

Maintenance

- + City will mow against backyard fences along corridor
- + Spraying will occur at new OPG fence location
- + No mow zones to be established
- + Winter maintenance

Trail Safety

- + A security company will monitor and drive the trail periodically



- + OPG Tree Removal and Fence Installation – June 2018**
- + Region Sewer Relining – July - September 2018**
- + Trail Construction – Late Fall 2018**

COMMENTS & QUESTIONS



A GREAT CITY...FOR GENERATIONS TO COME

