



SENTINEL ROAD SAFETY IMPROVEMENTS

Lamberton Boulevard to Sheppard Avenue West

Virtual Public Event

February 9, 2022

Land Acknowledgement

We acknowledge the land we are meeting on is the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Huron-Wendat peoples and is now home to many diverse First Nations, Inuit and Métis peoples. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.



This meeting is being recorded

Project Team

Host: Ryan Lo

Presenter: Adam Popper

Staff answering questions: Owen McGaughey

Tech support: Nathalie Forde

Opening Remarks



Councillor James Pasternak
Ward 6 – York Centre



Councillor Anthony Perruzza
Ward 7 – Humber River-Black Creek

Agenda

6:30 p.m. Welcome and Introductions

6:40 p.m. Webex Instructions

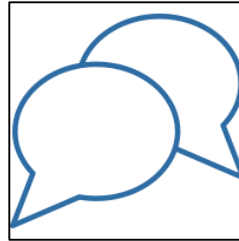
6:45 p.m. Presentation

7:30 p.m. Question & Answer Period

8:30 p.m. Meeting Adjourned

Code of Conduct

- **Be patient:** Virtual meetings don't always run as smoothly as planned.
- **Be brief:** Limit yourself to one question or comment when called on to speak.
- **Be respectful:** The City of Toronto is an inclusive public organization. Discriminatory, prejudicial or hateful comments and questions will not be tolerated and you will be removed from the meeting.

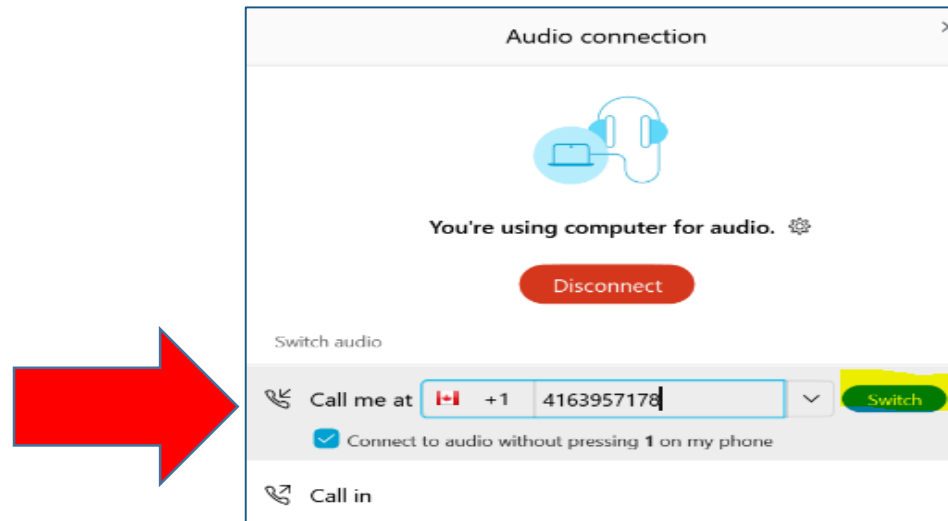
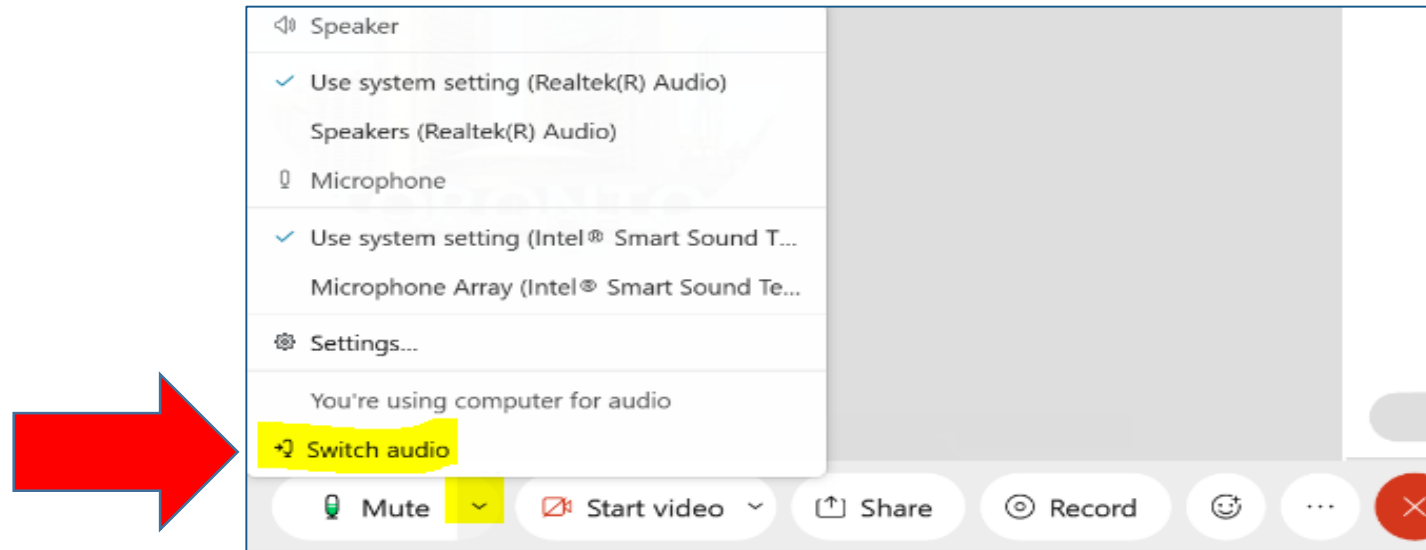


We want to hear from you – all questions are good questions!

Webex Audio Trouble?

Webex can call you!

1. Click **the arrow** beside your mute button
2. Click **“Switch audio”**
3. Use **“Call me”** function
 - Enter your phone #
 - Webex will call your phone
 - No long distance charges



Call Into the Meeting

Dial: **416-915-6530**

When prompted for a meeting number enter:

2453 462 8708

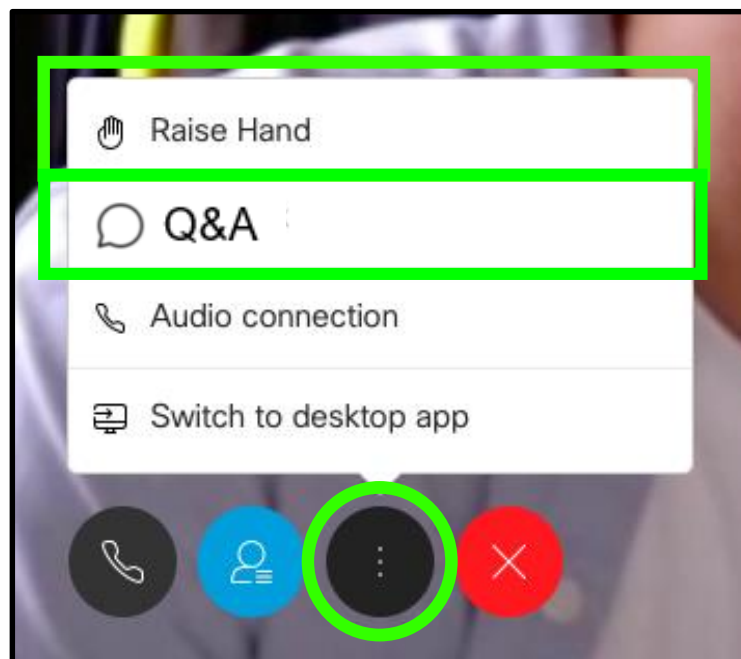
Participating by Computer

**Raise your
hand or
type your
question**



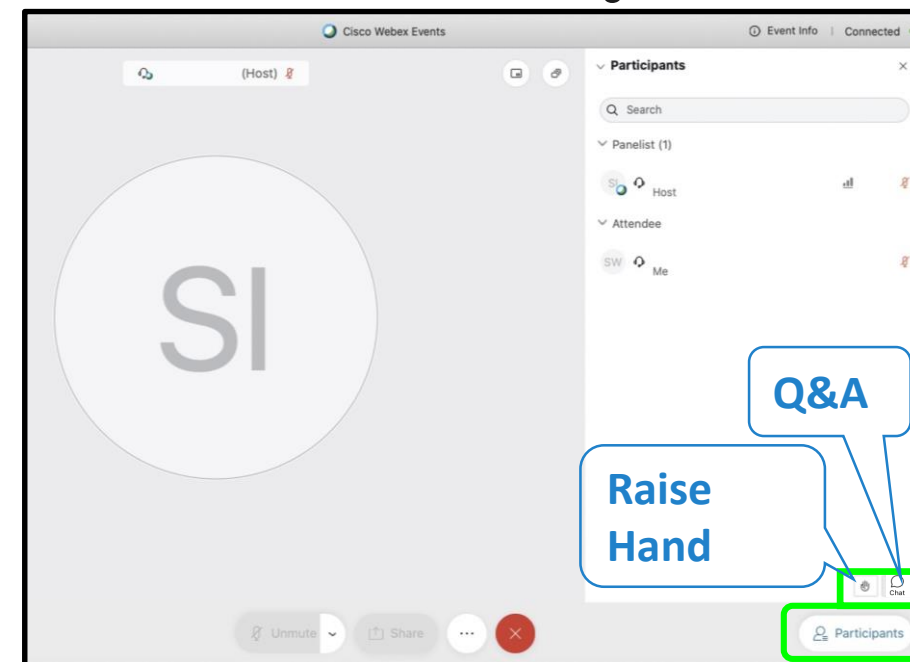
Via the internet browser

Click the “...” button at the bottom of the video window and select “Raise Hand” or “Q&A”.



Via the Webex App

Click the Participants button at the bottom of the video (the Participants panel will open to the right). Then click the “Raise Hand” or “Q&A” button at the bottom right.



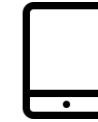
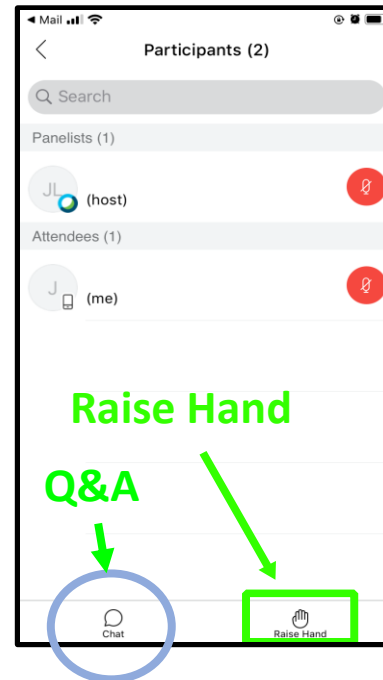
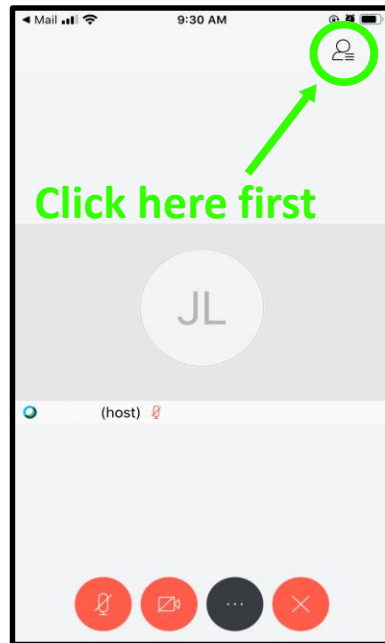
Participating by SmartPhone or Tablet

**Raise
your hand
or use the
Q&A**



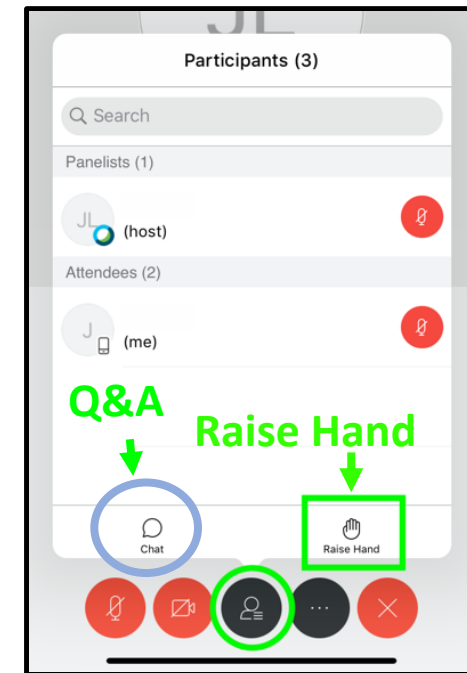
For smartphones

Click the Participants panel button at the top right corner of the screen. Then click “Raise Hand” or “Q&A” at the bottom right of the screen.



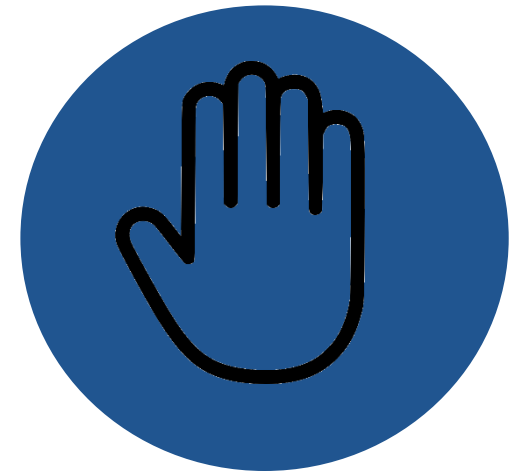
For tablets

Click the Participants panel button at the bottom of the screen. Then click the “Raise Hand” or “Q&A” button at the bottom right.



Raising your hand by Phone

- To raise your hand virtually, **key in *3.**
- The Host will see a hand up beside the last four digits of your phone number
- During the Q&A period, the Host will unmute you and let you know that you can speak



Questions & Answer Period

How to Participate

- **By Phone** - To raise or lower your hand virtually, **key in *3**.
- **By Computer** - Click the Participants button at the bottom of the video (the Participants panel will open to the right). Then click the “Raise Hand” or “Q&A” button at the bottom right.
- **For smartphones** - Click the Participants panel button at the top right corner of the screen. Then click “Raise Hand” or “Q&A” at the bottom right of the screen.

Project Team

Adam Popper, Cycling and Pedestrian Projects

Owen McGaughey, Cycling and Pedestrian Projects

Tim McCormick, IBI Group

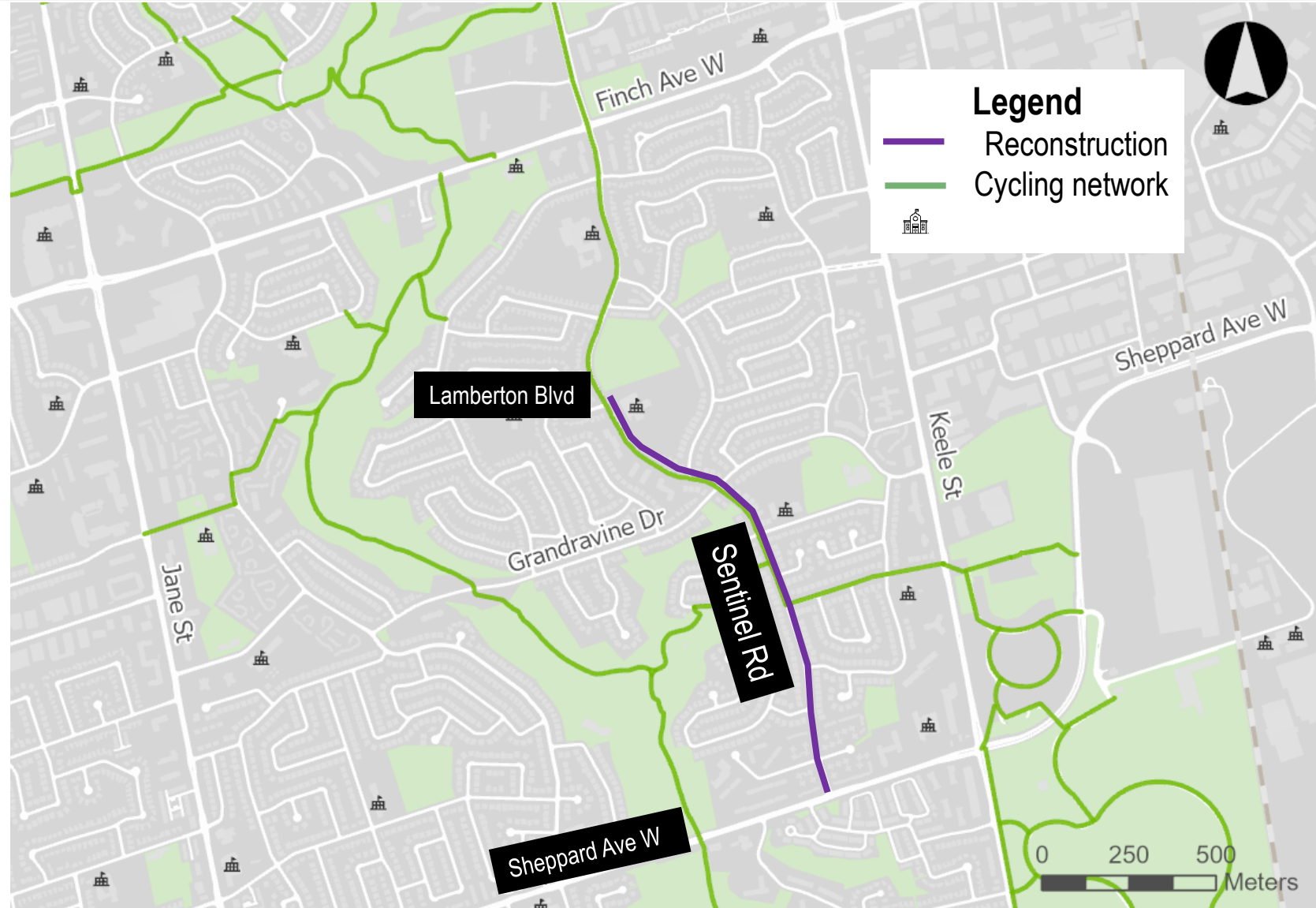
Ryan Lo, Public Consultation Unit

Nathalie Forde, Public Consultation Unit

Project Overview

Why now?

- Sentinel Road from Lamberton Blvd to Sheppard Ave W is programmed for **reconstruction in 2023** due to the poor condition of the road.
- In Toronto, a road is reconstructed every 50-100 years.
- This project provides a **once in a generation opportunity to make changes to improve operations and safety.**



Why now?



Sentinel's roadway, curbs and sidewalks are aging and in need of major repairs.



Reconstructions are the most cost-effective time to improve streets.

Project Goals

- 1. Improve safety for people walking, cycling, and driving**
- 2. Enhance the walking, cycling, and transit experience**
- 3. Maintain or enhance greening**

Policies and Plans

Toronto Policies



OFFICIAL PLAN



**HEALTHY TORONTO
BY DESIGN**



**VISION ZERO ROAD
SAFETY PLAN**



**TransformTO: CLIMATE
ACTION STRATEGY**

Toronto's Walking Strategy



UNIVERSAL ACCESSIBILITY

All public and private places and spaces should be barrier-free



SAFETY

The safety of pedestrians takes precedence over all other modes of transportation



DESIGN EXCELLENCE

High-quality design creates a positive experience for everyone



Toronto's Cycling Network Plan



CONNECT

Connect gaps in the network, and people to places



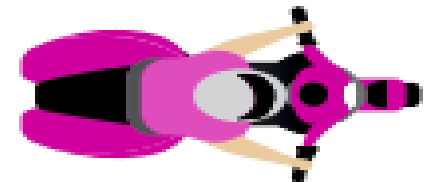
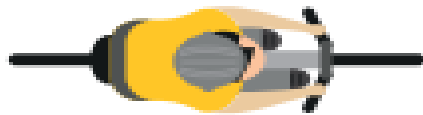
GROW

Grow the cycling network into new parts of the city



RENEW

Renew the existing cycling network routes where there are opportunities to improve quality



Existing Conditions

Existing Conditions | Overview

Traffic and parking

- 6000 - 8,000 vehicles/day
- Speed limit is 40km/hr
- “No Stopping” on both sides from Lamberton Blvd to Dovehouse Ave
- “No Parking” on both sides south of Dovehouse Ave to Sheppard Ave W

Transit

- 106 Sentinel TTC bus route, 8-20 minute service
- Walking distance to 41 and 941 Keele bus with express service

Safety

- There are three schools within 250m – Elia Middle School, Lamberton Public School, Stilecroft Public School
- 114 collisions between 2016 and 2020



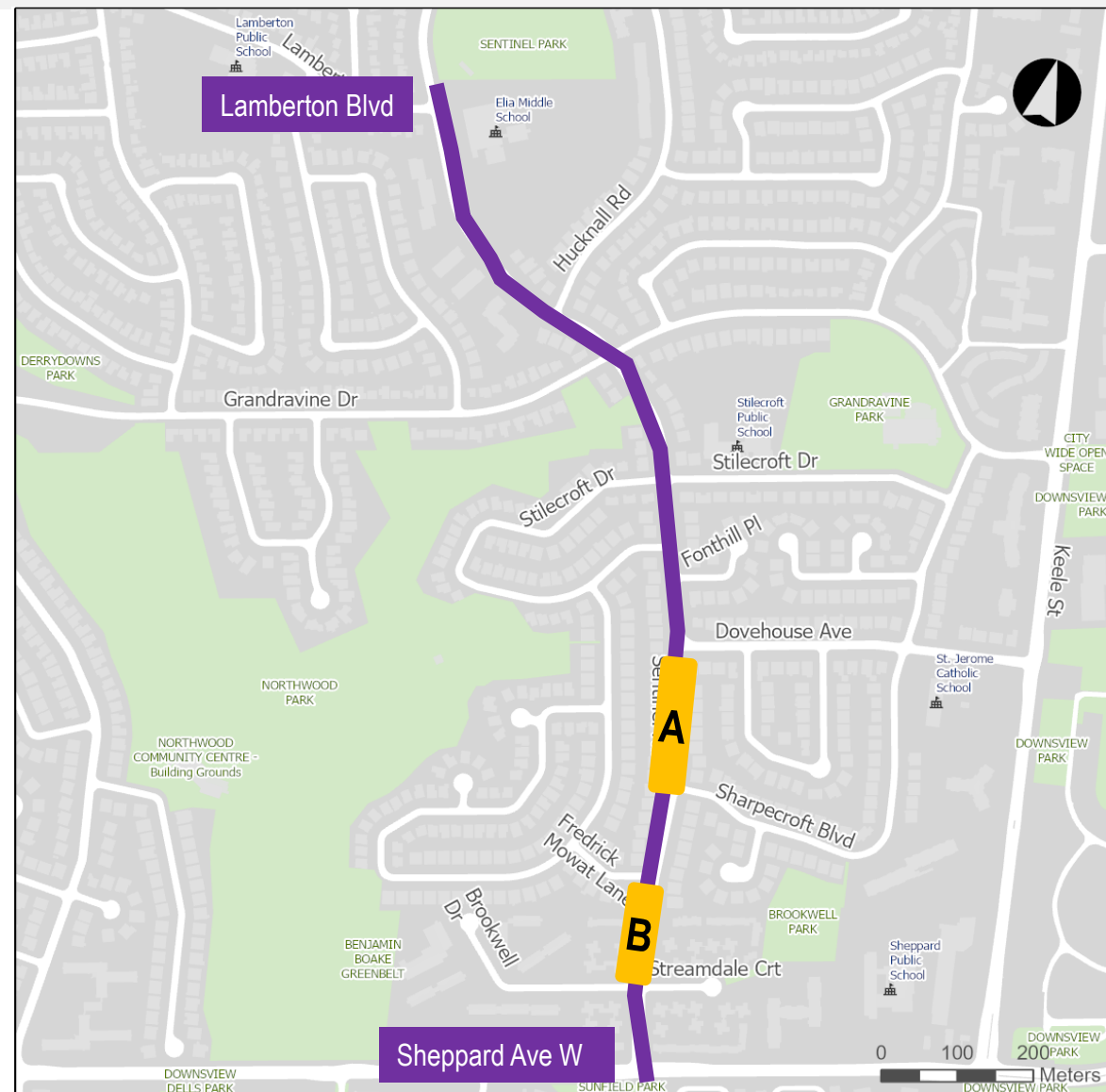
The Sentinel 106 Bus has 8 to 20 minute service frequency and is a key route in the transit network

Existing Conditions | Roadway Width

Most of the corridor is 26m wide, which allows for different design options.

There are two “pinch points” (20m wide):

- A. Dovehouse Ave to Sharpecroft Blvd
- B. Fredrick Mowat Ln to Streamdale Ct/ Brookwell Dr



Existing Conditions | Sidewalks



The sidewalks are in poor condition and do not meet accessibility guidelines



Today, the sidewalks on Sentinel Road are narrow.

Existing Conditions | Trees



There is a mix of healthy, and poor condition trees of various ages and sizes



Of the 151 trees, approximately 50% are young, 27% are semi-mature and 23% are mature

Existing Conditions | Cycling Connections

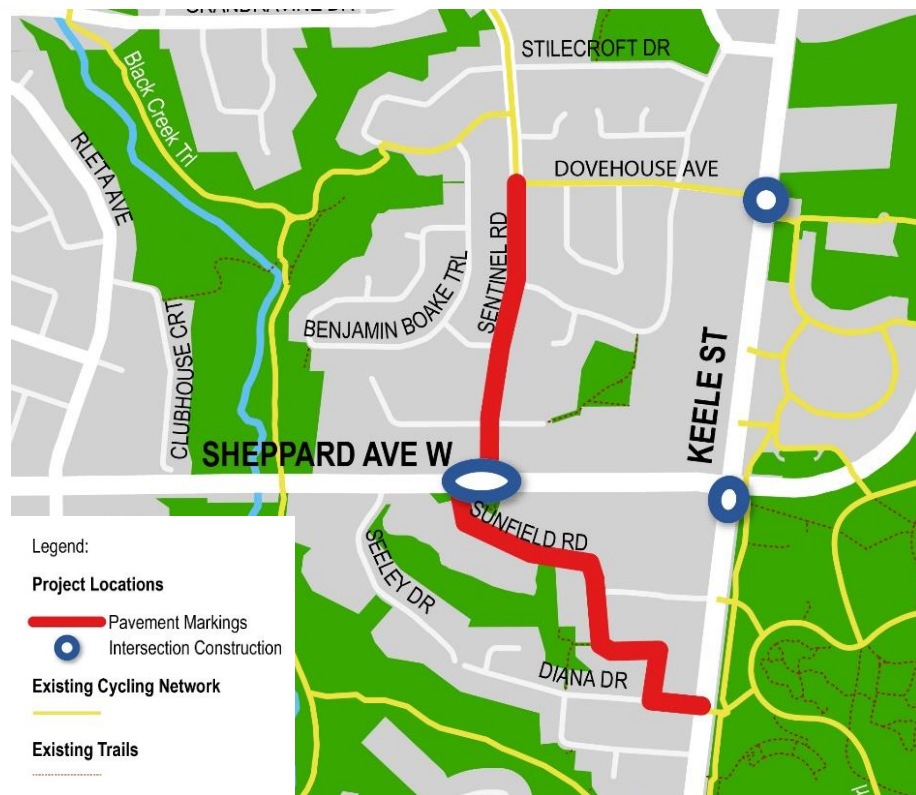


Sentinel Road has bike lanes from The Pond Road to Dovehouse Avenue



South of Dovehouse Avenue, there are no existing bike lanes

Existing Conditions | Cycling Connections



In 2018, City Council approved cycling improvements in the Downsview area



Three Downsview intersections are under construction to improve safety and cycling connectivity

Key Features & Terms

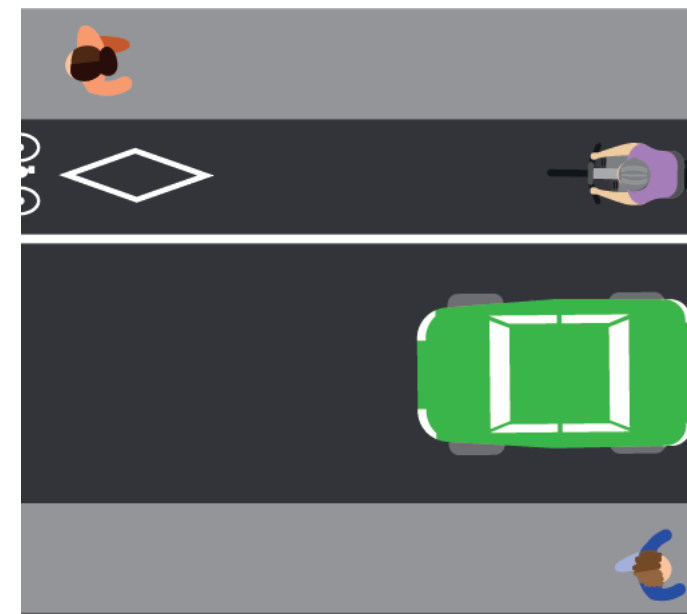
Key Features & Terms



Green infrastructure allows for runoff water from the street to be naturally filtered and slowed down.



Cycle Tracks: Protected lanes for people cycling that are separated by objects like concrete curbs.



Bike Lanes: Dedicated space for people cycling, that are not physically separated.

Key Features & Terms



Raised crossings: These raised areas at intersections improve the visibility of people crossing



Curb Radii Reduction: Reduced curb radii decrease pedestrian crossing distances and encourage lower motor vehicle speeds.

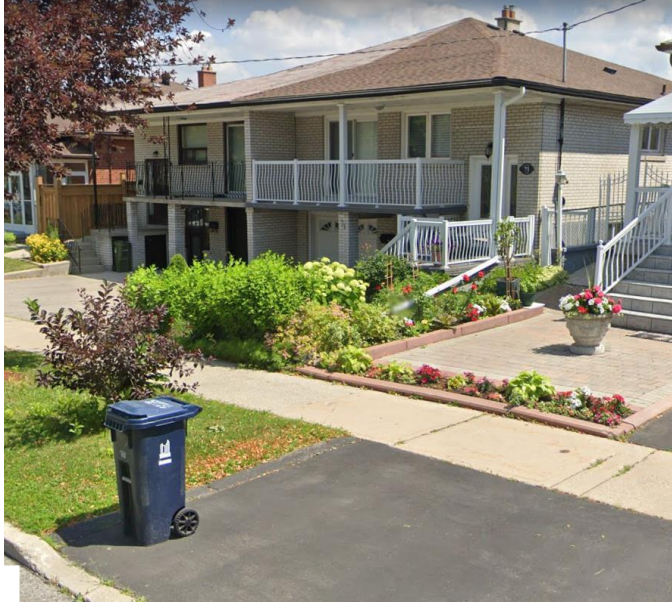
Proposed Design

Proposed Design | Widened sidewalks

Sidewalks would be widened from 1.5m to 2.1m throughout the study area where feasible

Constraints considered case-by-case:

1. Trees
2. Utilities



Private encroachments in public street may constrain sidewalk widening



Utility, trees and bus stops will also be considered in widening

Proposed Design | Raised cycle tracks

Bus stops
integrated with
cycle tracks

Raised cycle
tracks added
to both sides

Pedestrian
crossings
maintained and
improved

One vehicle
lane in each
direction,
maintained

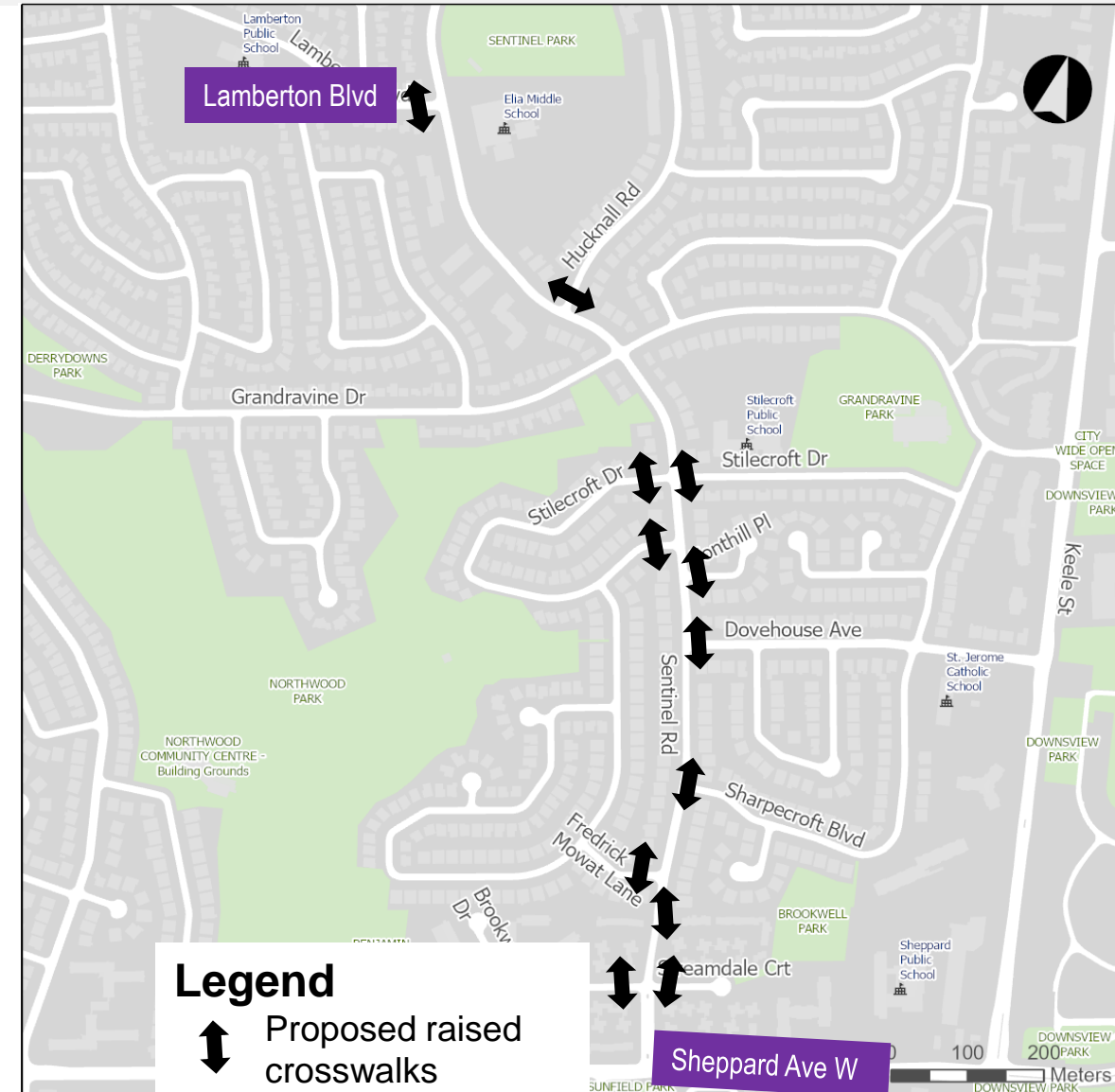


At Lamberton Blvd, Elia School

Proposed Design | Intersection Safety Improvements

Raised crosswalks are planned at all local street connections:

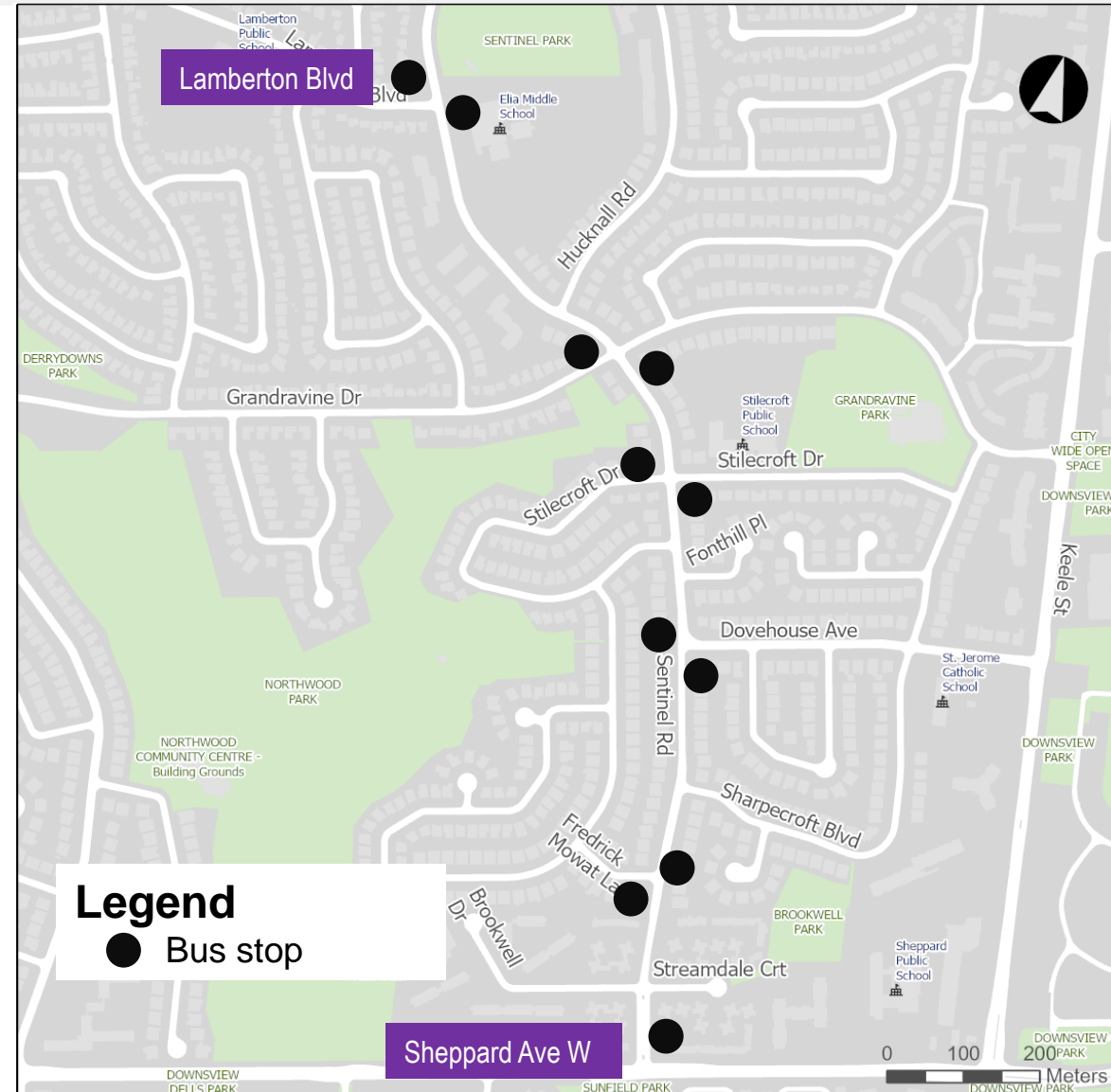
- Lamberton Blvd
- Hucknall Dr
- Stilecroft Dr
- Fonthill Pl
- Dovehouse Ave
- Sharpcroft Blvd
- Fredrick Mowat Ln
- Enclave Mews
- Streamdale Ct
- Brookwell Dr



Existing TTC Stops

There are currently 11 bus stops on Sentinel Rd in the study area:

- Lamberton Blvd (2)
- Grandravine Dr (2)
- Stilecroft Dr (2)
- Dovehouse Ave (2)
- Fredrick Mowat Lane (2)
- Inlet Mews (1)

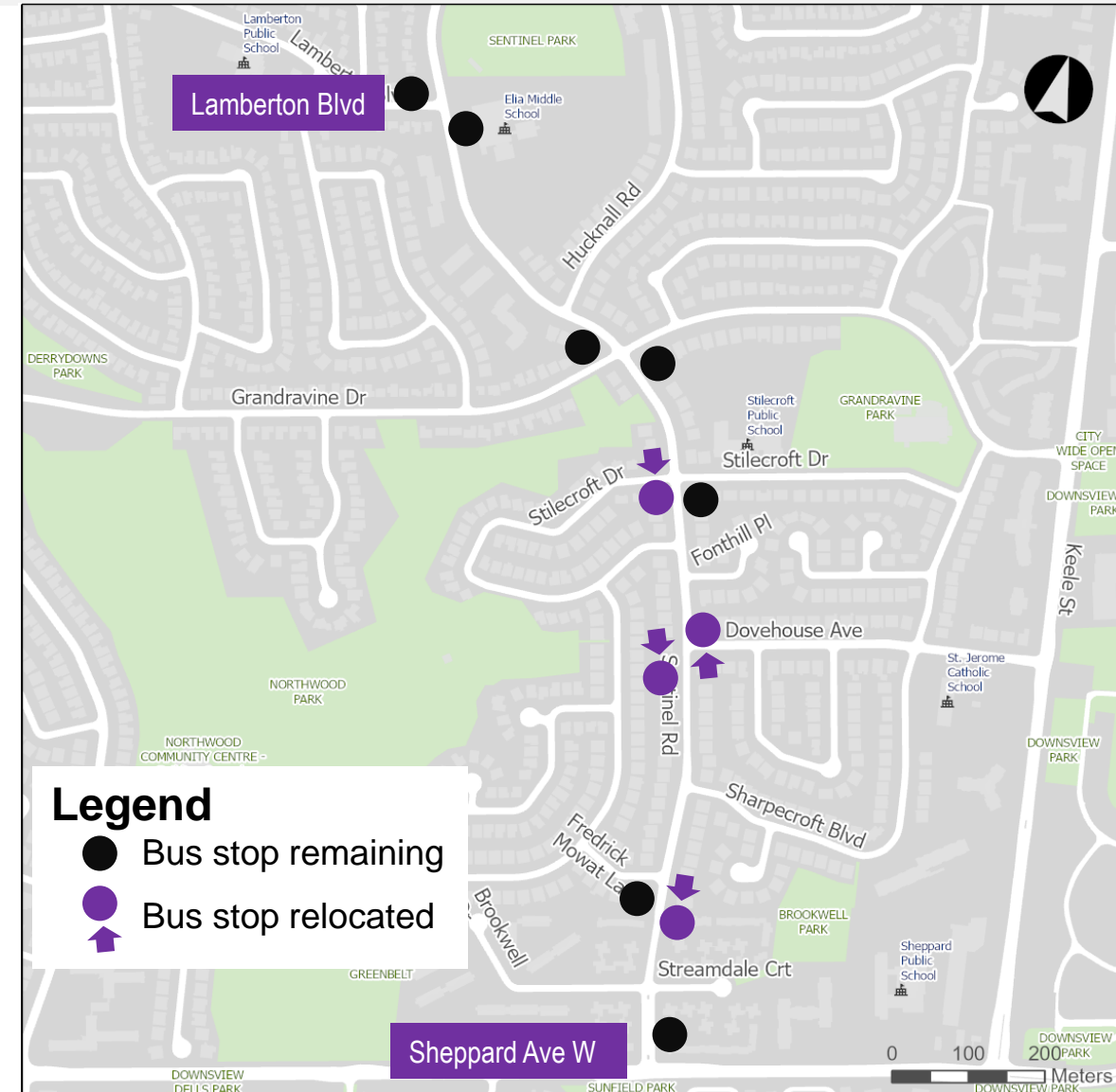


Proposed Design | TTC Stop Changes

In coordination with TTC:

- **Four (4) stops would be relocated** between Stilecroft Dr and Frederick Mowat Ln

The changes would improve bus travel times and reliability, and to create optimal bus stop distances and waiting areas.



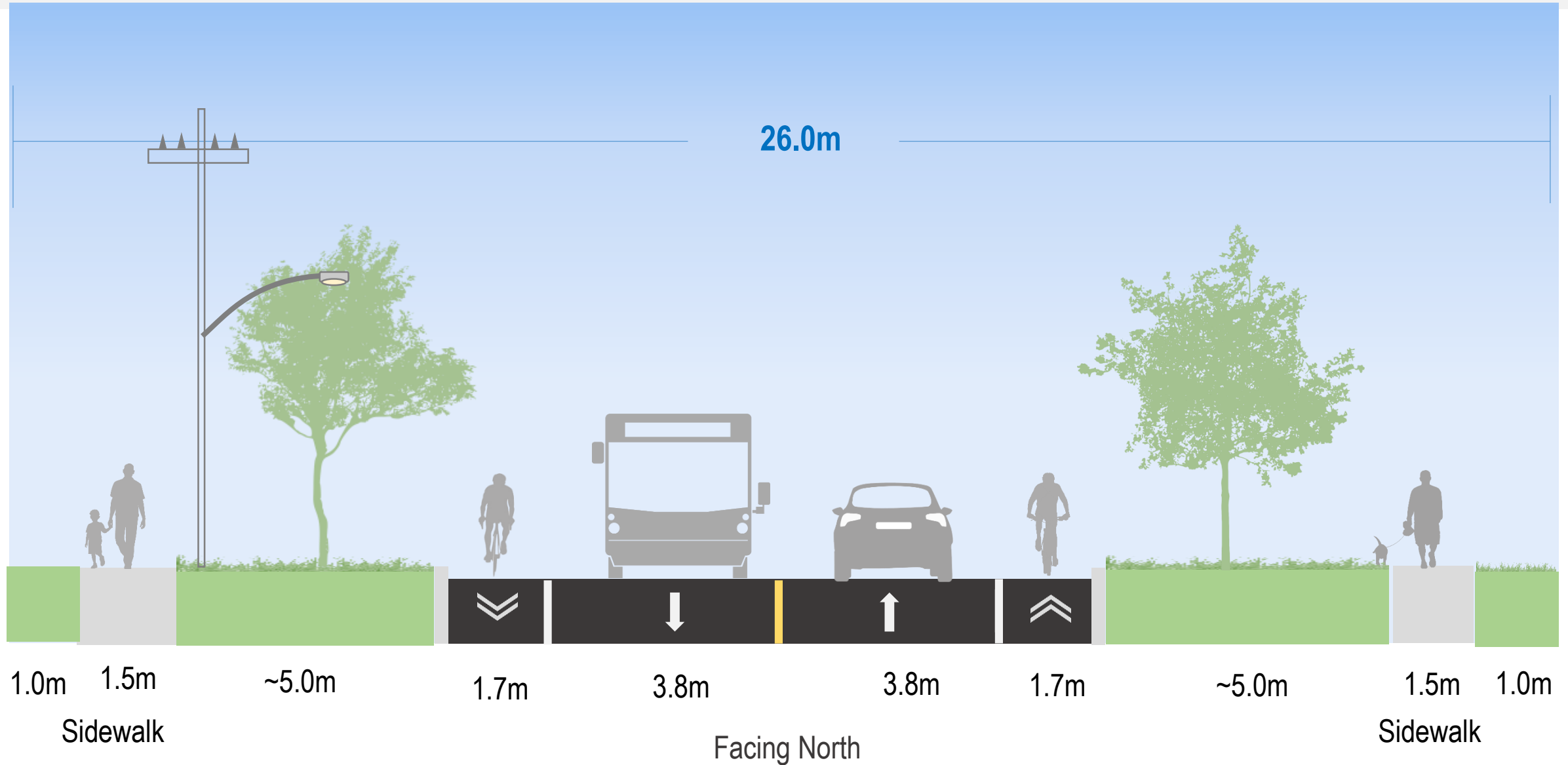
Proposed Design in Wider Segments:

Lamberton Blvd to Dovehouse Ave

Sharpecroft Blvd to Fredrick Mowat Ln

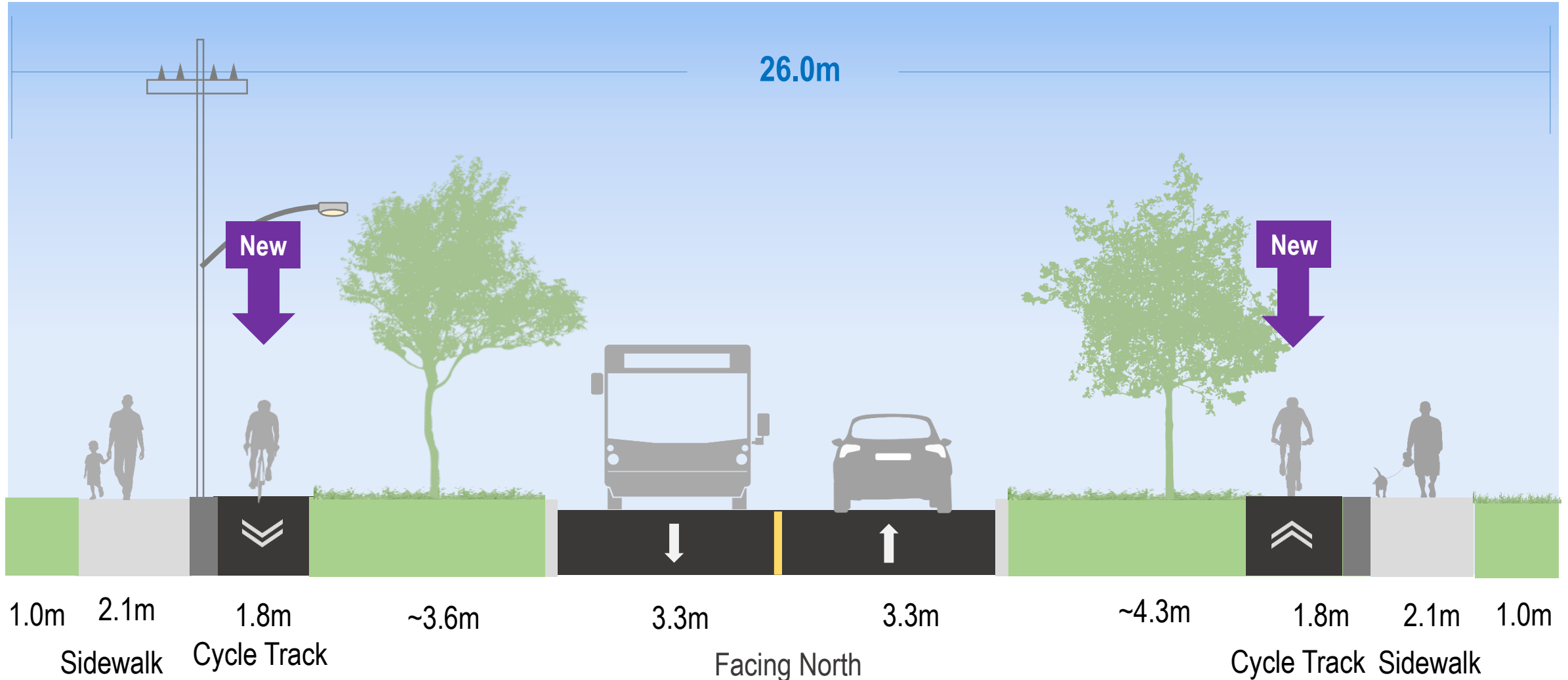
Streamdale Ct/Brookwell Dr to Sheppard Ave W

Existing | Sentinel Rd



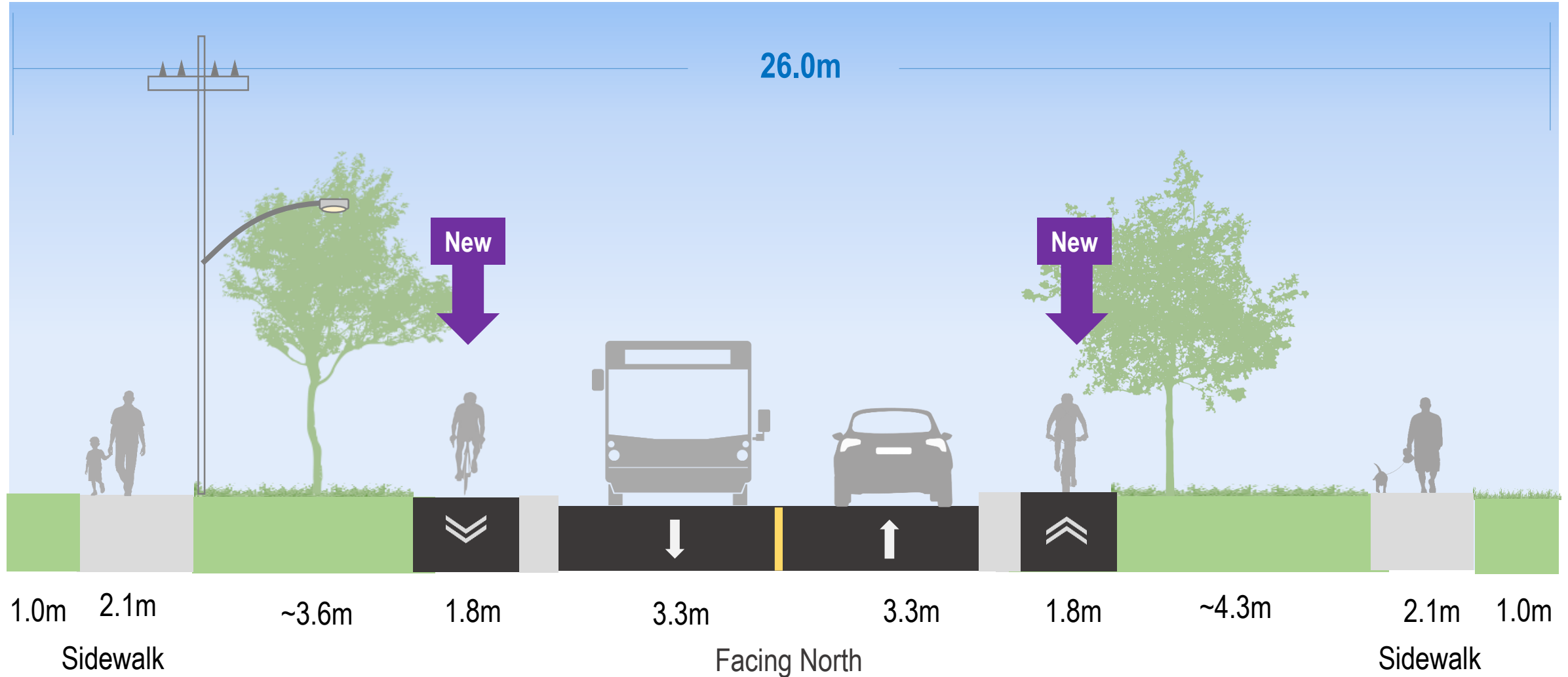
Proposed | Cycle tracks next to sidewalk, most locations

Add cycle tracks next to sidewalks to maximize the comfort and safety of people cycling



Proposed | Cycle tracks next to roadway, where necessary

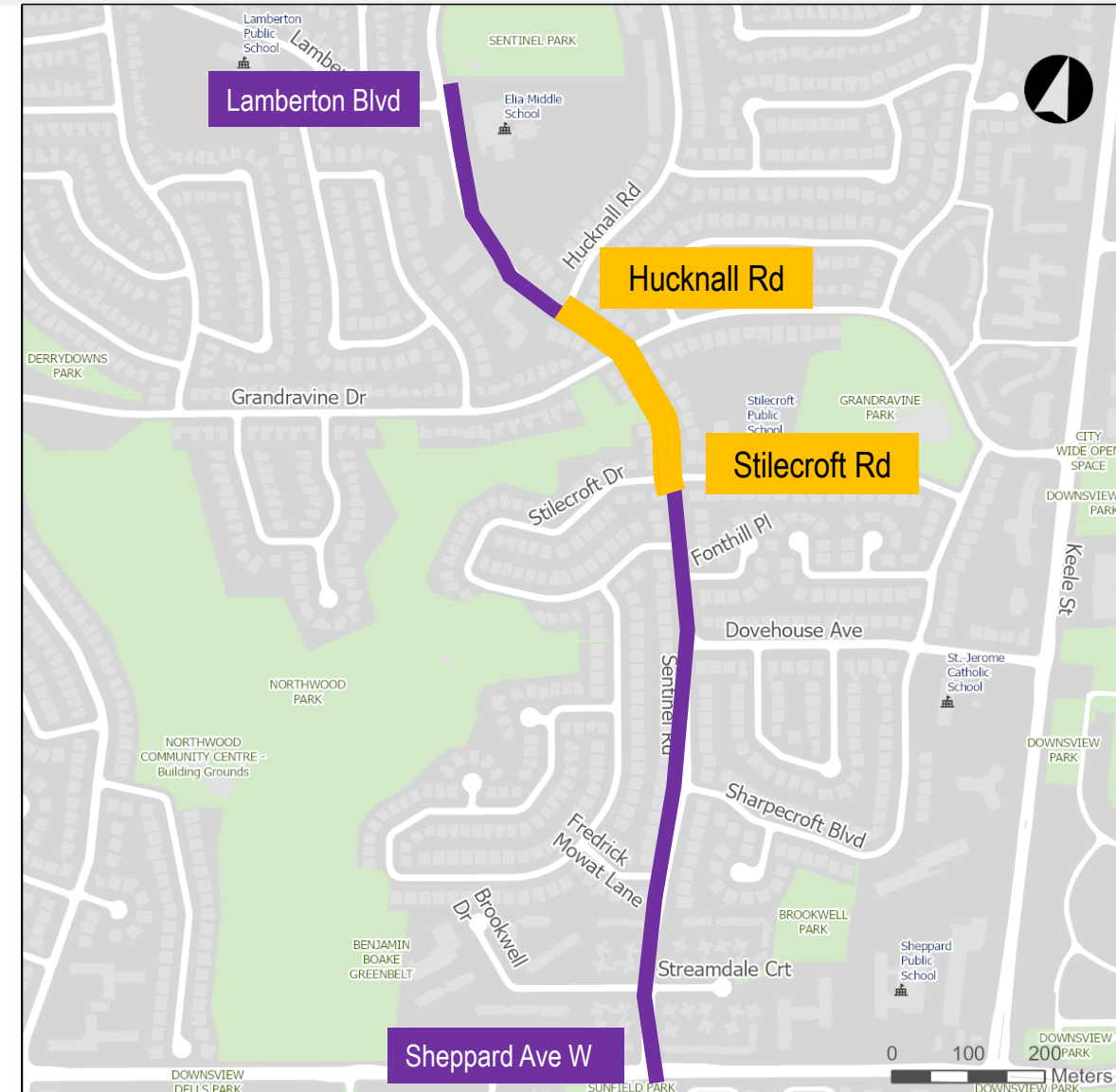
Add cycle tracks next to roadway to work around existing trees



Proposed | Hydro-pruned trees, Hucknall Rd to Stilecroft Dr

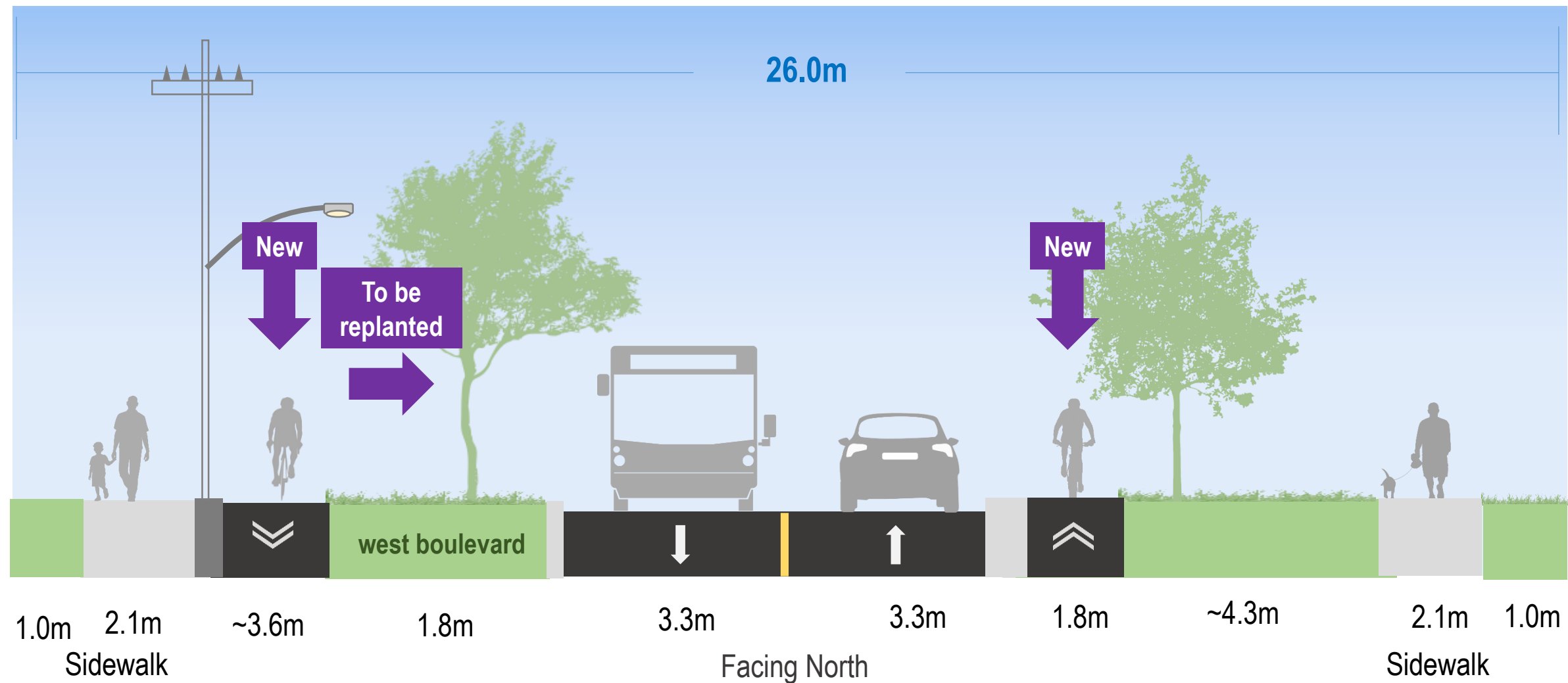
An alternative design is recommended between
Hucknall Rd and Stilecroft Dr (north intersection) to:

1. Allow for better long-term growing conditions for trees
2. Create space for the preferred configuration for cycling (next to sidewalk)



Proposed | Hydro-pruned trees, Hucknall Rd to Stilecroft Dr

Add cycle tracks, remove hydro-pruned trees in the west boulevard and replant in better growing conditions



Tree Impact

All segments except Hucknall Rd to Stilecroft Dr		Proposed: work around existing trees	
	Preserved	72-77	
	Removed	4-9	
	Planted	19-22	
	Total	91-99	
Hucknall Rd to Stilecroft Dr		Recommended Alternative: remove and replant hydro pruned trees to better growing conditions	Not Recommended: work around existing trees
	Preserved	18	20-21
	Removed	4	1-3
	Planted	8-10	6-8
	Total	26-28	26-29

Proposed Design at Pinch Points

Dovehouse Ave to Sharpecroft Blvd

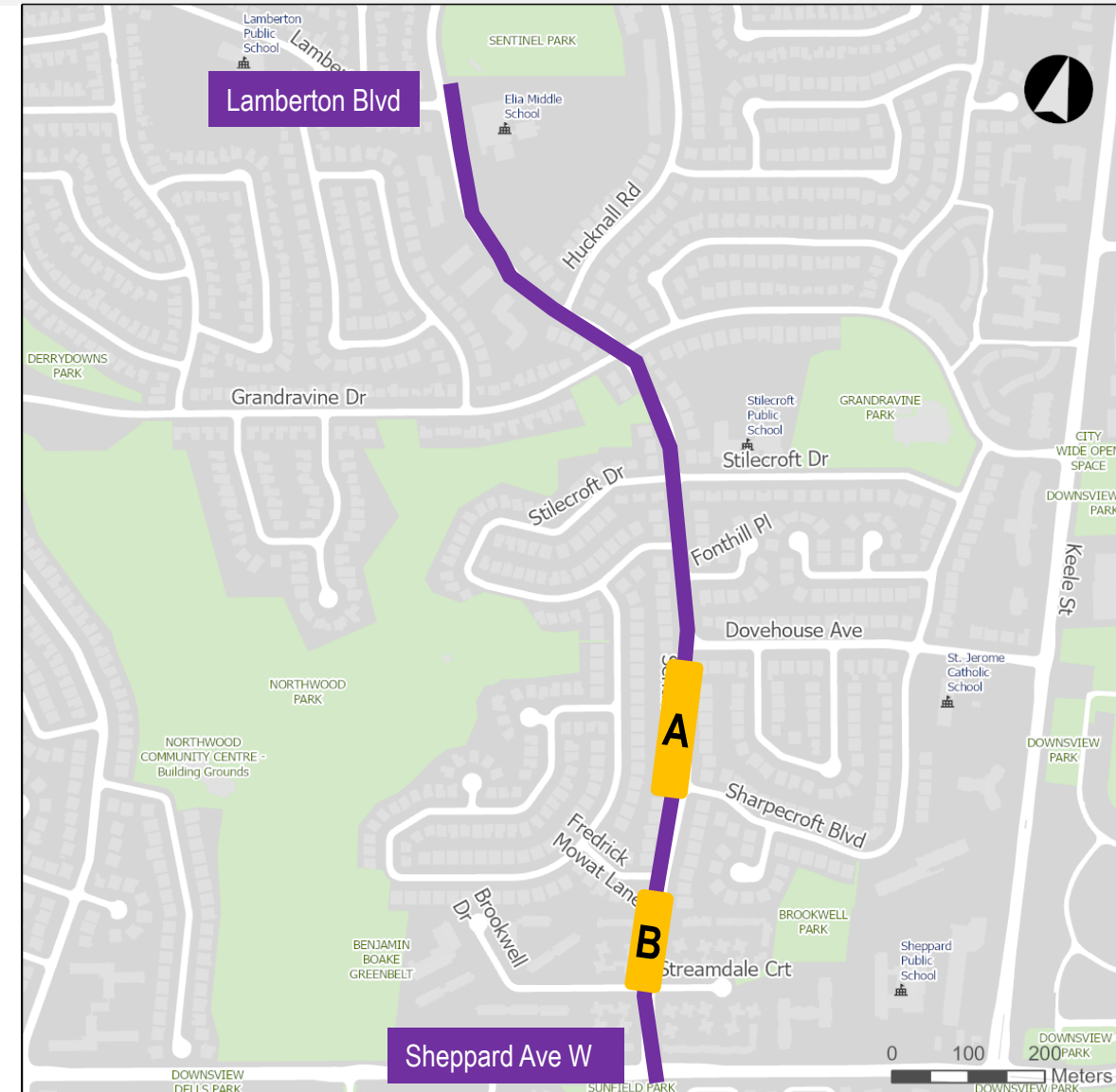
Fredrick Mowat Ln to Streamdale Ct / Brookwell Dr

Pinch Points | 20m Width

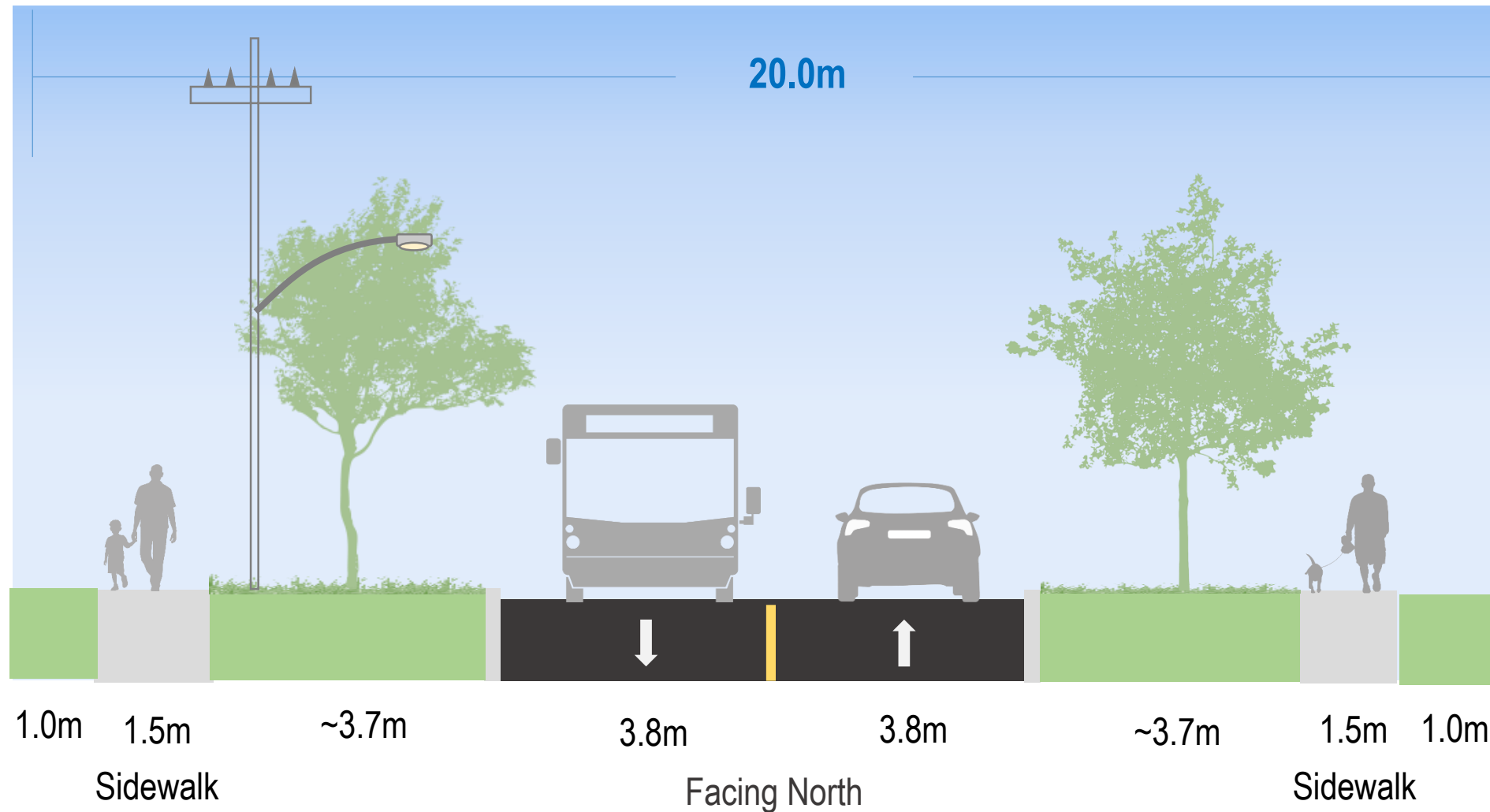
A: Dovehouse Ave
to Sharpecroft Blvd



B: Fredrick Mowat
Ln to Streamdale
Ct/ Brookwell Dr

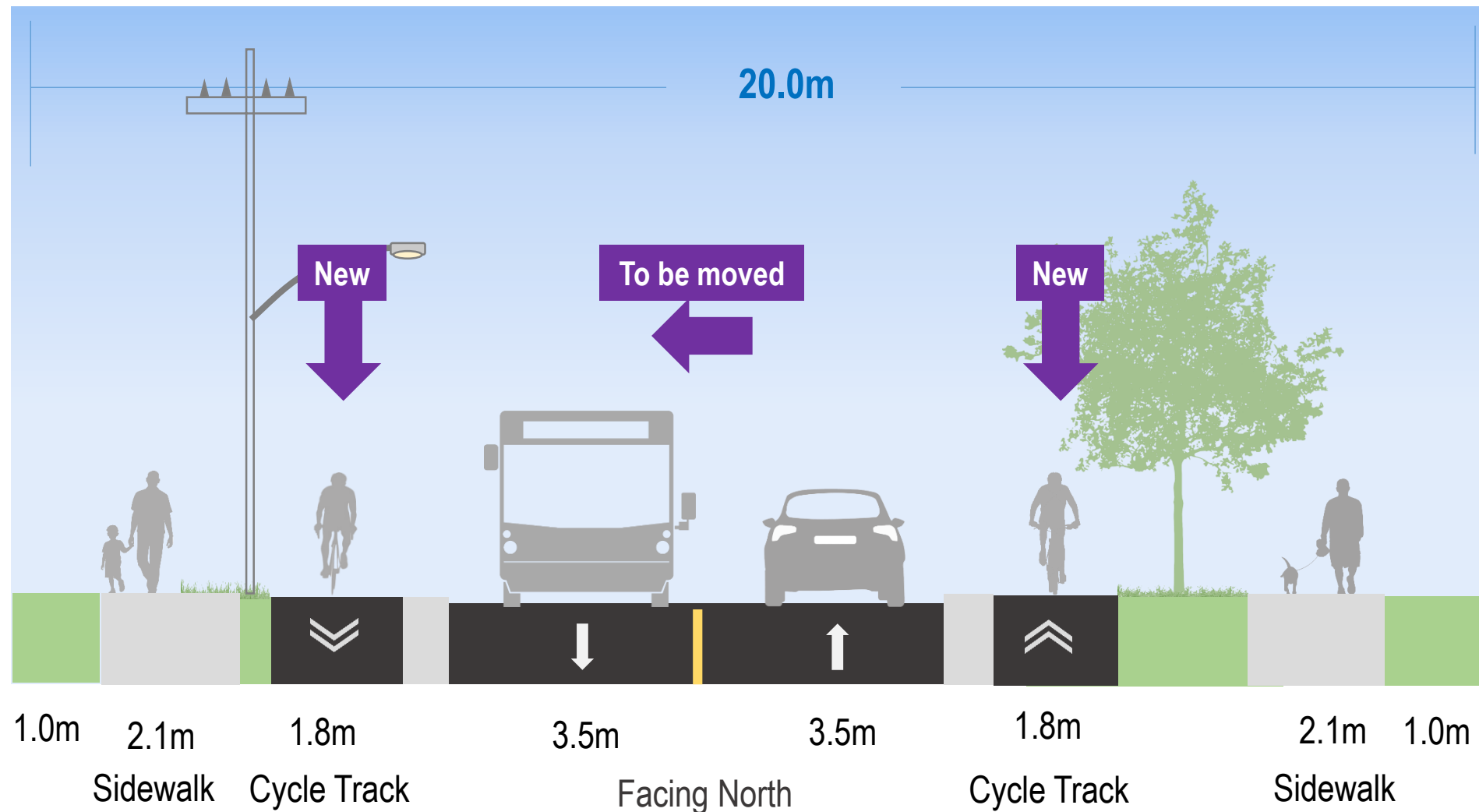


Existing | Sentinel Rd with 20.0m width



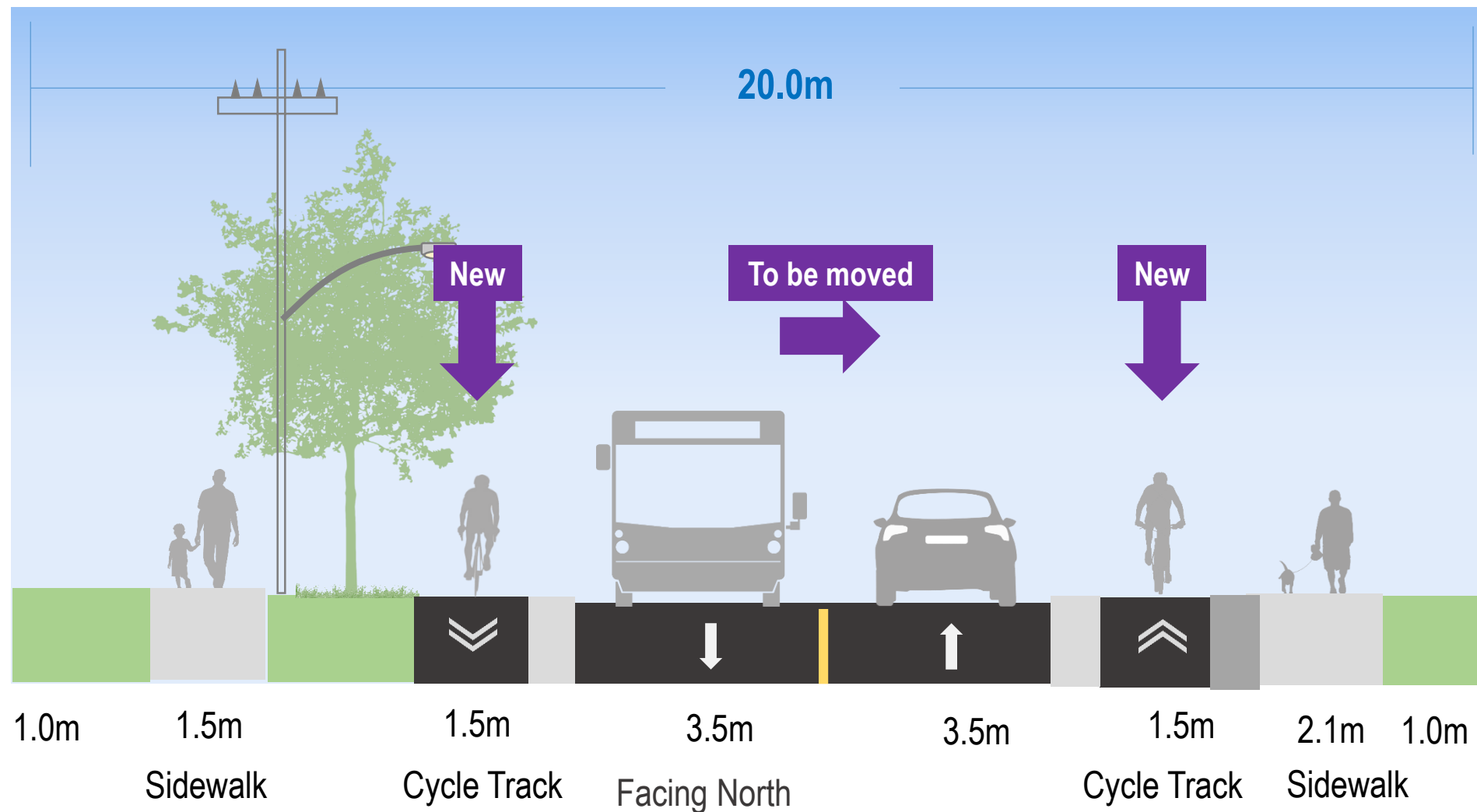
Proposed | Dovehouse Ave to Sharpecroft Blvd

Add cycle tracks, maintain room for trees on the east side by moving the centre of the roadway



Proposed | Fredrick Mowat Ln to Streamdale Ct

Add cycle tracks, maintain room for trees on the west side by moving the centre of the roadway and using minimum widths



Tree Summary | Pinch Points

Dovehouse Ave to Sharpecroft Blvd		Recommended: Shift centre line eastward
	Total	20
Fredrick Mowat Ln to Brookwell Dr / Streamdale Ct		Recommended: Shift centre line westward
	Total	17-21

Tree Summary | Sentinel Rd Total

Total – recommended design	Preserved	115-120
	Removed	26-31
	Planted	42-51
	Net	157-171

Compared to 151 trees today.



Today | Streamdale Ct / Brookwell Dr to Sheppard Ave W



Two southbound
lanes

Painted centre
median

One northbound
lane

19m roadway crossing

1.5m sidewalks

No cycle tracks
or trees

Proposed | Streamdale Ct / Brookwell Dr to Sheppard Ave W



Timelines and Next Steps

Project Timeline Overview



Next Steps

- **February 23, 2022** – Online Survey Deadline
- **March 2022** – Engagement summary posted on project website
- **March 29, 2022** – Report to Infrastructure and Environment Committee and City Council; including opportunity for public deputations



CONTACT US

If you have any questions or please contact:

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[Toronto.ca/yorkudownsvie](https://toronto.ca/yorkudownsvie)