



**GTSWCA**

Greater Toronto Sewer & Watermain  
Contractors Association

# MUNICIPAL INFRASTRUCTURE SUMMIT



**2025 Municipal Project Pipelines**





**GTSWCA**

Greater Toronto Sewer & Watermain  
Contractors Association

**MUNICIPAL  
INFRASTRUCTURE  
SUMMIT**

**REGION UPDATE**

# PEEL REGION UPDATE

**JEFF HENNINGS**

Director, Engineering Services,  
Water and Wastewater





# **Greater Toronto Sewer & Watermain Contractors Association**

**2025 Municipal Infrastructure  
Summit**

**Tuesday February 11, 2025**







**Nando Iannicca**

Chair & CEO



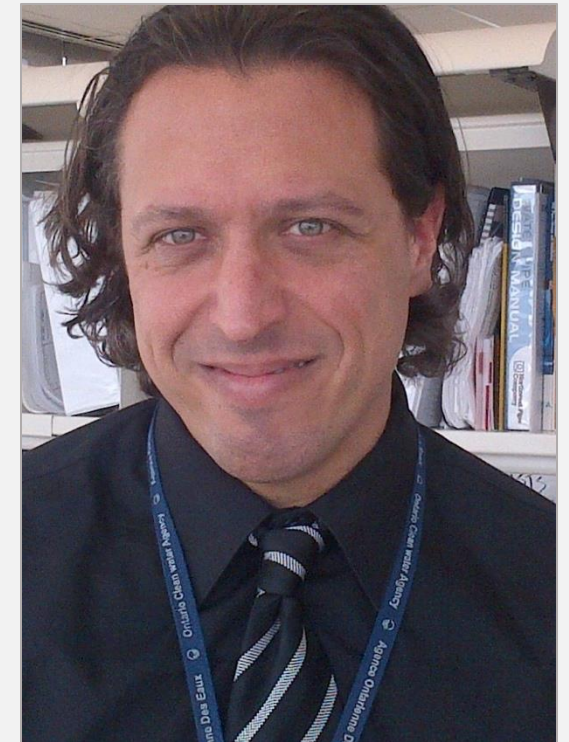
**Gary Kent**

Chief Administrative  
Officer



**Kealy Dedman**

Commissioner,  
Public Works



**Anthony Parente**

General Manager,  
W&WW





**Jeff Hennings**

Director,  
Engineering  
Services, W/WW



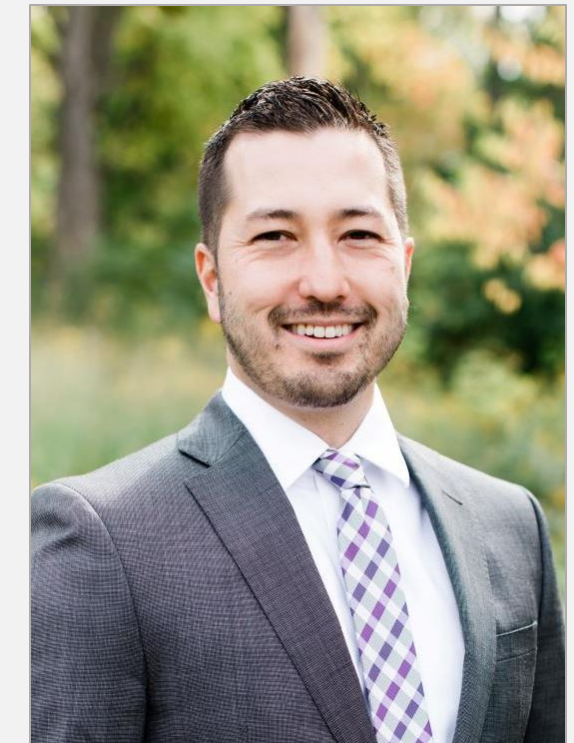
**Darrin Dodds**

Manager,  
Engineering, Water  
Linear



**Lyle LeDrew**

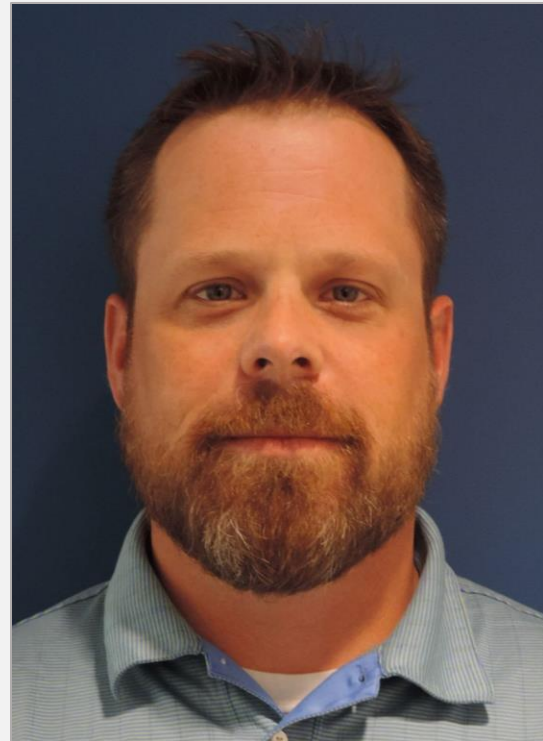
Manager,  
Engineering,  
Wastewater Linear



**Nicholas Gan**

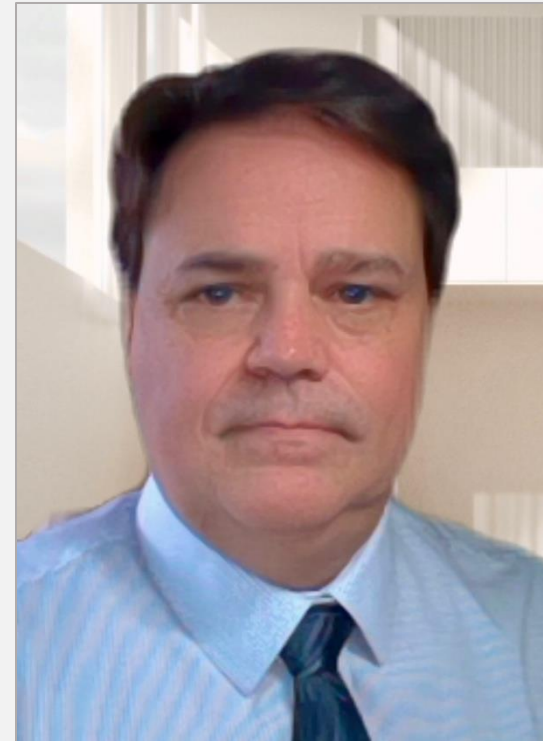
Manager,  
Engineering,  
Condition  
Assessment  
& Rehabilitation





**Matthew Bennett**

Manager,  
Operations,  
Engineering  
Operations  
Liaison



**William Turner**

Manager,  
Engineering,  
Development  
Services



**Kristin Misurka**

Director,  
Procurement



**Patrick Thompson**

Manager,  
Procurement

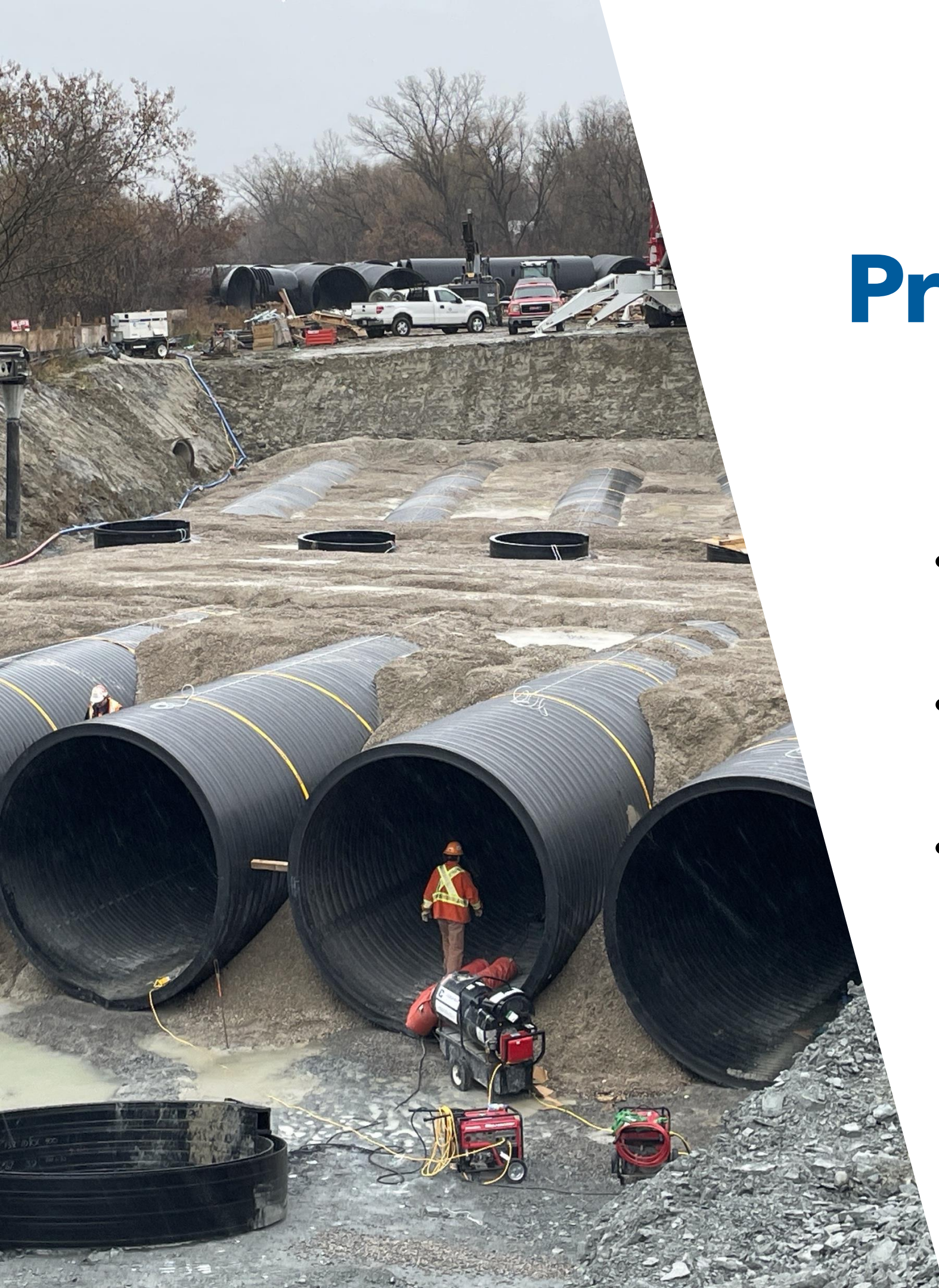




# Opening Comments and Updates

- **Region of Peel governance**
- **Initiatives**
  - **Tariffs and Cost Escalation**
  - **Health & Safety**
  - **Vendor Performance Management**
  - **Peel standards and Pricing Forms**





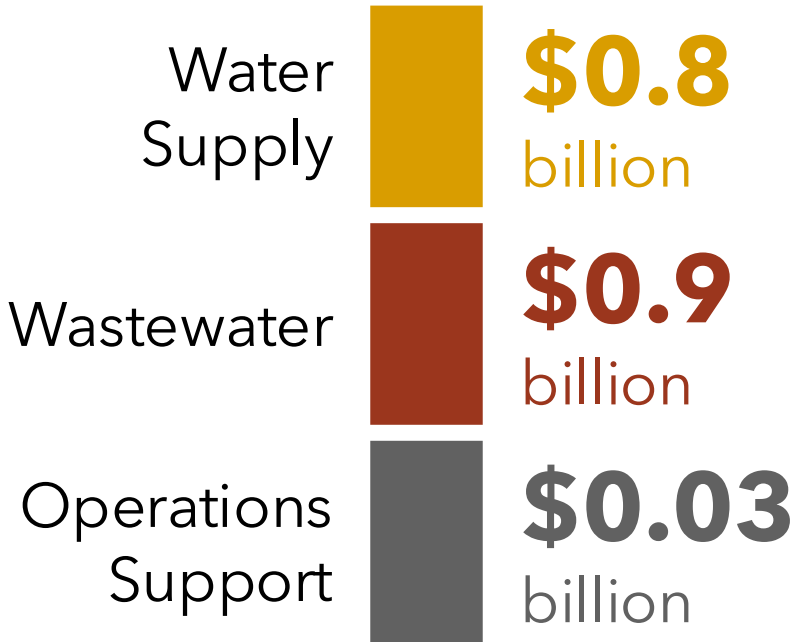
# Projects

- **Budgets**
- **Update on Peel Programs**
- **Other Large Linear and Rehab Projects**



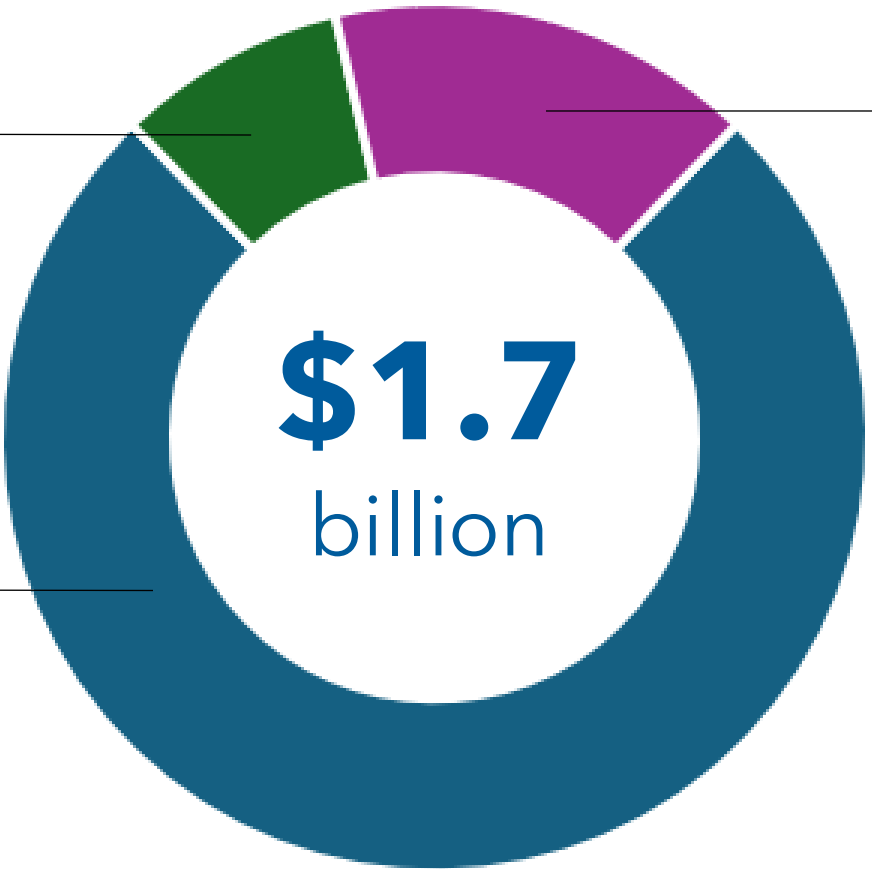
# Capital Budget - 2025

## 1-Year Capital Budget



Coordination and strategic initiatives  
**\$0.1** billion

Facilitating growth  
**\$1.3** billion



State of good repair  
**\$0.3** billion

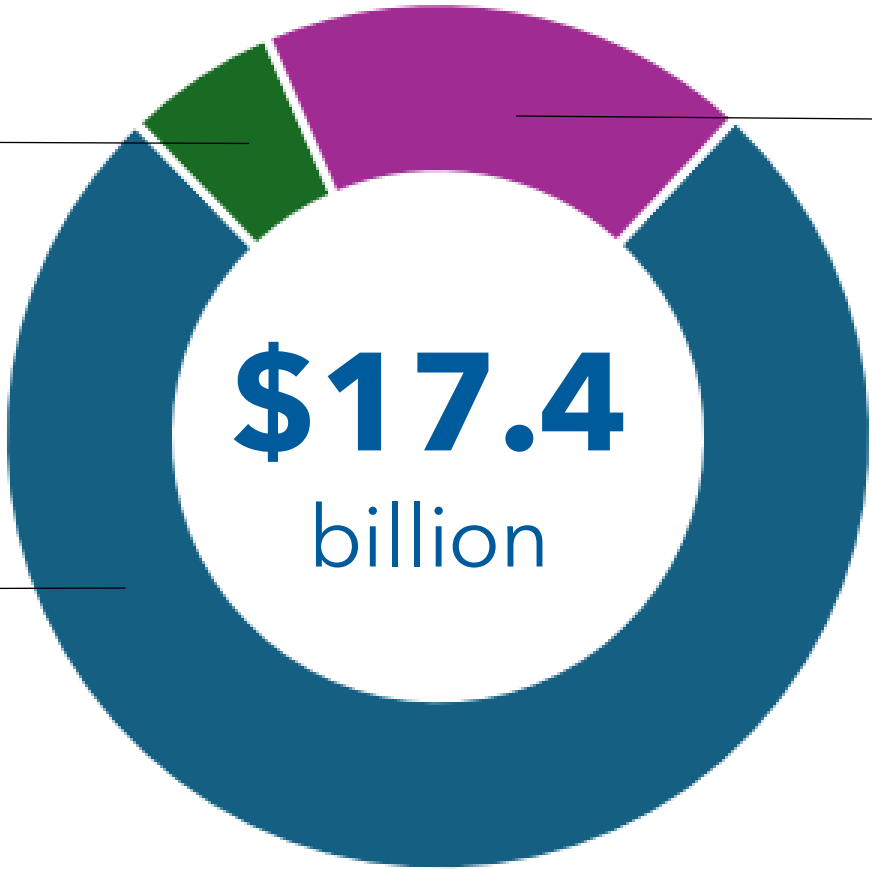
**31% Increase from 2024**

## 10-Year Capital Plan



Coordination and strategic initiatives  
**\$1.0** billion

Facilitating growth  
**\$13.2** billion



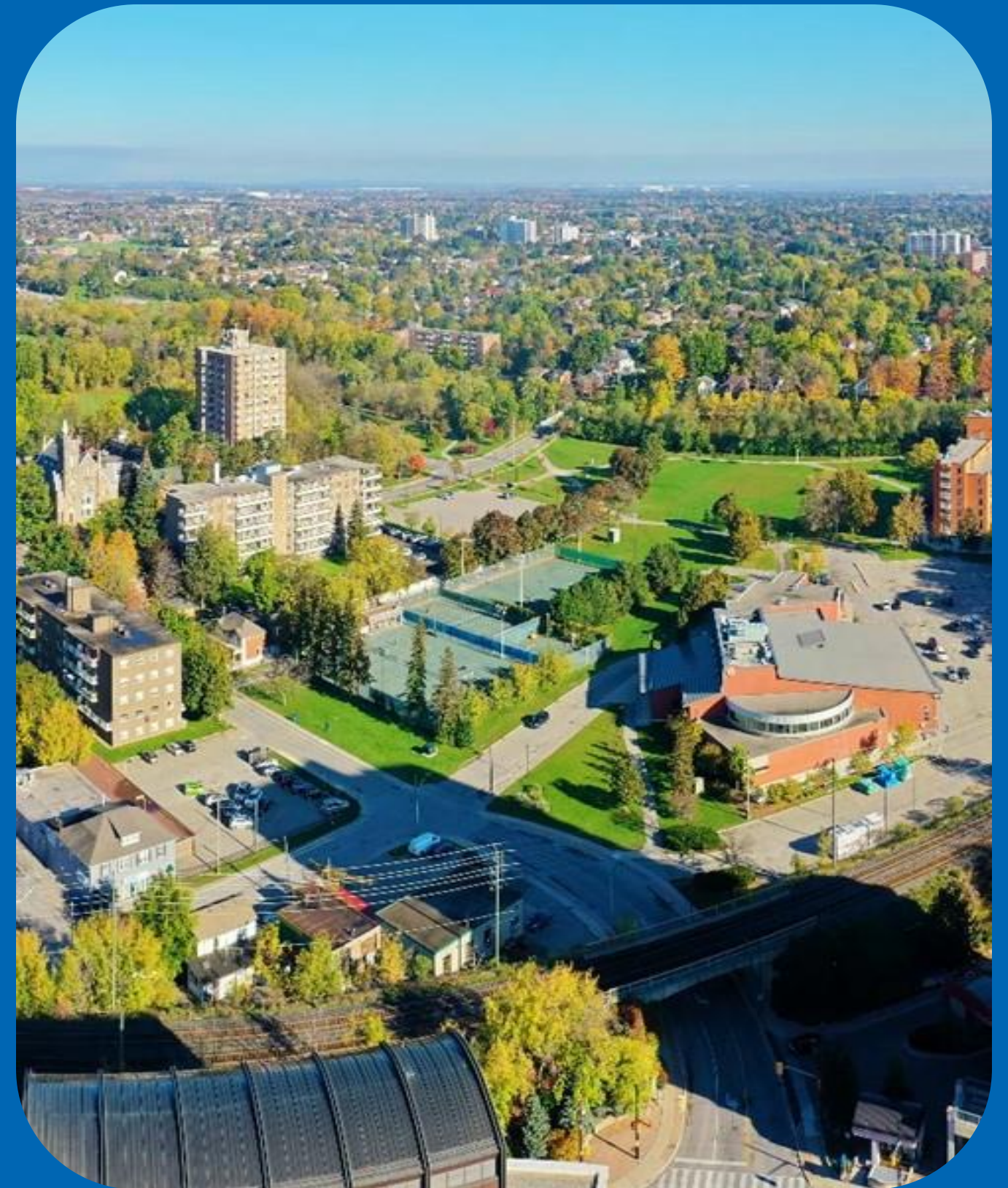
State of good repair  
**\$3.2** billion

**20% Increase from 2024**





# **Central Brampton Program *(formerly Queen St Housing Enabling Infrastructure Program)***



**Central Brampton**



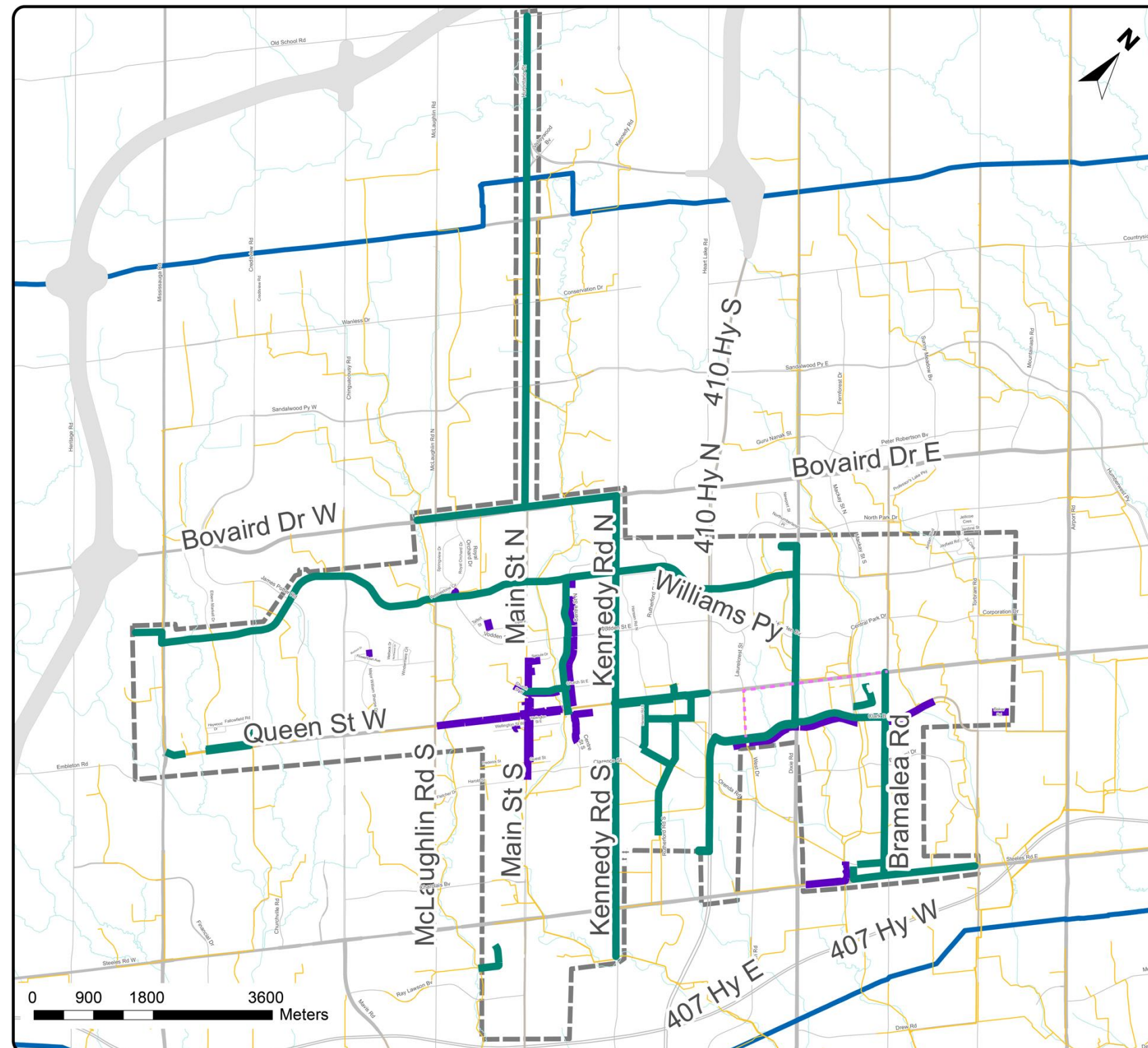
# Flow

Building our future, faster.

Flow | Central Brampton will deliver many water and wastewater projects, primarily in Brampton.

Flow will strengthen the systems that provide our growing communities with high quality tap and wastewater services.

## Area Map



### Proposed Infrastructure

Mains for Distribution Feeder, Transmission, Primary and Local Wastewater

### State of Good Repair (SOGR) Projects

Water Main and Sanitary Replacements

### General Legend

- Existing Wastewater Main
- Watercourse
- Ward Boundary
- Municipal Boundary

January, 2024  
Water & Wastewater Planning, Public Works  
Map ID: 3907-WWW-DC Map Queen Street Project Boundaries\_A  
Data Source: Region of Peel  
Scale: 1:29,228 | NAD 1983 UTM Zone 17N

**DISCLAIMER**  
The proposed capital projects shown on this map are subject to annual review and approval by Regional Council. As such, project schedules and project scopes are subject to change.  
The contents of this map are reflective of the Program as of January 2025 and are subject to change as the Program progresses.



Flow - Central Brampton

Program Information



Year	Number of Water Projects	Number of Wastewater Projects	Estimated Value(\$M)
2025	3	3	\$32.1M
2026	2	2	\$244.7
2027 - 2030	-	2	\$413M



**Flow - Central Brampton - Projects**

Project Name	Estimated Value (\$M)	Target Tender
Hansen Road S and Orenda Road Sewer Upsize	\$5.0	2025
Rutherford Road Sewer Upsize	\$8.0	2025
Baker Road & Colony Court Watermain Replacement	\$1.5	2025
Springbrook 525mm Sewer Upsize	\$4.2	2025
Salisbury Circle Watermain Replacement	\$1.6	2025
Denison Avenue, Braemore Road & Dusty Lane Watermain and Sewer Replacement Phase 1	\$2.5	2025
Valve Replacement Along West Drive and Queen Street	\$8.0	2025
Watermain and Sanitary Sewer on Denison Avenue Phase 2	\$1.3	2025
375/450mm Sanitary Sewer on Peel Centre Drive	\$3.0	2026
300mm & 600mm Watermain on Clark Boulevard	\$12	2026
600mm Watermain on Creditview Road	\$12	2026
Wastewater Sewer Capacity Improvements Ray Lawson Area	\$10	2026
Kennedy Road Trunk Sewer	\$400	2027
Queen Street Corridor Water & Wastewater Capacity Improvements	\$208	2026
Wastewater Capacity Improvements in the Ray Lawson MTSA area	\$13	2027





# **South Caledon Housing Enabling Infrastructure Program**



**South Caledon**





## Area Map (Caledon)

### SCHEIP - South Caledon Housing Enabling Infrastructure Program

- Numerous water and wastewater projects, primarily in the south of Caledon and Bolton.
- Extending water and wastewater servicing into new development areas.



## Caledon South Water Wastewater Development Projects

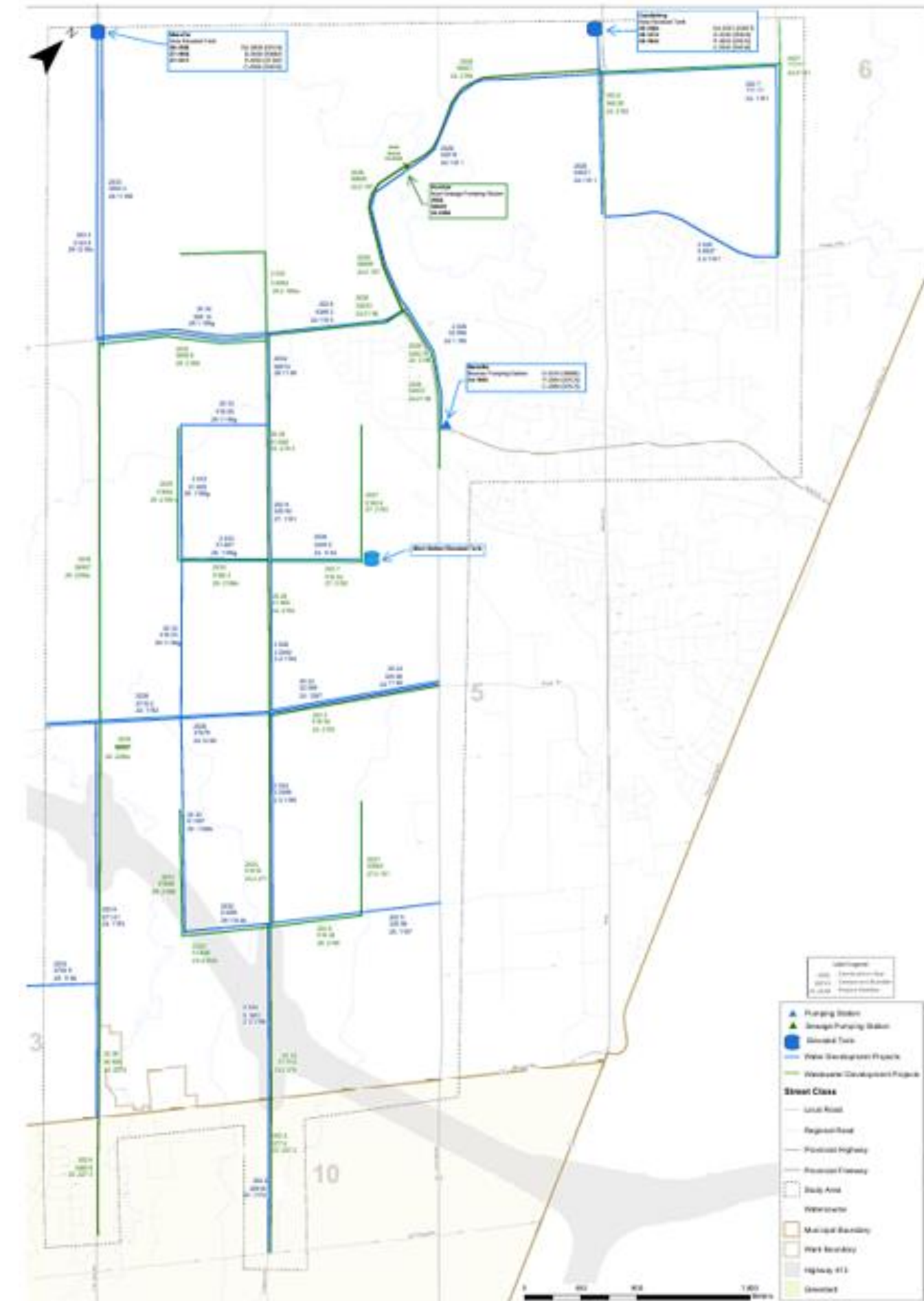




## SCHEIP - South Caledon Housing Enabling Infrastructure Program

- Includes linear works, but also pumping stations and elevated tanks.

### Area Map (Bolton)



Caledon Bolton Water Wastewater Development Projects



# SCHEIP Program Information



Year	Number of Water Projects	Number of Wastewater Projects	Estimated Value (\$M)
2025	3	3	\$120
2026	11	4	\$220
2027	6	8	\$250





# **2025 Water & Wastewater**

## **Large Linear Upcoming Tenders**





# A Look at 2025 Water & Wastewater Linear Tenders



Tender Type	Release Date Q1 2025	Release Date Q2 2025	Release Date Q3 2025	Release Date Q4 2025	Release Date Q1 2026	Total
Pre-Qual	2	1	1			4
SOGGR	6	9	8	7	6	36
Large Diameter	3	9	2	3	2	19
Rehabilitation	2		2			4
	13	19	13	10	8	63



# 2025 Large Diameter Tender

## Victoria Feedermain Contract 3

Town of Caledon

**Tender Date:**

March 2025

**Estimated Value:**

\$65M

**Procurement Type:**

Request for Tender

**Work Type:**

Open Cut

Tunnelling

**Scope of Work:**

3km 400mm watermain

4.6km 900mm watermain

4.6km 1200mm watermain

**Project Lead:**

Water Linear





# 2025 Large Diameter Tender



## Lakeshore Trunk Sewer and Zone 1 Watermain

City of Mississauga

**Tender Date:**

April 2025

**Estimated Value:**

\$200M

**Procurement Type:**

Request for Tender

**Work Type:**

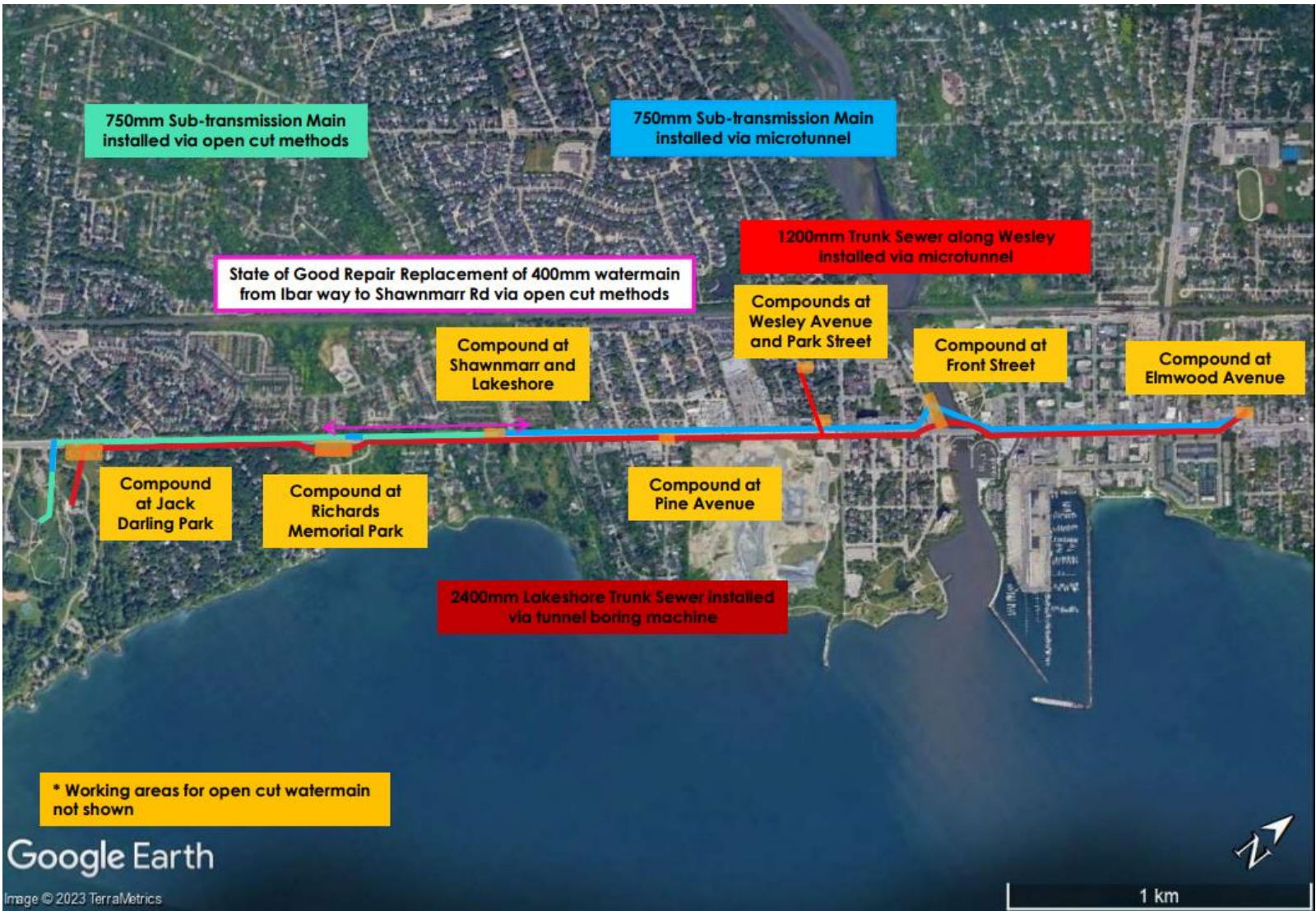
Tunelling, Micro-tunelling, Open-cut

**Scope of Work:**

4km of 2400mm trunk sewer,  
4km of 750mm watermain  
600m of 400mm watermain  
200m of 1200mm trunk sewer

**Project Lead:**

Wastewater Linear





# 2025 Large Diameter Tender



## Burnhamthorpe / Tomken Trunk Sewer

City of Mississauga

**Tender Date:**

May 2025

**Estimated Value:**

\$65M

**Procurement Type:**

Request for tender

**Work Type:**

Micro-tunelling

**Scope of Work:**

1.4km of 1200mm trunk sewer

1.2km of 1500mm trunk sewer

**Project Lead:**

Wastewater Linear





# 2025 Large Diameter Tender

## East Brampton Feedermain C2

City of Brampton

**Tender Date:**

Q2 2025

**Estimated Value:**

\$225M

**Procurement Type:**

Request for Tender

**Work Type:**

Tunelling

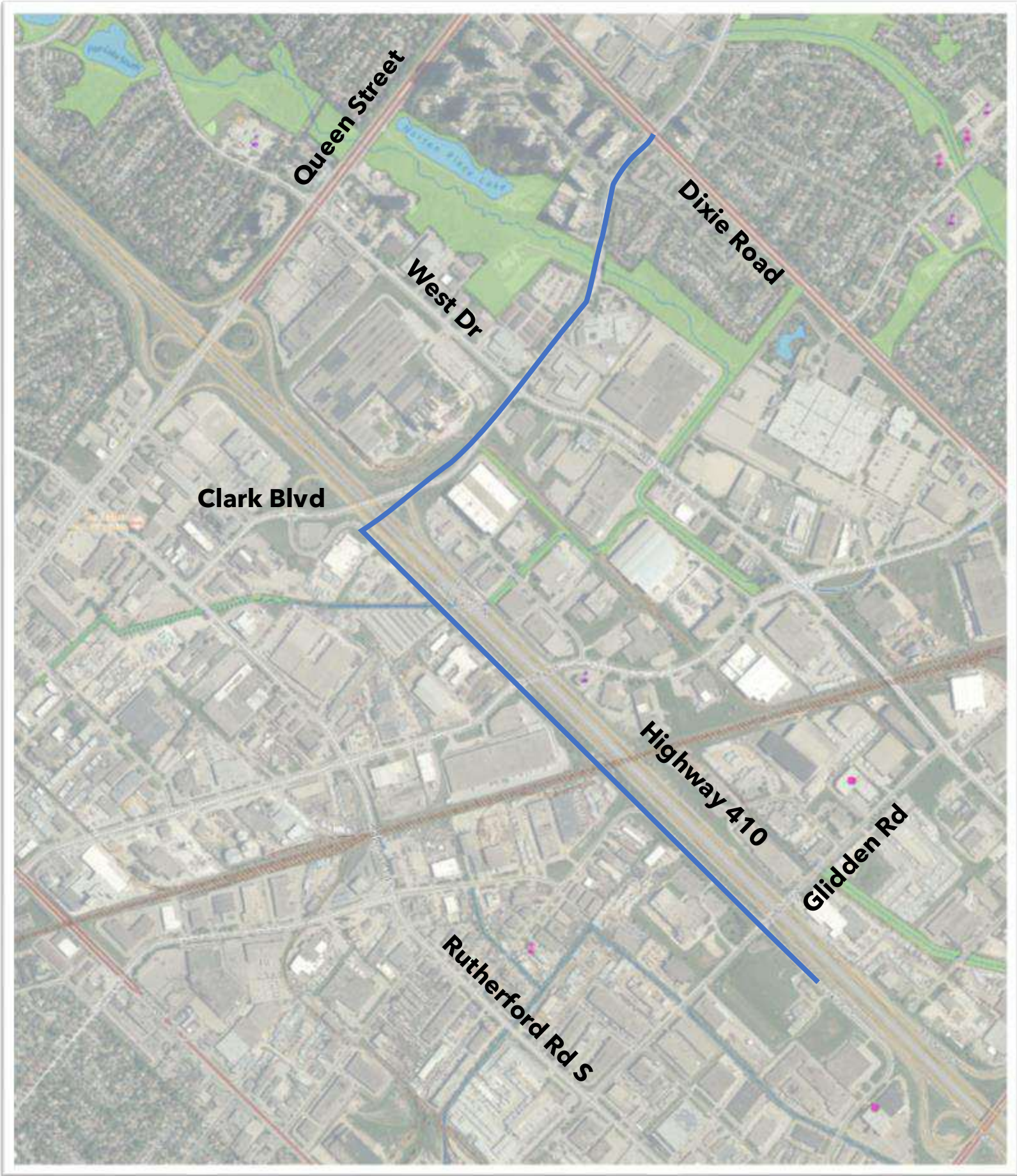
**Scope of Work:**

3.1km of 1500mm watermain

3.1km of 1050/1200mm  
watermain

**Project Lead:**

Water Linear





# 2025 Large Diameter Tender



## Williams Parkway Sub-Transmission Watermain Contract 2

City of Brampton

**Tender Date:**

Q2 2025

**Estimated Value:**

\$150

**Procurement Type:**

Request for Tender

**Work Type:**

Tunnelling

**Scope of Work:**

5.5km of 1200mm watermain

**Project Lead:**

Water Linear





# 2025 Large Diameter Tender



## West Trunk Diversion

City of Mississauga

**Tender Date:**

Q4 2025

**Estimated Value:**

\$200M

**Procurement Type:**

Request for Tender

**Work Type:**

Tunelling, micro-tunelling

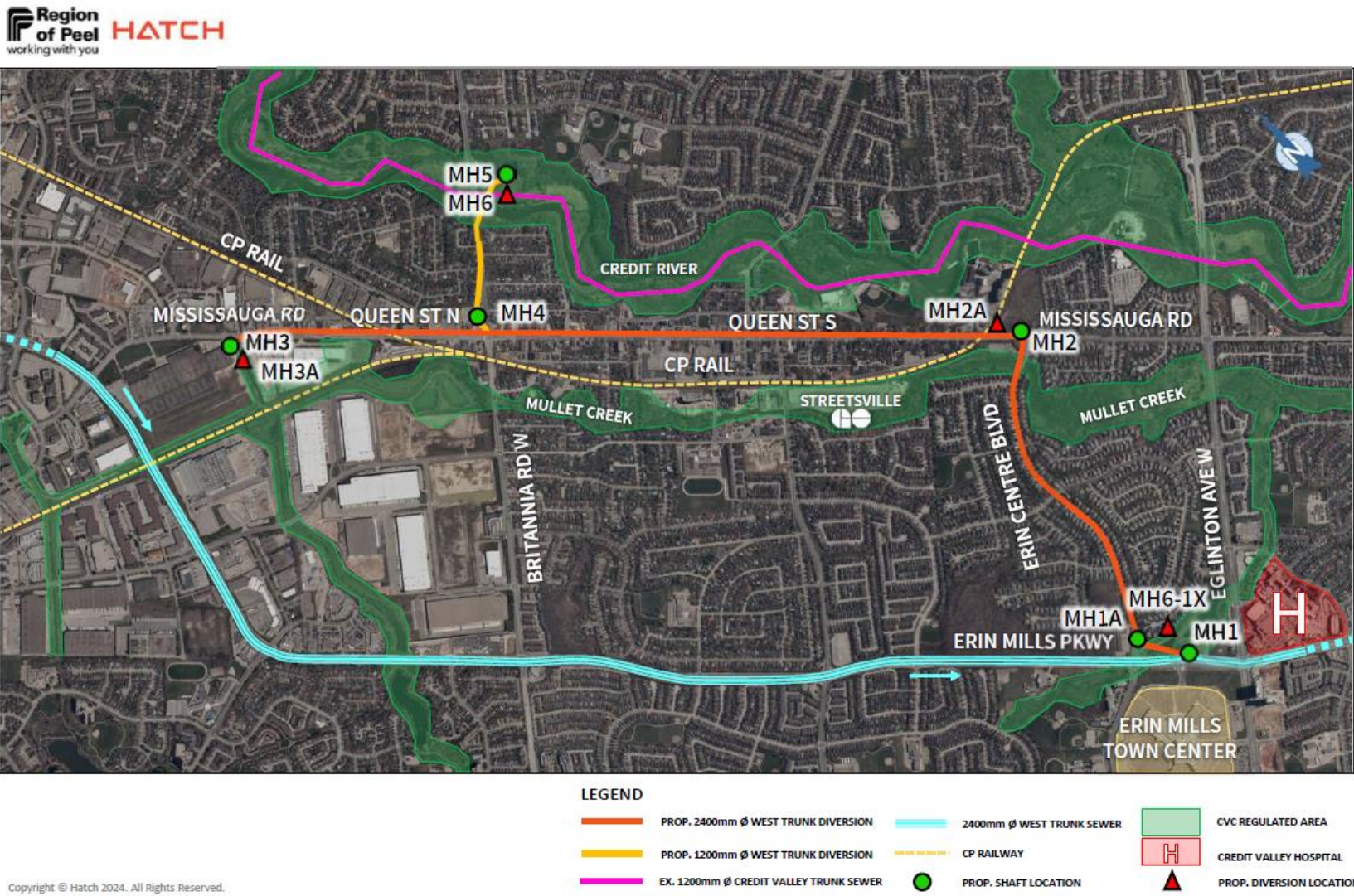
**Scope of Work:**

5km 2400mm trunk sewer

700m 1200mm trunk sewer

**Project Lead:**

Wastewater Linear



# 2025 Large Diameter Tenders Summary



Project Name	Estimated Value (\$M)	Target Tender
The Gore Road Sanitary Sewer/WM; 24-2273 -	\$ 65.0	Q1 2025
Queen and Gore; 23-1160/23-2165	\$ 29.0	Q1 2025
Victoria Feedermain C3	\$ 65.0	Q1 2025
Victoria Feedermain (Dixie Road) - C5	\$ 29.0	Q2 2025
West Brampton WM - Contract 2	\$ 150.0	Q2 2025
Lakeshore Trunk Sewer and Zone 1 WM	\$ 200.0	Q2 2025
Construction Services for Hanlan Feedermain Re-circulation Lines (10-1205)	\$ 2.0	Q2 2025
Queensway Contract 1 - HFM Relocation	\$ 35.0	Q2 2025
Burnhamthorpe / Tomken (Cawthra Phase 3) Construction	\$ 65.0	Q2 2025
East Brampton Watermain C#2 - Tender	\$ 180.0	Q2 2025
Block 1 - Phase 1 - Royal Windsor / Avonhead	\$ 20.0	Q2 2025
Beach SPS Diversion (21-2120)	\$ 22.0	Q2 2025
1200mm sanitary on King St, Emil Kolb Pkwy and Colerain Drive from Humber station to north of George Bolton Pkwy- 24-2196	\$ 30.0	Q4 2025



# 2025 Large Diameter Tenders Summary cont'd...

Project Name	Estimated Value (\$M)	Target Tender
Derry Road WM Installation	\$100.0	Q3 2025
24-1190 - New PZ7 600mm WM on King Street from the future North Bolton BPS to Humber Station Road (Bolton Tender B)	\$14.0	Q3 2025
Construction of the West Trunk diversion	\$200.0	Q4 2025
24-2194 - 1200mm sanitary on Humber Station Road from Healy Road to King Street	\$60.0	Q4 2025
24-2196 - 1200mm sanitary on King St, Emil Kolb Pkwy and Colerain Drive from Humber station to north of George Bolton Pkwy	\$30.0	Q4 2025
Mayfield / Kennedy Crossing	\$6.5	Q1 2026
DTB Phase 3 - Contract 1 - Centre Street - 750WM & 300WM - Queen to Williams	\$55.0	Q1 2026





## 2025 Rehabilitation Tender



# East Brampton 1350mm Sanitary Trunk Sewer Rehabilitation - Contract 1

City of Brampton

### Tender Date:

April 2025

### Estimated Value:

\$15M

### Procurement Type:

Request for Tender

### Work Type:

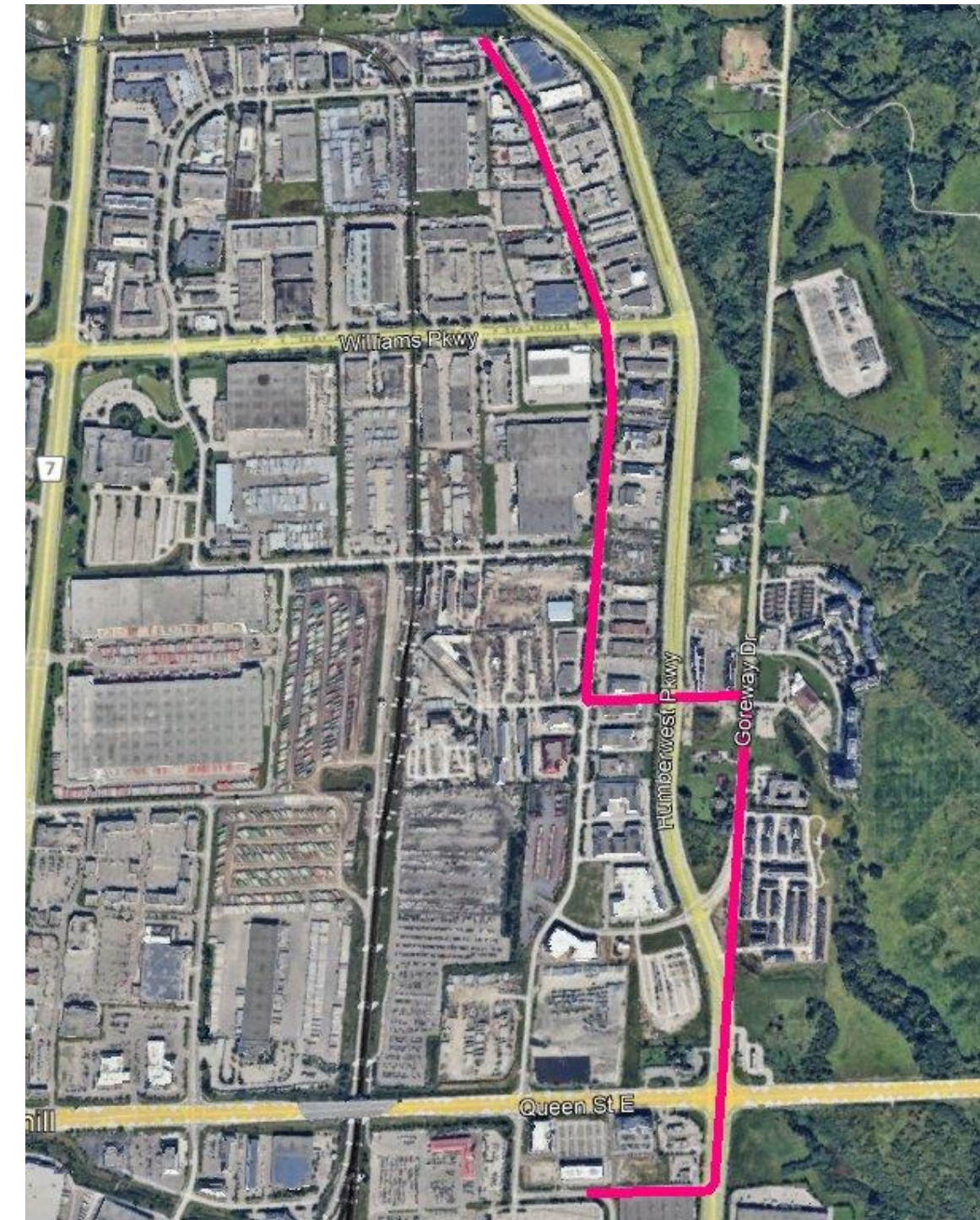
Cured-in-place-pipe (CIPP), spot repairs and MH rehabilitation.

### Scope of Work:

1.5km of 1200mm diameter trunk sanitary sewer rehabilitation.

### Project Lead:

Condition Assessment & Rehab





# 2025 Rehabilitation Tender



## Hanlan 2100/1800mm Feedermain Rehabilitation

City of Mississauga

**Tender Date:**

Fall 2025

**Estimated Value:**

\$25M

**Procurement Type:**

RFPO/T

**Work Type:**

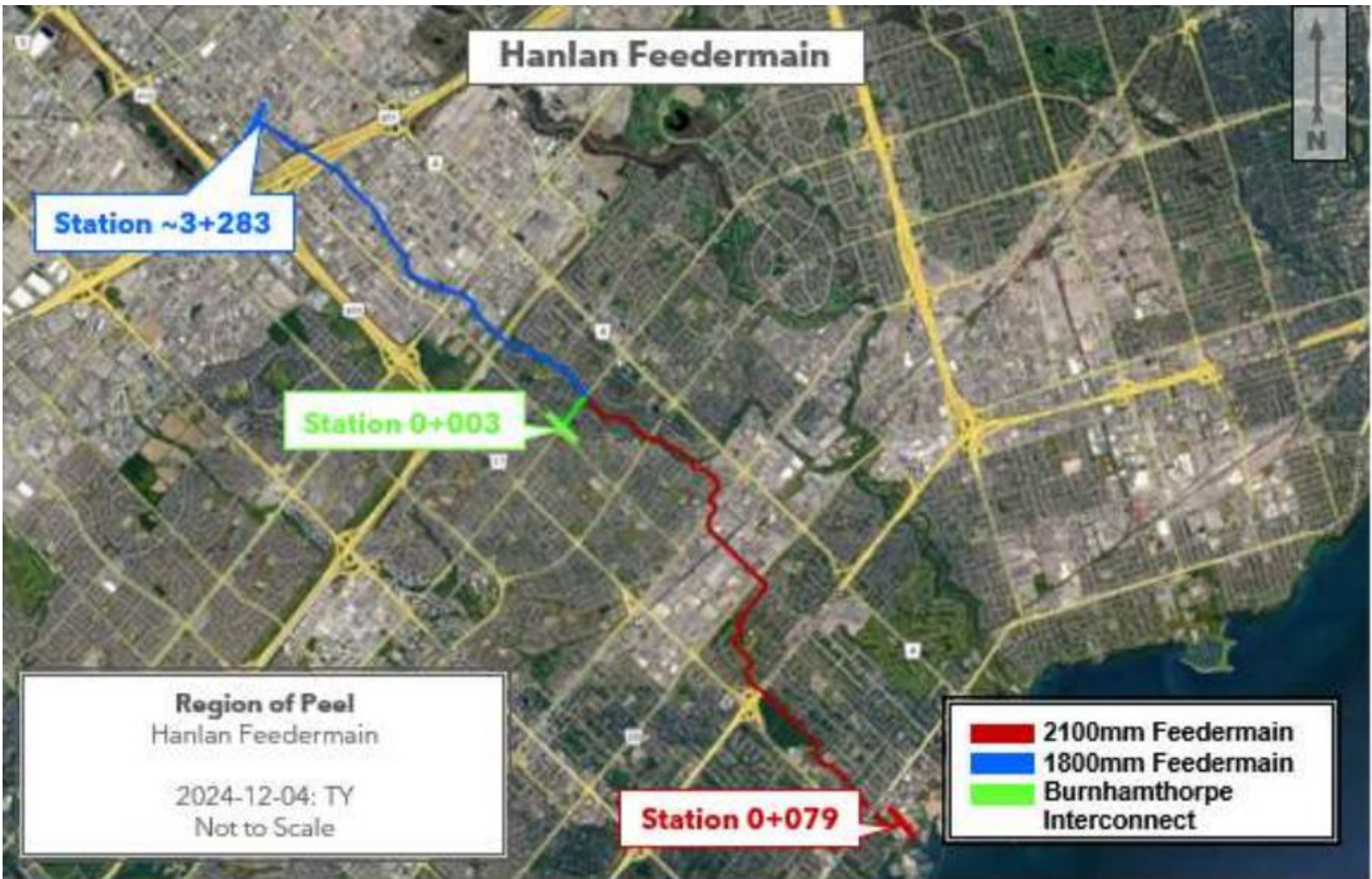
Carbon fibre reinforced polymer (CFRP).

**Scope of Work:**

CFRP rehabilitation and strengthening of several sections of CPP varying in diameter from 1800-2100mm.

**Project Lead:**

Condition Assessment & Rehab





# 2025 Rehabilitation Tenders Summary

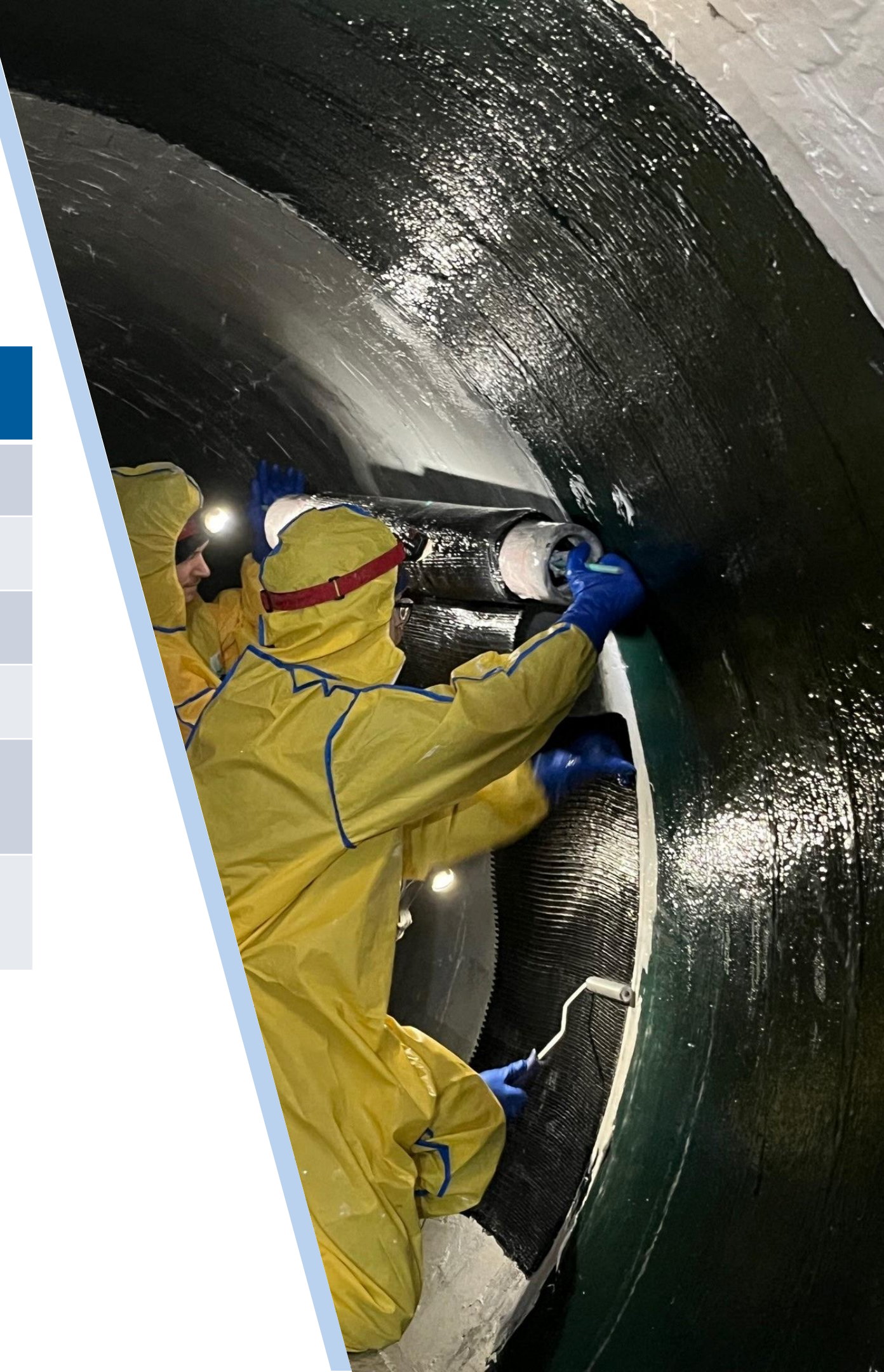


Project Name	Estimated Value (\$M)	Target Tender
RFT for Hard to Line 2023 program: 23-2300E2	\$5.0	Q1 2025
East Brampton 1350mm Sanitary Trunk Rehabilitation	\$15.0	Q1 2025
Hanlan 2100mm / 1800mm Feedermain Rehabilitation	\$25.0	Q3 2025
Erin Mills (Turney) 750mm Sub-transmission Rehabilitation	\$10.0	Q3 2025



# 2026 and Beyond

Tender Date	Project Name	Estimated Value
Q2 2026	Etobicoke Creek Trunk Sewer	\$200M
Q3 2026	Centre Street 750mm Watermain	\$55M
Q3 2026	West Brampton Watermain	\$180M
Q1 2027	Kennedy Road Trunk sewer	\$450M
Q4 2026	Emil Kolb Parkway Trunk Sewer &Watermain	\$75M
Q1 2026	East Brampton Trunk Sewer Rehab Contract 2	\$35M





Peel Region Tenders - Year 2025 to Q1 2026 55 Projects; Approximate Value - \$1.7B			
2025 Q1			
Type of Work	Project Name	Contract #	Estimated Cost (\$M)
Pre-Qual	Pre-Qual for 2024 Lining Program	2024-611PQ	\$ -
Pre-Qual	East Brampton Trunk Sewer Rehabilitation Contractor Prequalification	2024-564PQ	\$ 60.0
SOGR	Water and Wastewater SOGR in Brampton - 22-2300A2	2024-089T	\$ 4.7
Large Diameter	24-2273 - The Gore Road Sanitary Sewer/WM	2024-615T	\$ 65.0
Large Diameter	23-1160/23-2165 - Queen and Gore	2024-552T	\$ 29.0
SOGR	23-2150 - Kensington	2024-344T	\$ 5.0
SOGR	Frozen Water Services	2024-648T	\$ 1.0
Large Diameter	Victoria Feedermain C3	2024-060T	\$ 65.0
SOGR	21-2710 - Cadetta	2023-429T	\$ 4.5
Rehabilitation	23-2300E2: RFT for Hard to Line 2023 program	2024-338T	\$ 5.0
SOGR	2024 SOGR Program W/WW Tender D	TBD	\$ 4.0
Rehabilitation	East Brampton 1350mm Sanitary Trunk Rehabilitation	TBD	\$ 15.0
SOGR	19-2158 - Malta Upsizing	2023-307T	\$ 16.0
2025 Q2			
Type of Work	Project Name	Contract #	Estimated Cost Range
Large Diameter	Victoria Feedermain (Dixie Road) - C5	2024-148T	\$ 29.0
SOGR	WM replacement on Various Streets, City of Mississauga, Project 24-1310H	TBD	\$ 2.5
Large Diameter	West Brampton WM - Contract 2	TBD	\$ 150.0
Pre-Qual	Pre-Qual for contracetros for Bolton - Linear	TBD	\$ -
SOGR	Embleton Local improvement - Construction	TBD	\$ 1.2
SOGR	22-1161 - Goreway Drive at 407	2024-119T	\$ 13.0
SOGR	23-1310A South Sheridan	2024-78T	\$ 9.5
Large Diameter	Lakeshore Trunk Sewer and Zone 1 WM	2024-549T	\$ 200.0
SOGR	2024 SOGR Program W/WW Tender A	TBD	\$ 5.0
Large Diameter	Construction Services for Hanlan Feedermain Re-circulation Lines (10-1205)	2024-046T	\$ 2.0
Large Diameter	Queensway Contract 1 - HFM Relocation	TBD	\$ 35.0
SOGR	Flow Meters Installation - Contract #2	2024-517T	\$ 6.0
SOGR	Watermain Replacement on Vaughan Drive	TBD	\$ 1.5
Large Diameter	Burnhamthorpe / Tomken (Cawthra Phase 3) Construction	TBD	\$ 65.0
SOGR	16-2905 - Watersedge Forcemain Construction	TBD	\$ 12.0
Large Diameter	East Brampton Watermain - C#2 - Tender	2024-083T	\$ 180.0
Large Diameter	Block 1 - Phase 1 - Royal Windsor / Avonhead	TBD	\$ 20.0
Large Diameter	Beach SPS Diversion (21-2120)	TBD	\$ 22.0

Thank You!





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# MUNICIPAL INFRASTRUCTURE SUMMIT



**2025 Municipal Project Pipelines**





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**MUNICIPAL  
INFRASTRUCTURE  
SUMMIT**

**REGION UPDATE**

# HALTON REGION UPDATE

**MAREK BRACZEK**

Director of Engineering  
and Construction

**CHRIS MILLS**

Manager of Capital  
Engineering and Construction



# CONSTRUCTION FORECAST HALTON REGION

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Tuesday, February 11, 2025

**Marek Braczek**

Director of Engineering and Construction

**Chris Mills**

Manager of Capital Engineering and Construction



**GTSWCA**  
Greater Toronto Sewer & Watermain  
Contractors Association

SCAN FOR A LIST OF OPEN  
BID OPPORTUNITIES AT  
**HALTON REGION**





# Program Agenda

01

## Project Delivery Corporate Structure

02

## Planning Updates

- 2023 Allocation Program
- Master Plan Update

03

## Capital Delivery Funding Overview

04

## Capital Programs

- Long-term & short-term forecasts
- 2025 Tenders
- Project Highlights

05

## Current & Future Initiatives



SCAN FOR A LIST OF  
OPEN BID  
OPPORTUNITIES  
AT HALTON REGION



# HALTON'S INFRASTRUCTURE PROGRAM

Organization & Function

## PUBLIC WORKS



### PLANNING



- Asset Management
- Transportation Planning
- Water Wastewater Planning

### DESIGN & CONSTRUCTION



- Transportation
- Water Distribution (Linear & Vertical)
- Wastewater Collection (Linear & Vertical)
- Waste Management
- Water Treatment
- Wastewater Treatment

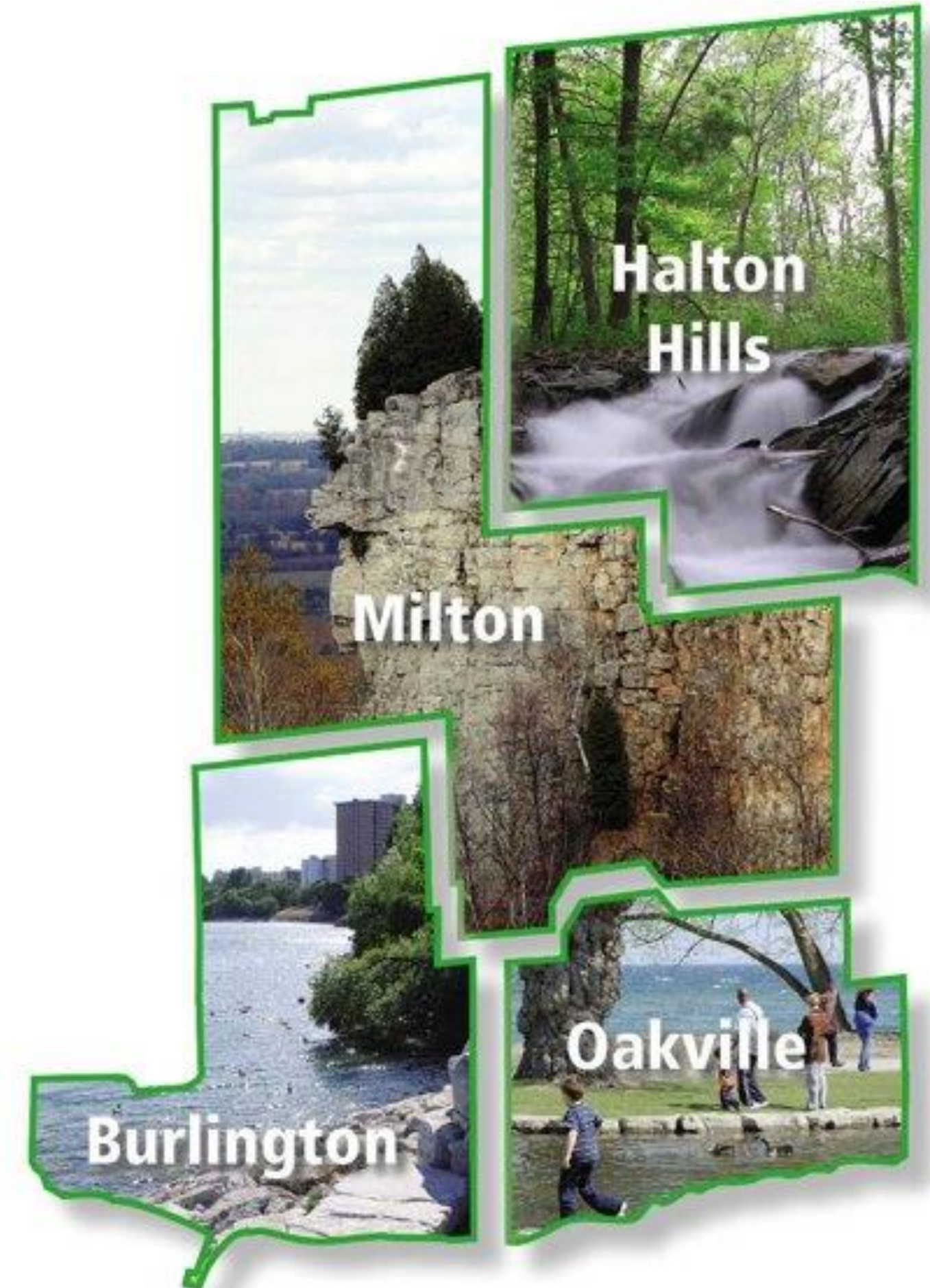


# Allocation Program

For more than 20 years, the financing of growth-related infrastructure has been provided through Allocation Agreements between the Region and the development community.

Developers prepay residential water, wastewater and roads Development Charges in turn for commitment of servicing capacity.

The 2023 Allocation Program supports the construction of almost 100,000 housing units in the four local municipalities.









# Capital Funding – Funding Overview

## Two types of Programs

### Non-Development (SOG R)

- **Typical projects:** like for like replacements
- Approved by Council annually (typically December)
- Rate funded (Water/Wastewater), Levy/Tax (Road)

### Development (Allocation)

- **Typical projects:** large, complex, multi-year
- Trunk watermains and wastewater mains, road widenings, treatment expansion, pumping stations, etc.
- Financed through approved Allocation Programs



# Capital Program Forecast to 2031

## Allocation & SOGR



**TOTAL: \$5,440M**



# Capital Program Forecast to 2031

	Allocation Program	State-of-good-repair Program	Combined Program
Water/Wastewater Linear	\$500M	\$630M	\$1,130M
Water/Wastewater Vertical	\$430M	\$40M	\$470M
Water/Wastewater Treatment	\$770M	\$290M	\$1,060M
Transportation	\$2,520M	\$210M	\$2,730M
Waste Management	-	\$50M	\$50M
TOTAL	\$4,220M	\$1,220M	\$5,440M



# Capital Program Tenders – 2025 to 2027

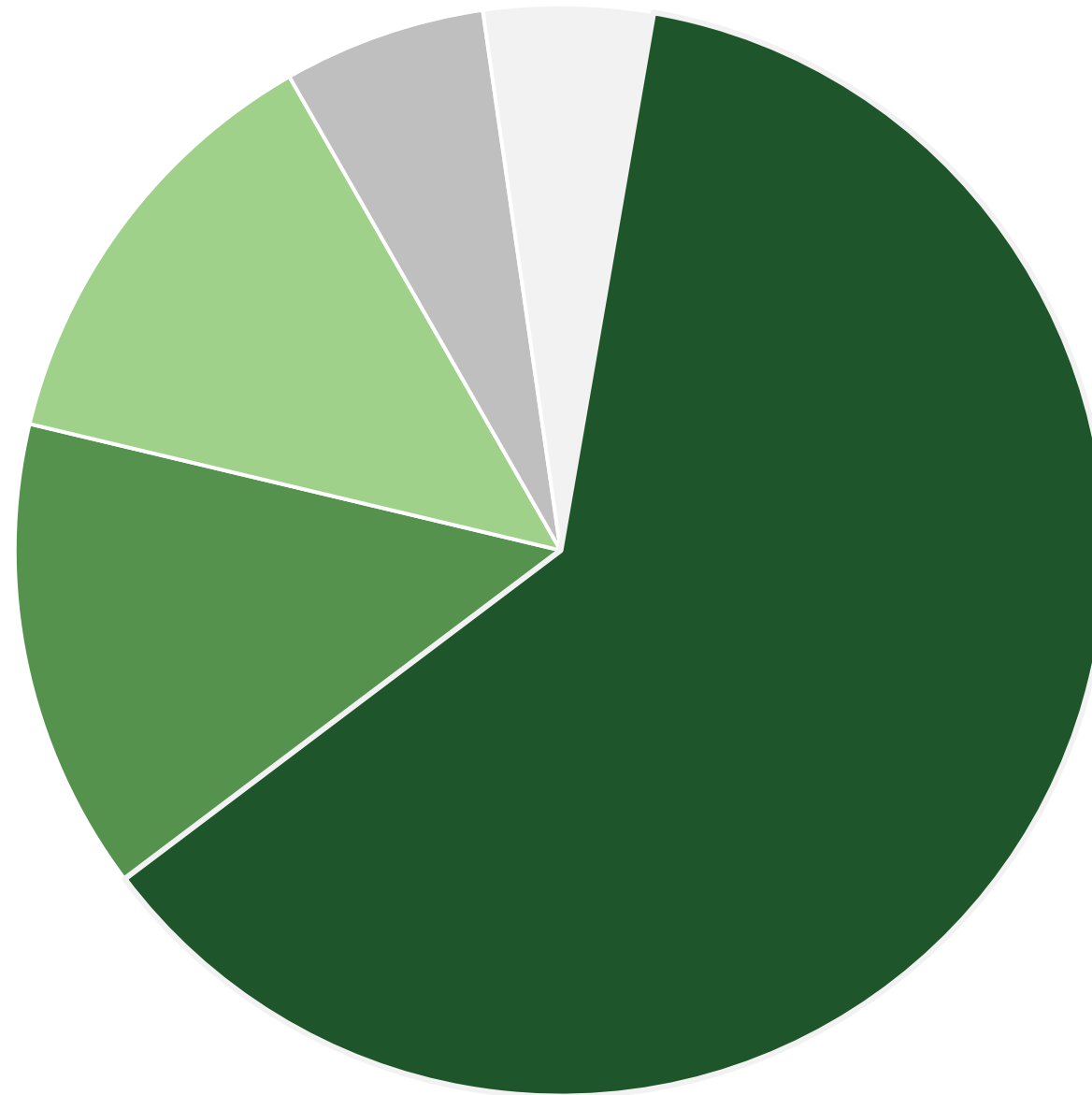
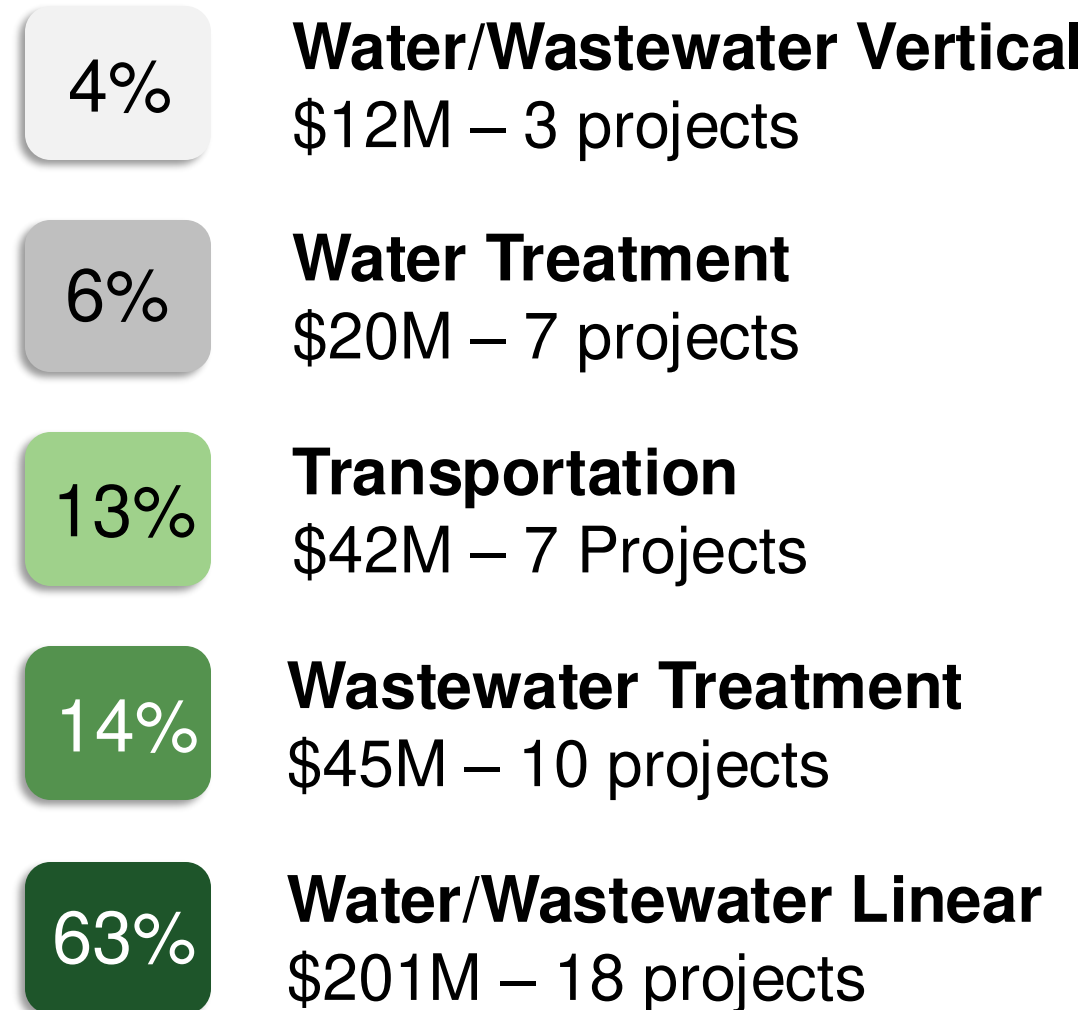
Proposed Project Bundles	2025	2026*	2027*
Water/Wastewater Linear	18	15	8
Water/Wastewater Vertical	3	4	2
Water/Wastewater Treatment	17	9	5
Transportation	7	20	4
Waste Management	-	1	1
<b>TOTAL</b>	<b>45</b>	<b>49</b>	<b>20</b>

\* Estimated projections



# 2025 Capital Program (Construction) - Review

## Allocation & SOGR



**45**

Planned RFTs



**\$320 Million**

Total Construction Program



**15 km**

Wastewater mains



**13 km**

Watermains



**13 km**

Transportation



**3 Pump  
Stations**

(Water & Wastewater)



**12 Treatment  
Plants**

(Water & Wastewater)



# 2025 Projected Construction Tenders - Details

RFT Count	Project Number	Project Type	Project Description	2025 Tender Quarter	Construction Budget (\$M)
1	PR-3219B	W/WW Linear	WM/WWM on Prospect Street and Grahams Lane	Q1	10.5
2	PR-3403	W/WW Linear	WM/WWM on Hertel Crescent	Q1	2.9
3	PR-3342G	Transportation	2025 Road Resurfacing Capital Program	Q1	15.2
4	PR-2814D	WW Linear	WM on Speers Road and WM on Progress Court Easement	Q1	10.5
5	PR-2987C	WW Vertical	John Street Pumping Station Upgrades and Rehabilitation	Q1	6.3
6	PR-3243B, PR-3338B	Transportation	Campbellville Sedimentation Basin	Q2	2.7
7	PR-3252	Transportation	Replacement of Noise Attenuation Barriers (Region-Wide)	Q2	2.4
8	PR-3095C	WM Linear	Bailie Reservoir Installation of New Piping	Q2	2.8
9	PR-3409, PR-3410	WW Vertical	Kingham WWPS & Grandview Ave WWPS - Mechanical/Electrical Upgrades	Q2	4.1
10	PR-3470	W/WW Linear	WM/WWM on Various Locations in the Town of Halton Hills	Q2	24.4
11	PR-3449, PR-4449, PR-4449B	W Linear	WM on Fairview Street, Brock Avenue, Regina Drive, Brant Street, Fairview Street and Sovereign Street	Q2	12.7
12	PR-3351	W Linear	Zone 3,4,5 Pressure Boundary Realignment	Q2	6.6
13	PR-3380	Transportation	2022 Bridges and Culverts Rehabilitation & Replacement Program	Q2	5.8
14	PR-3447	W/WW Linear	WM/WWM on Various Locations in Southeast Oakville	Q2	13.5
15	PR-3547	W/WW Linear	WM/WWM Oakville Midtown	Q2	32.2
16	PR-3401, PR-3441, PR-3477B, PR-4441	W/WW Linear	WWM at Armstrong WWPS, WM Guelph Street and Intersection of Guelph Street and Mountainview Road, and Sinclair Avenue	Q2	11.5
17	PR-3446	WW Linear	WWM on Various Locations in Southwest Oakville	Q2	26.6
18	PR-3448	W Linear	WM on Upper Middle Road and Cavendish Easement WM Abandonment	Q2	10.3
19	PR-2814C	WW Linear	WWM on Speers Road	Q2	3.1



# 2025 Projected Construction Tenders - Details

RFT Count	Project Number	Project Type	Project Description	2025 Tender Quarter	Construction Budget (\$M)
20	PR-3480	W Vertical	Main Street PS - Mechanical Upgrades	Q3	1.5
21	PR-2888, PR-2889F	Transportation	New Signals James Snow Parkway at Holgate Crescent / Parkhill Drive and Regional Road 25 at Henderson Road	Q3	1.8
22	PR-3401B	W Linear	WM on Elgin Street and Queen Street	Q3	9.5
23	PR-3445	WW Linear	Belvedere WWPS Forcemain Upgrades	Q3	3.6
24	PR-3338C	Transportation	Stormwater Outlet Erosion on Appleby Line - North of Highway 407	Q3	10.0
25	PR-3042AK	WW Linear	Basement Flooding Open Cut & Spot Repair - Part C (Region Wide)	Q3	8.0
26	PR-3513B	WW Linear	WWM on Childs Drive and Nipissing Road	Q3	8.4
27	PR-3513C	WW Linear	WWM on Oak Street and Fulton Street	Q3	3.6
28	PR-2236, PR-2464	Transportation	Winston Churchill Boulevard 2 Lane Reconstruction	Q4	3.9



# 2025 Projected Construction Tenders - Details

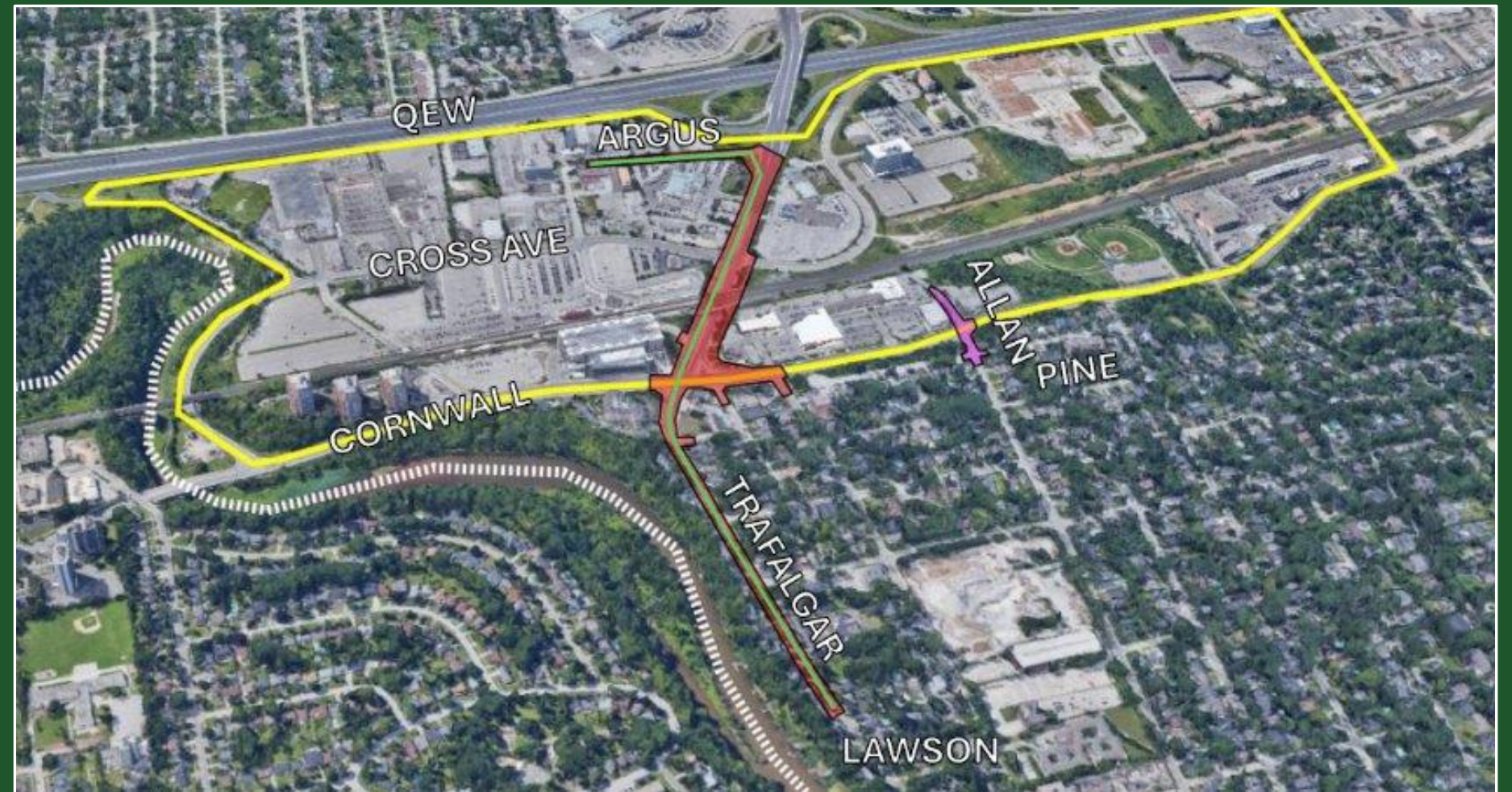
RFT Count	Project Number	Project Type	Project Description	2025 Tender Quarter	Construction Budget (\$M)
1	PR-3423B/PR-3424A	WWT	Oakville SW WWTP - Primary Digester #2 Rehab and Tunnel Waterproofing	Q1	3.1
2	PR-3320A	W/WW	Mid-Halton WWTP - New Maintenance Facility	Q1	14.4
3	PR-3366A	WT	Burloak WTP – Dehumidification Upgrades [Phase 1]	Q1	2.1
4	PR-3423A	WWT	Oakville SE WWTP – Digester #1 and #4 Rehab/Upgrade	Q1	4.3
5	PR-3417A	WWT	Acton WWTP – Filter Building Retrofit	Q1	3.8
6	PR-3233H	WT	Burlington WTP – TSSA Compliance Items	Q1	0.5
7	PR-3427A	WT	South WT Facilities - Emergency Chlorine Shut-off Valve Upgrades	Q2	0.9
8	PR-3277A	WWT	SCADA Masterplan – Oakville SW Facility SCADA Upgrades	Q3	1.6
9	PR-3497A	WT	Burlington WTP – Wastewater Outfall Cleaning	Q3	0.8
10	PR-3419A	WWT	Mid-Halton WWTP - Admin Building Windows	Q3	0.7
11	PR-3486A/PR-3487A	WWT	Skyway WWTP – Chemical System Upgrades	Q3	3.4
12	PR-3496A	WT	Campbellville Well – PLC Upgrade	Q4	0.4
13	PR-3229A	WWT	Milton WWTP – Plant Decommissioning	Q4	5.1
14	PR-3498A	WT	Georgetown WTP – Lab Refurbishment and Gate Upgrades	Q4	0.5
15	PR-3358A	WWT	Burlington WTP – Primary Power and Surge Protection Upgrades	Q4	7.8
16	PR-3176A	WWT	Skyway WWTP – Dewatering Upgrades	Q4	13.6
17	PR-3229A	WWT	Georgetown WWTP – Electrical Upgrades	Q4	2.2



# Oakville Midtown (PR3547)

## Key Elements:

- New 1050 – 1200mm diameter Sanitary Trunk Sewer along Trafalgar Rd. from Lawson St. to Argus Rd.
- Tunneling and open cut construction.
- Extensive coordination with various stakeholders to ensure minimal disruption.



Construction  
Budget  
**\$32M +/-**



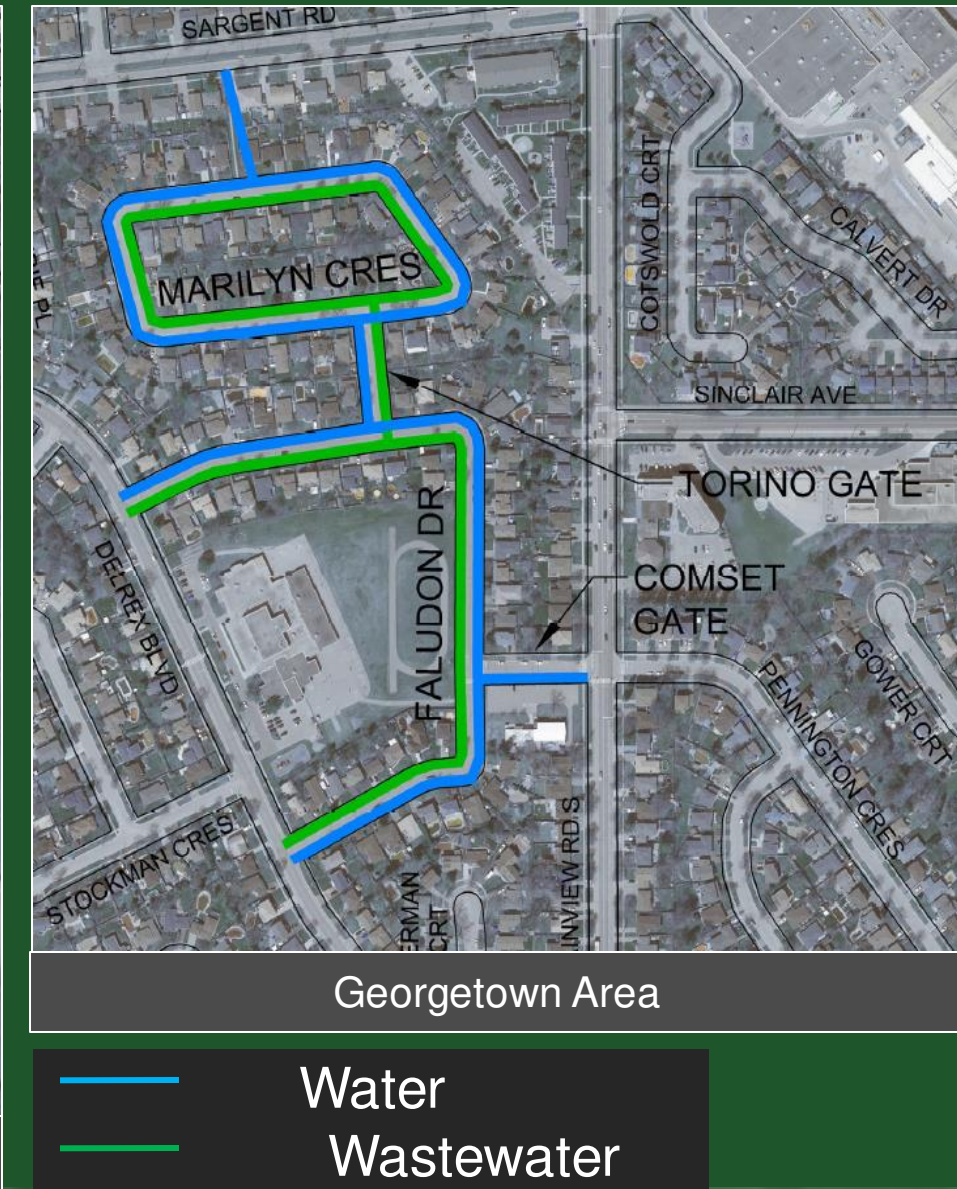
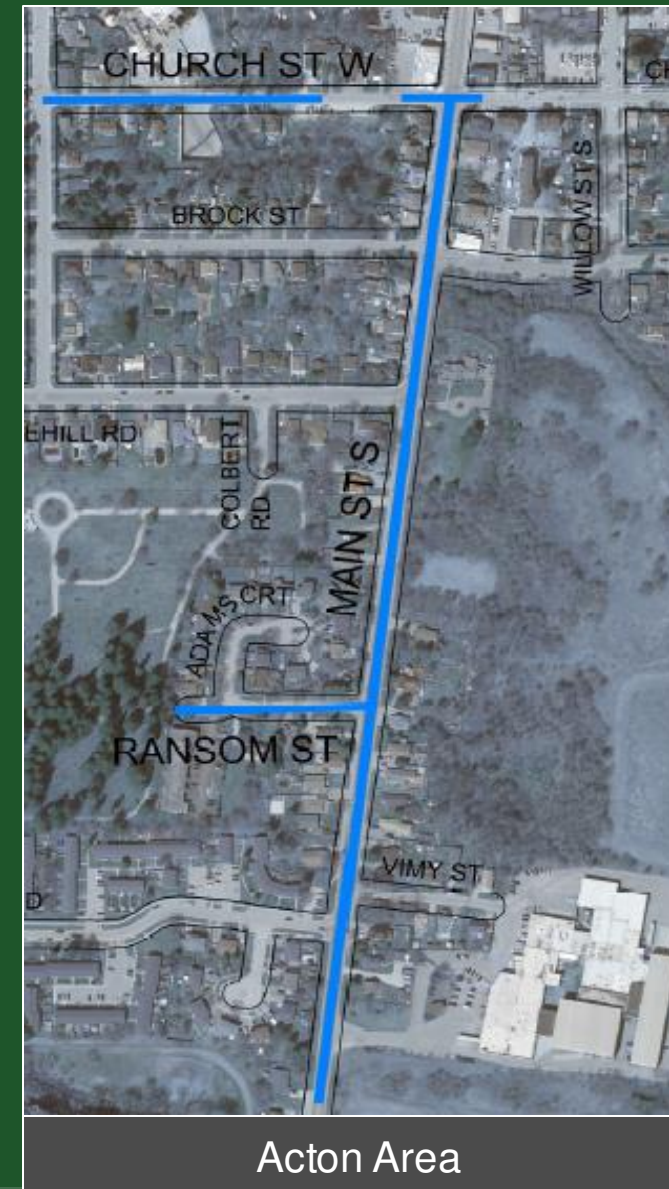
Schedule  
Pre-qual: **Q1 2025**  
Tender: **Q2 2025**



# WM & WWM Replacement In Halton Hills (PR-3470)

## Key Elements:

- Replacing approx. 2.6 km watermain ranging from 200 mm – 300 mm
- Replacing approx. 1.3 km wastewater main ranging from 150 mm – 250 mm
- Combination of open cut and trenchless installation
- Two (2) creek crossings



Construction  
Budget  
\$29.3M +/-



Schedule  
Pre-qual: CLOSED  
Tender: Q2 2025



# Trafalgar Road Widening (PR2079D)

Dundas Street to Highway 407

## Key Elements:

- 2.3 km road widening from 4 to 6 lanes including active transportation (sidewalks and cycle tracks)
- Wastewater mains (up to 750mm) and Stormwater sewers (up to 1500mm)
- Raising road grade by up to 2.5 m for ~ 1 km stretch of ROW



Construction  
Budget  
**\$90M +/-**



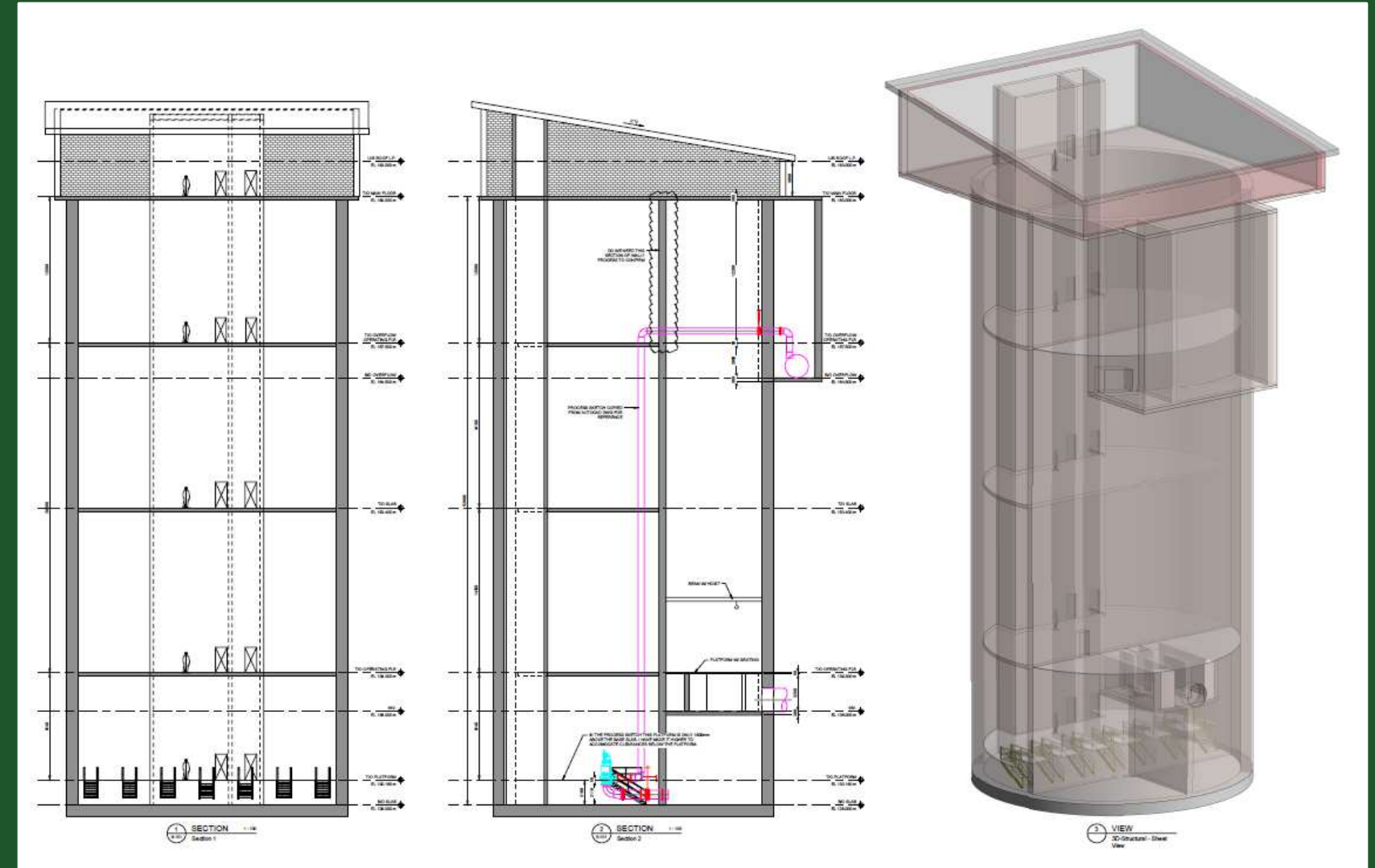
Schedule  
Pre-qual: **2026**  
Tender: **2026**



# Lower Baseline WWPS and Sewers (PR3505)

## Key Elements:

- New 3,200 L/s WWPS at Bronte Road & Johnson Way.
- 3.2km of 3000mm DIA trunk WWM from Johnson Way to Fourth Line. Depth of WWM will vary from 40m to 60m +/-.
- Anticipate 3 separate contracts (shaft, WWM, and WWPS).



Construction  
Budget  
**\$230M +/-**



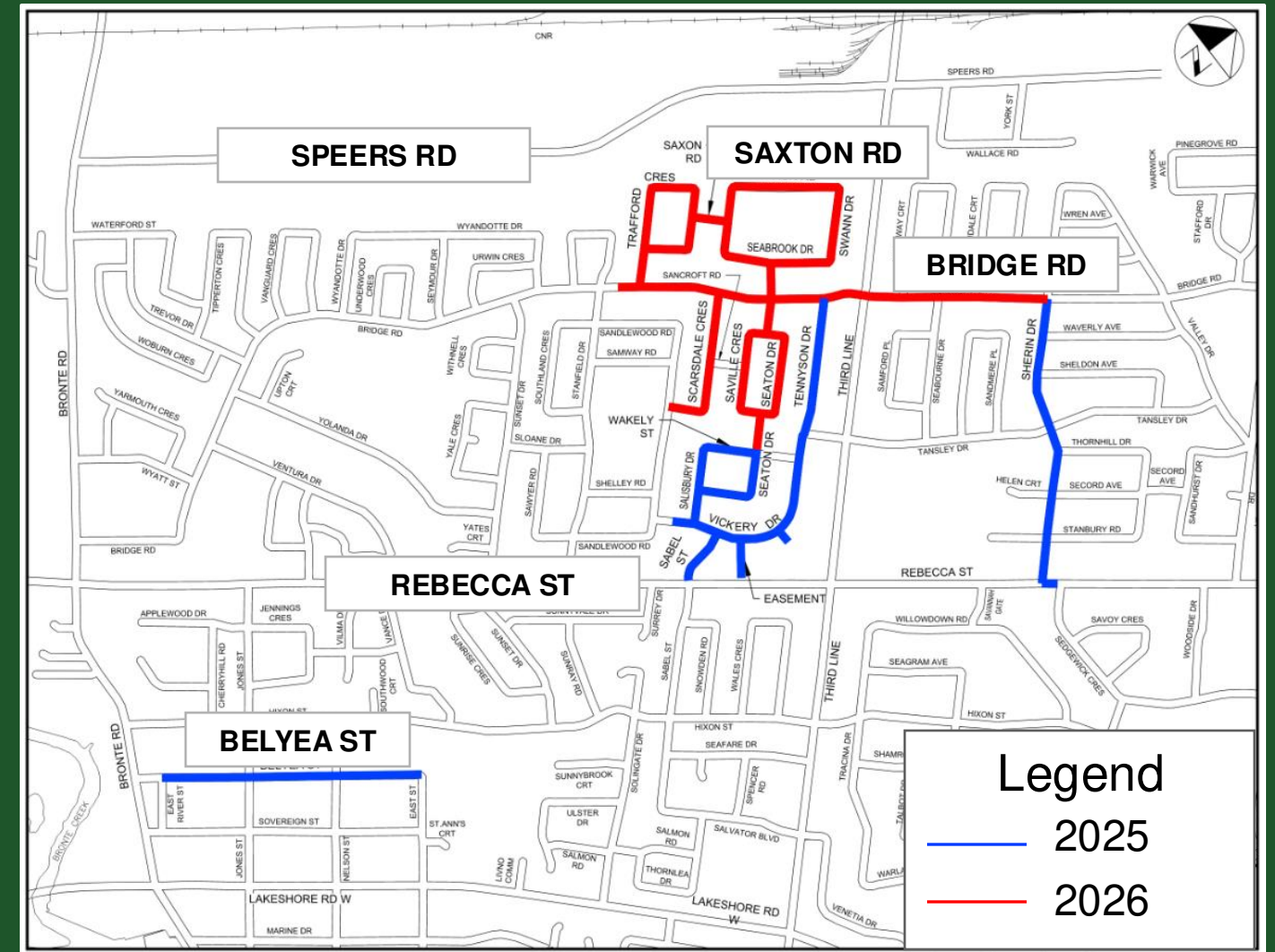
Schedule  
Pre-qual: **2025**  
Tender: **2026**



# WM & WWM Saville Area (PR3446)

## Key Elements:

- Replacing approx. 6.9km of VC sanitary pipe ranging from 250mm – 525mm
- Replacing/lining approx. 515 laterals
- Replacing 1.1km of 150mm watermain
- Will be Tendered as 2 separate Tenders to assist in facilitating the Town storm sewer and ditching work.



Construction Budget  
Tender 1: \$12.6M +/-  
Tender 2: \$16.9M +/-



Schedule  
Tender 1: Q2 2025  
Tender 2: Q1 2026



# Additional Projects in the Forecast

## 2026 Tenders:

- **WM & WWM on North Service Road** - From Iroquois Shore Road to Ford Drive
- **WM & WWM along Fourth Line, Fifth Line and Lower Base Line** - South of Britannia Road
- **Regional Road 25** - Widening from 4 to 6 lanes from Steeles Avenue to 5 Side Road
- **Premier Gateway Employment Area** - New Wastewater Pump Station and Linear Works
- **Dundas Road Widening** - Widening from 4 to 6 lanes from Kerns Road to Appleby Line

## Post 2027 Tenders:

- **Trafalgar Road Widening** - Widening from 2 to 4 lanes from 10 Side Road to Highway 7 including watermain (2027)
- **Ninth Line** - Widening from 2 to 4 lanes from Dundas Street to Eglinton Avenue (2028)
- **James Snow Parkway** - New 6 lane road from Britannia Road to Highway 407 (2029)
- **Norval Bypass** - New Road from Highway 7 to 10 Side Road (2030)



# Current and Future Initiatives

01

## Vendor Performance Management Program

- Promotes fair, transparent and objective assessment of Vendor performance

02

## Request for Pre-Qualification for Contractors

- Provides a technical evaluation component to the tender process
- Typically used on larger, more complex projects
- Each RFPQ is different, review documents carefully

03

## Equipment Pre-Purchases

- Purpose to avoid delays and provide cost certainty on equipment supply.
- Being used on projects for critical / long lead items.

04

## Alternative Contract Delivery Models

- Currently being explored on targeted projects to reduce project timelines.
- No formal plans for implementation in Public Works



# THANK YOU!

## Marek Braczek

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marek.braczek@halton.ca  
905-825-6000 x7128

## Chris Mills

Manager of Capital Engineering and Construction  
chris.mills@halton.ca  
905-825-6000 x8160



SCAN FOR A LIST OF OPEN BID OPPORTUNITIES  
AT HALTON REGION



Check out some of our active projects  
**halton.ca/construction**





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Contractors Association

# MUNICIPAL INFRASTRUCTURE SUMMIT



## 2025 Municipal Project Pipelines





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SUMMIT**

**REGION UPDATE**

# **CITY OF TORONTO UPDATE**

**MIKA RAISANEN**

Director, Design & Construction Linear Underground  
Infrastructure Engineering & Construction Services



**GTSWCA – City of Toronto  
Municipal Infrastructure Summit  
Toronto Water and Engineering & Construction Services (ECS)  
2025 Capital Works Program**

**Mika Raisanen, P. Eng.  
Director, Design & Construction  
Linear Underground Infrastructure  
Engineering & Construction Services**

February 11, 2025





# Agenda

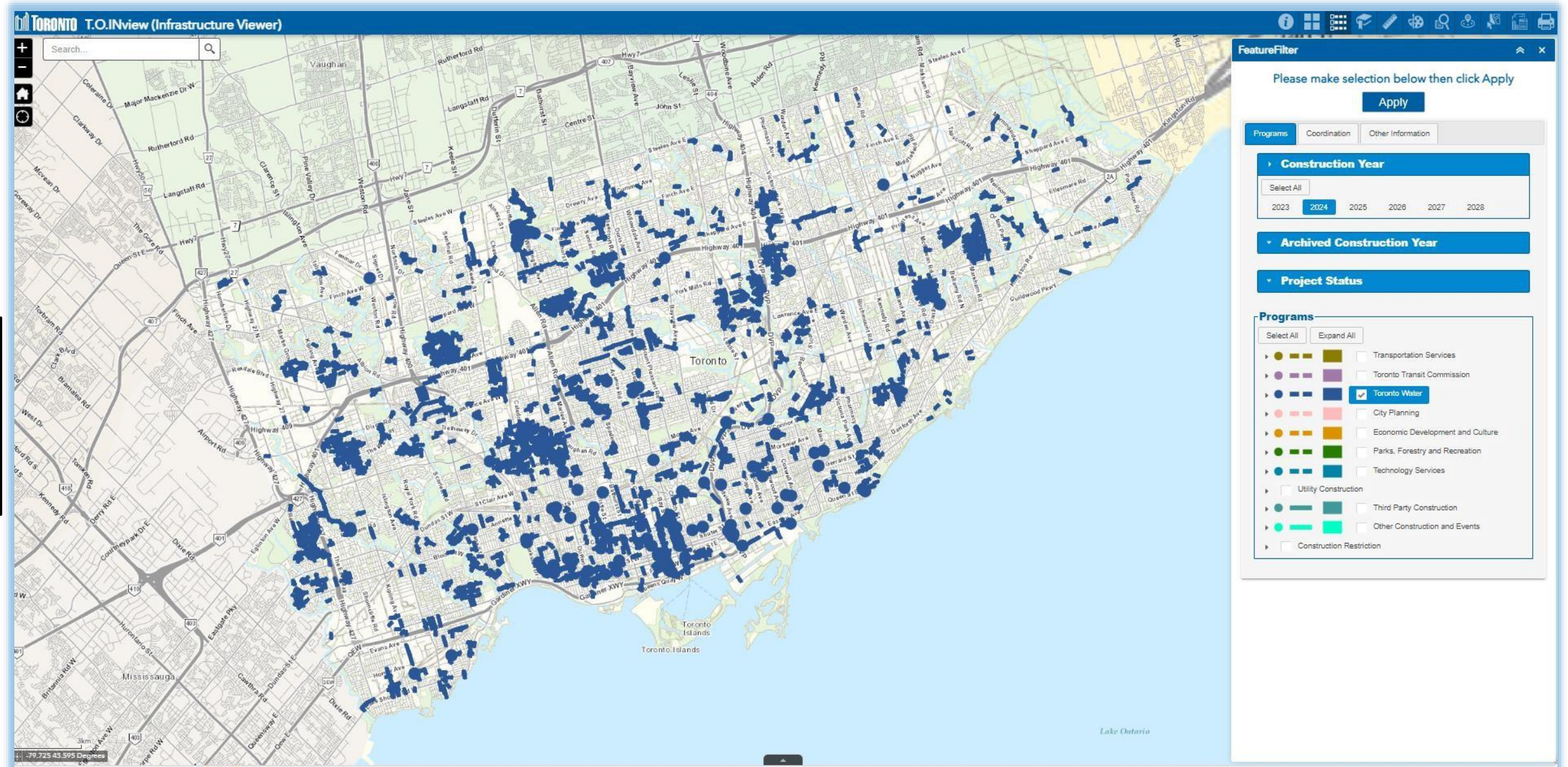
- **2025 Capital Program Overview**
- **2025 ECS Capital Program - Underground**
- **2025 ECS Key Projects**
- **Procurement**
- **Key Challenges**
- **Questions**





# Toronto Water 2025 Capital Works

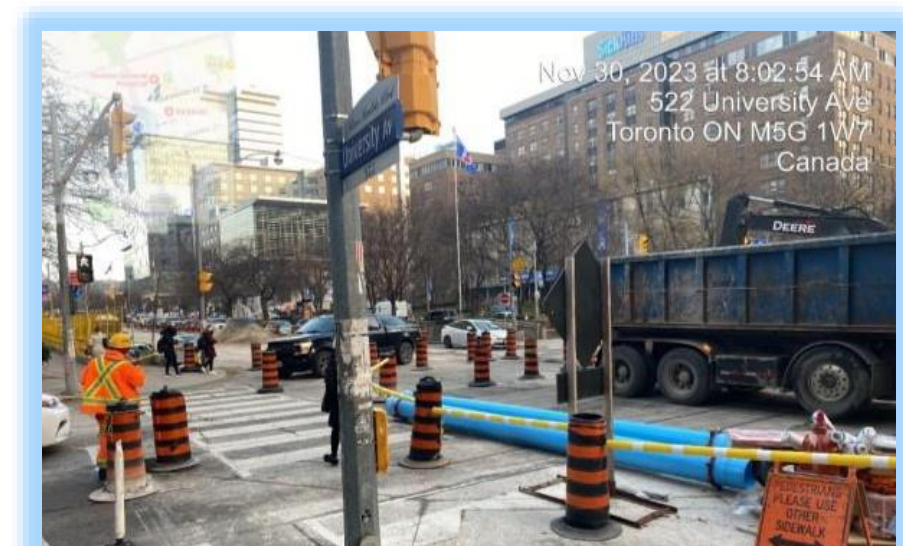
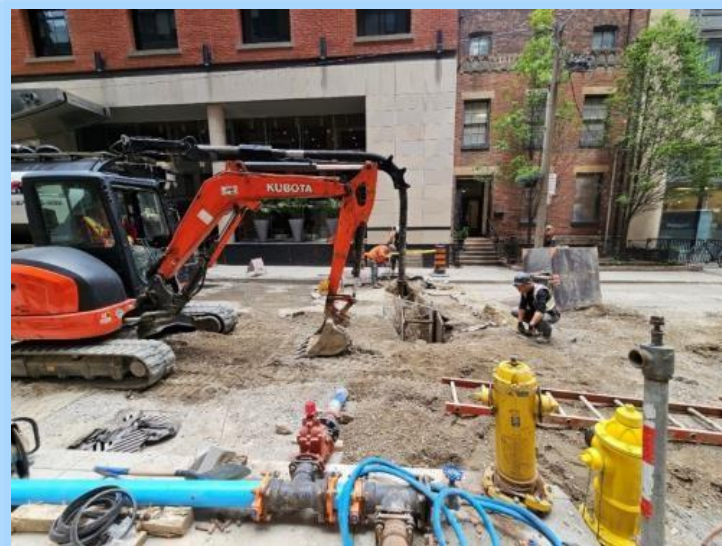
**TO InView Map**  
showing 2025  
TW projects





# Watermain Replacement

2024	2025
Awarded \$69M of construction, across 17 contracts	<b>Capital plan anticipates approx. \$105M of new awards, across ~20 contracts</b>
Examples: University Ave, King St W, Harbord St, Lawrence Ave W	Standalone Watermain Replacements, and Projects bundled with Transportation Services, TTC
City-wide on Arterials and Local Roads Administered by Engineering and Construction Services	
Scope: Like for like replacements, and upgrades	





# Sewer Replacement

2024

Awarded \$13M of construction, across 9 contracts

Examples: Harbord St, George St, The Esplanade

2025

**Capital plan anticipates approx. \$30M of new awards, across ~6 contracts**

Standalone Sewer Replacements, and Projects bundled with Transportation Services

City-wide on Arterials, Local Roads and Ravines Administered by Engineering and Construction Services

Scope: Like for like replacements





# Basement Flooding Protection Program

2024

Awarded \$146M of construction, across 3 contracts

2025

**Capital plan anticipates approx. \$150M of new awards, across ~5 contracts**

Administered by Engineering and Construction Services





# Trunk Sewers & Transmission Watermains

2024	2025
<b>Trunk Sewers:</b> No construction awards in 2024	<b>Trunk Sewers:</b> Capital plan anticipates approx. \$30M of new awards, in 1 contract
<b>Transmission Watermains:</b> Awarded \$30M of construction, across 2 contracts	<b>Transmission Watermains:</b> Capital plan anticipates less than \$1M of new awards
Administered by Engineering and Construction Services	





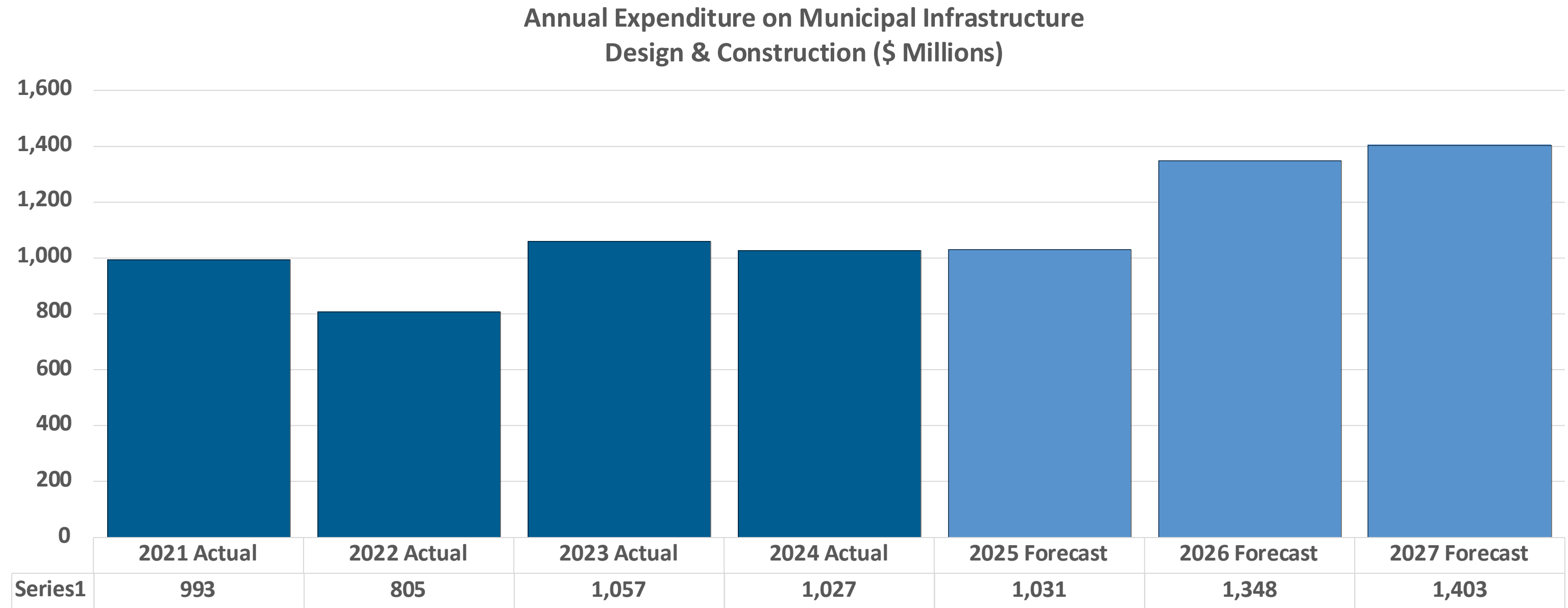
# Watermain & Sewer Rehabilitation

Rehabilitation Type	2024	2025
Watermain Structural Lining	Awarded \$69M across 7 contracts	<b>Capital plan anticipates approx. \$75M of new awards, across ~ 11 contracts</b>
Watermain Cathodic Protection		
Sewer Rehabilitation		
Administered by Toronto Water		





# ECS Capital Program Delivery





# 2025 ECS Capital Program - Underground

- **Engineering & Construction Services is assigned a significant portion of the Toronto Water capital budget each year.**
- **2025 Forecast:**
  - **Plan to Issue 34 Construction Tenders**
  - **Budget Value \$386M**
  - **41Km Watermain Replacement**
  - **18Km Sewer Replacement**



# 2025 ECS Capital Program - Underground

ECS Section	Tenders	Value	WM	Sewer
Linear Underground Infrastructure	16	\$286M	28Km	16Km
Roadways	18	\$100M	13Km	2Km
Total	34	\$386M	41Km	18Km

Notes: - Multi-Year Contracts  
- Contracts include Roadwork



# 2025 Key ECS Projects

Project	Location	Description	Contract No.	Planned Advertise
BFPP-RFSQ	City Wide	Pre-Qualification	RFSQ	Out for Tender
BFPP-Area 34-03/11	Scarborough SW	Storm and Sanitary Improvements	23ECS-LU-08FP	Out for Tender
BFPP-Area 39-10/11/13	Etobicoke North	Storm and Sanitary Improvements	23ECS-LU-10FP	Out for Tender
Sheppard Av.	Vic Park to Kennedy	WMR and Major Road Resurfacing	24ECS-LU-11SU	February 2025
BFPP-Area 41-03/06	Etobicoke Centre	Storm and Sanitary Improvements	24ECS-LU-01FP	March 2025
Mimico STS	Mimico Creek	Trunk Sewer Rehabilitation	25ECS-LU-02TT	April 2025
Warden Av.	Ellesmere to Eglinton	WMR and Major Road Resurfacing	25ECS-LU-04SU	May 2025
BFPP-Area 36-18	Etobicoke Centre	Storm and Sanitary Improvements	25ECS-LU-03FP	May 2025
WM Replacement	Various Streets	WMR, WSR and Sewers	25ECS-LU-06SU	May 2025



# Procurement

- **Request for Tenders (RFT)**
- **Request for Proposal (RFP)**
- **Negotiated Request for Proposal (nRFP)**
- **Request for Supplier Qualifications (RFSQ) - BFPP**



# Key Challenges

- **Traffic Congestion Management**
- **Construction Coordination**
- **Construction Site Cleanliness**
- **2026 FIFA World Cup**



**Thank you**

**Questions?**







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**2025 Municipal Project Pipelines**





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INFRASTRUCTURE  
SUMMIT**

**REGION UPDATE**

# **DURHAM REGION UPDATE**

**BEN MCWADE**

Manager, Works | Sustainable Infrastructure





# Water Supply and Sanitary Sewerage 2025 Major Projects

Ben McWade, Manager – Sustainable Infrastructure



## Water Supply System



Service Population  
715,396



2 Lake Water  
Supplies and 8  
Groundwater Aquifer  
Supplies



2,693 kms of  
Watermains



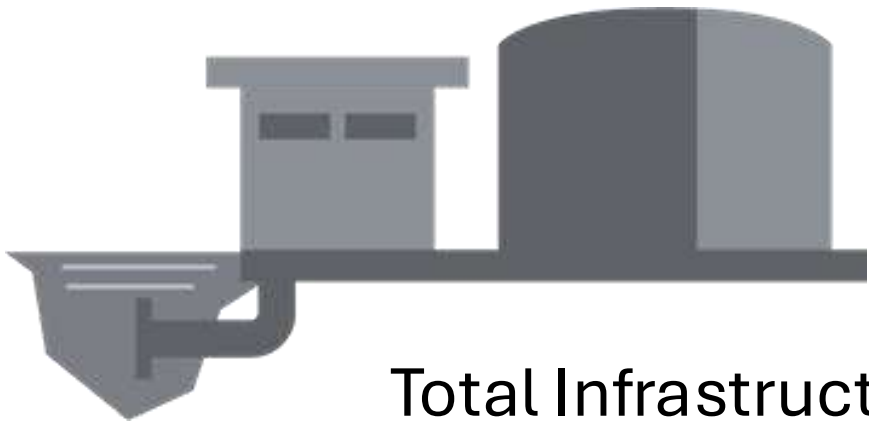
185,362  
Water  
Meters



17,254 Fire  
Hydrants

### Vertical Assets:

- 6 Surface Water Treatment Facilities
- 23 Groundwater Treatment Facilities
- 10 Water Pumping Stations
- 9 Combined Pumping  
Stations/Reservoir
- 14 Water Storage Facilities



Total Infrastructure  
Value  
\$6.89 Billion



## Sanitary Sewerage System



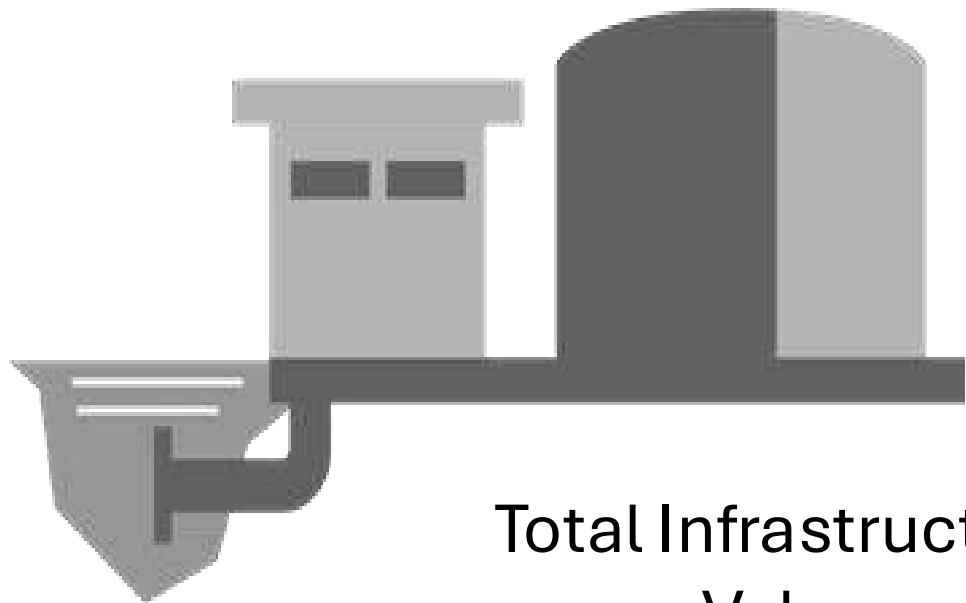
Service Population  
702,181



32,808  
Maintenance Holes



2,327 km of Sanitary  
Sewers



Total Infrastructure  
Value  
\$7.80 Billion

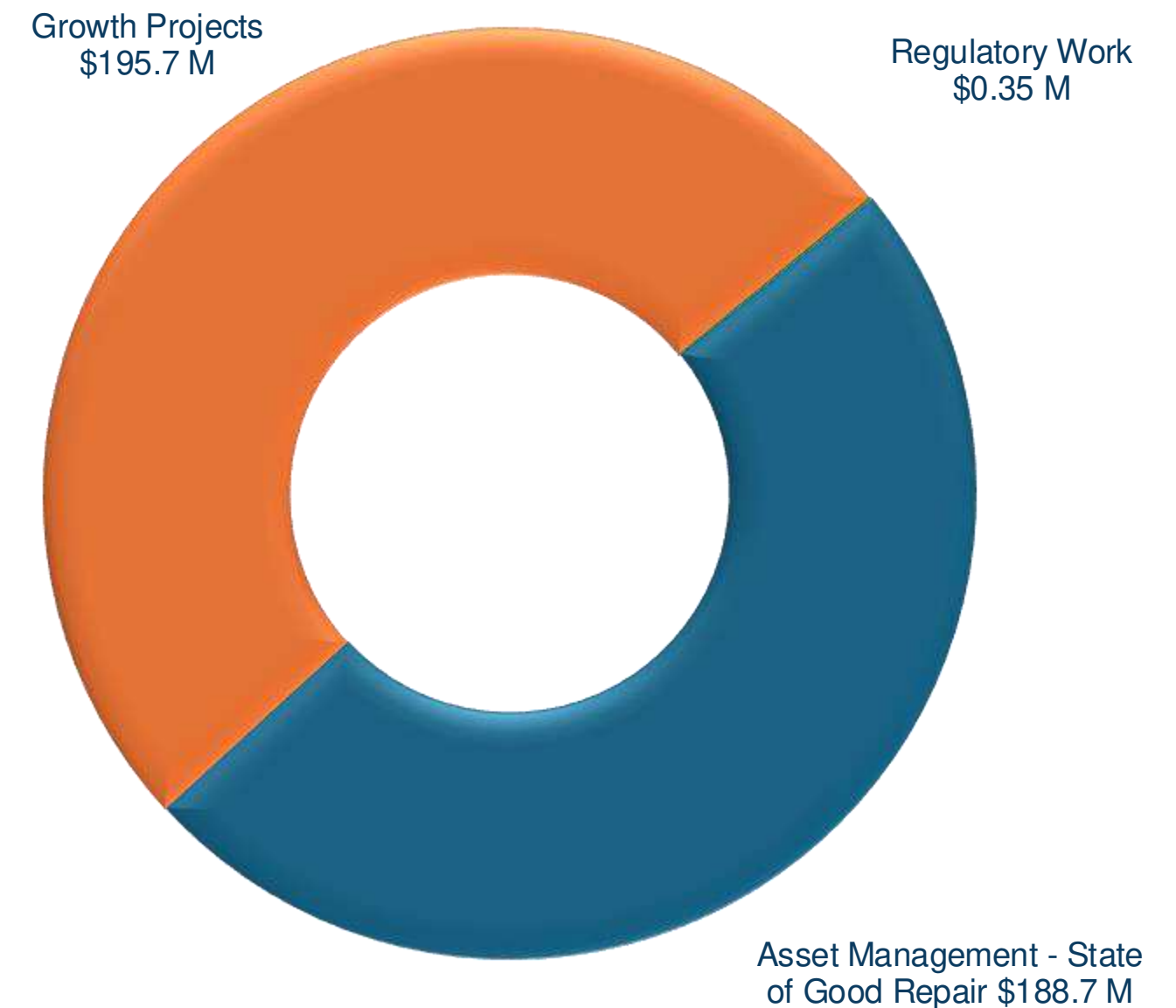
- Vertical Assets:**
- 11 Wastewater Treatment Plants
  - 51 Sanitary Sewage Pumping Stations
  - 2 Wastewater Storage Facilities



2 Receiving Lakes  
and 3 Receiving  
Rivers



## Water Supply and Sanitary Sewerage Construction of Municipal Services Capital Projects:



### Project Summary by Type:

- ♦ Class Environmental Assessments/Studies: \$7.5 M
- ♦ Detailed Design: \$39.5 M
- ♦ Construction: \$319.5 M
- ♦ Other Provisions: \$18.1 M

### Watermain and Sanitary Sewer Replacements Summary

- ♦ Projects: 9.4 km  
(Transportation/Local Municipalities/Bus Rapid Transit)
- ♦ Independent Projects: 16.9 km

**Total of Replacements: 26.3 km**



# Lenses for prioritization

## Considerations

- Growth
- Rate of growth
- Property tax increases
- Internal and External resources for project delivery

## Type of Project

- Compliance
- Asset Management
- Growth
- Combinations of the above
- Emergencies

## Priorities

- Compliance Directives/Orders
- Regulatory Requirements
- Projects that Support Major Transit Station Areas (includes GO extension to Bowmanville)
- Pre-Servicing of Employment Lands
- Residential Growth

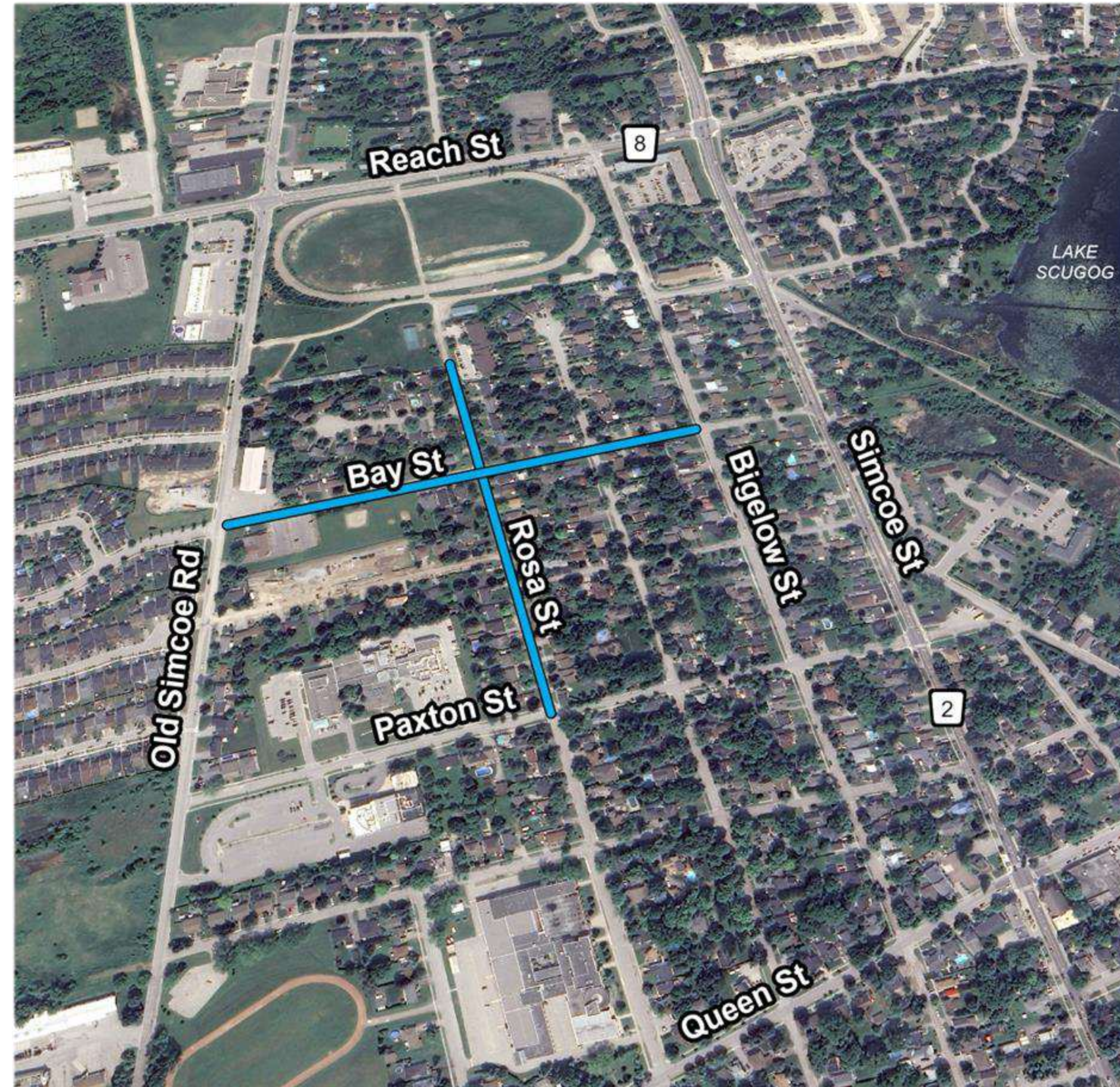


## Replacement of Watermain on Bay St and Rosa St, Port Perry Township of Scugog

- 1km of 150mm dia. watermain
- 61 services
- Temporary water
- Road restoration

Total Approved Project Budget: \$2.9 M

Anticipated Tender Q4





## Replacement of Watermain on Caleb St, Clark St, and Elgin St, Port Perry Township of Scugog

- 680m of 150mm dia. watermain
- 29 services
- Road restoration

**Total Approved Project Budget: \$2.3 M**

**Anticipated Tender Q4**





## Replacement of Watermain on Centre St, Franklin St and James St, Beaverton Township of Brock

- 600m of 150mm dia. watermain
- 44 services
- Temporary water
- Road restoration

**Total Approved Project Budget: \$1.7 M**

**Anticipated Tender Q2**



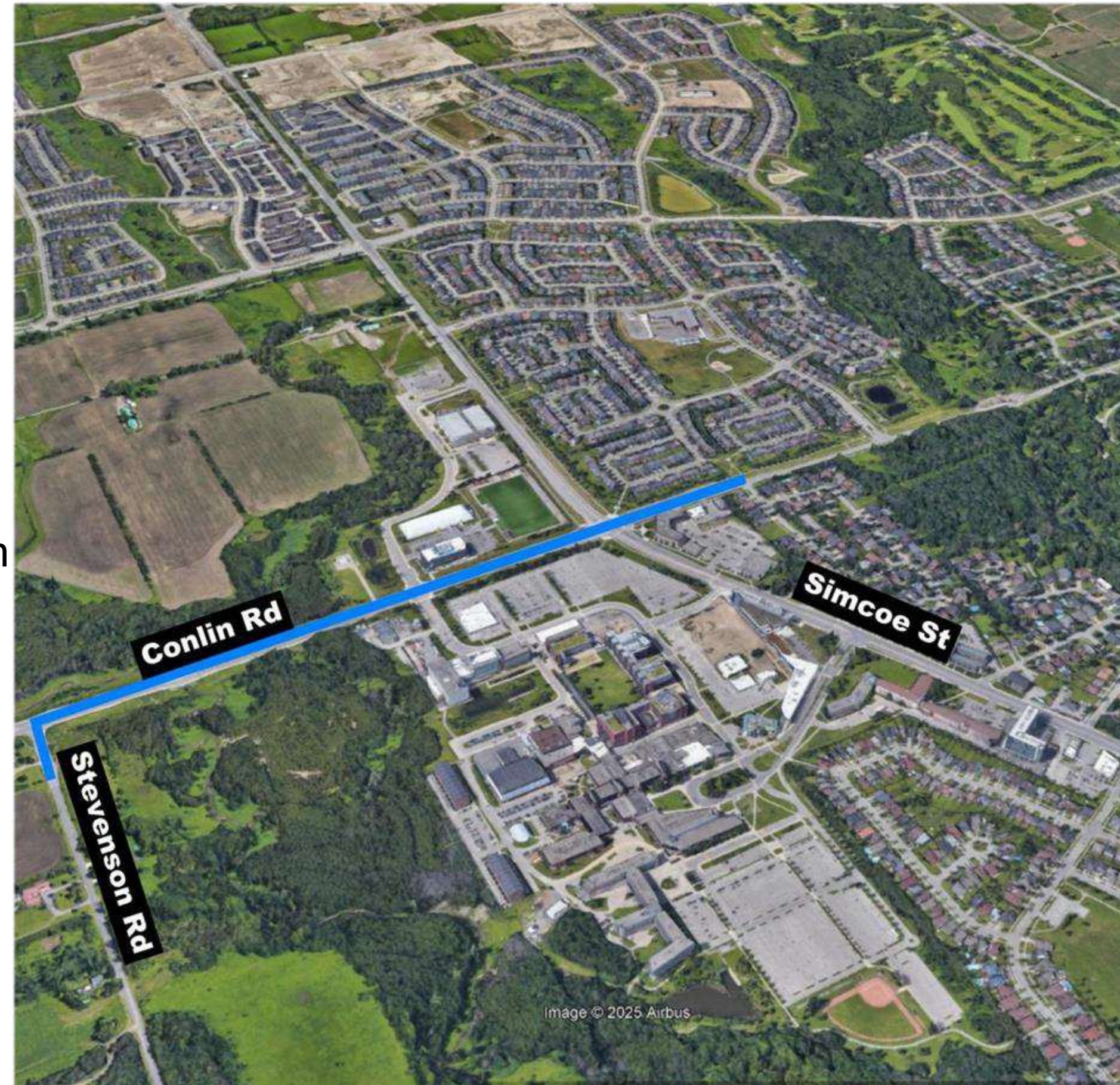


## Zone 3 Feedermain on Conlin Road - Stevenson Rd to Walreg Dr City of Oshawa

This segment includes:

- 600m of 900mm dia. CPP watermain
- 400m of microtunnelling below Oshawa Creek
- 60m of microtunnelling below Simcoe Street intersection (1500mm dia.)

**Total Approved Project Budget: \$18 M**  
**Anticipated Tender Q3**



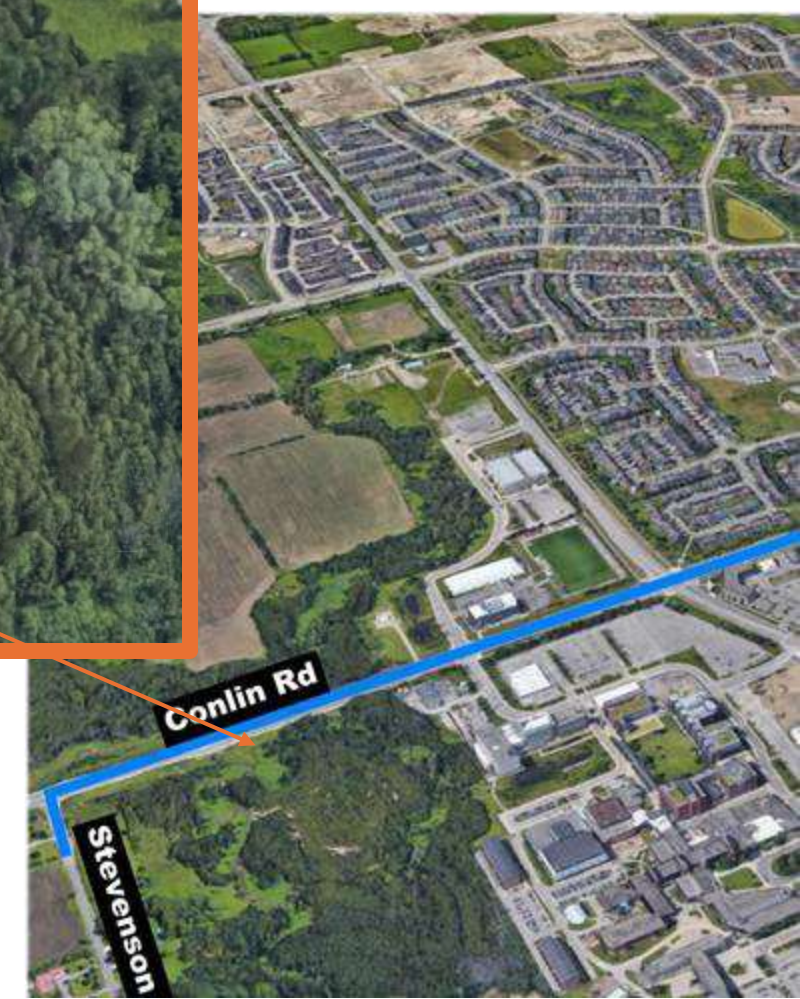


# Conlin Road Feedermain



Durham  
Budget

2025



Total Approved Project Budget: \$18 M  
Anticipated Tender Q3



# Taunton Road Feedermain

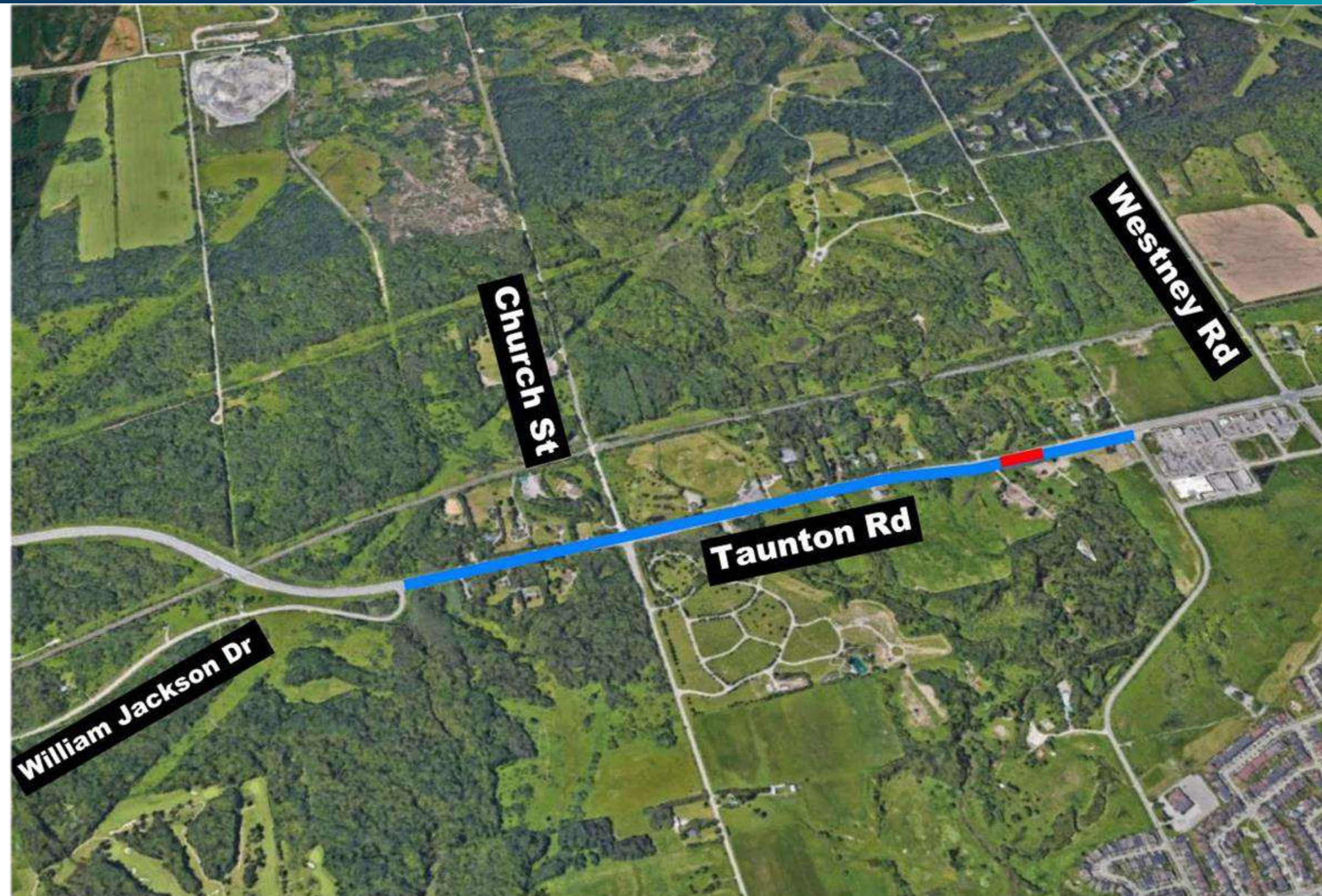


**Durham**  
**Budget**

**2025**

## Zone 2 Feedermain on Taunton Rd Earl Grey Ave to Ravenscroft Rd City of Pickering

- 2.7km of 400mm dia. watermain
- 120m of HDD below Duffins Creek
- 28 services
- Road restoration



**Total Approved Project Budget: \$8.8 M**  
**Anticipated Tender Q1**



## Zone 1 600mm Feedermain on Manning Ave Town of Whitby

- 520m of 600mm dia. CPP watermain
- Mostly boulevard some road restoration

**Total Approved Project Budget: \$2.3 M**

**Anticipated Tender Q4**





# CIPP Watermain Relining



**Durham**  
**Budget**

**2025**

## **Cured in place watermain relining and replacement of polybutylene water services, Blackstock Township of Scugog**

Phase 1: Donelda Court – Completed

Phase 2: Sunrise Drive, Trewin Court - Completed

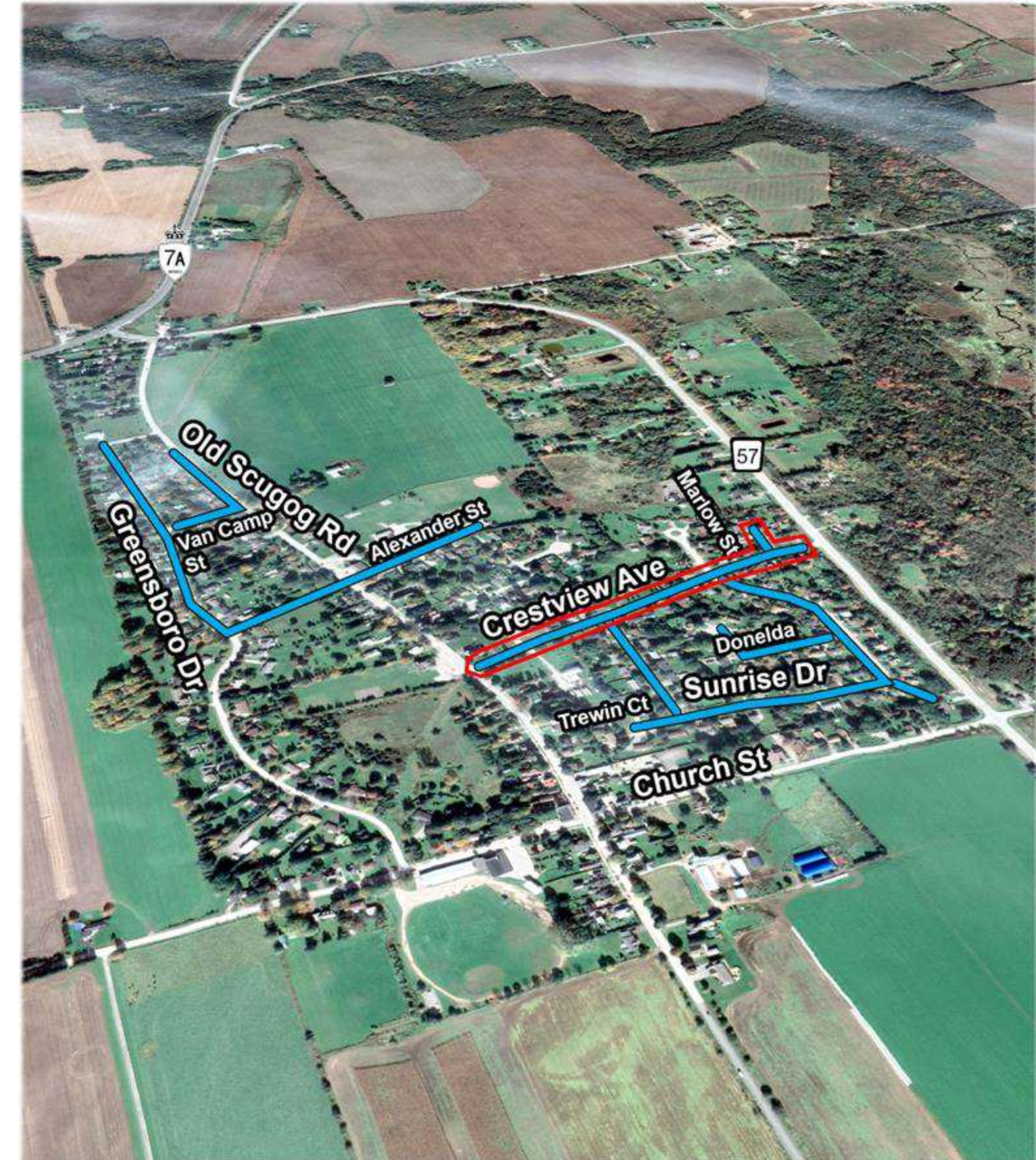
**Phase 3: Crestview Avenue and Marlow Street -  
Construction target: 2025**

Phase 4: Greensboro Drive, Alexander Street, Old Scugog Road and Van Camp Street - Construction target: 2026

**2025 Budget Provision: \$825,000**

**Total Estimated Project Cost: \$3 M**

**Anticipated Tender Q2**





# Courtice Trunk Sanitary Sewer

# CTSS Phase 4

## Trulls Rd from Bloor St to Adelaide Ave

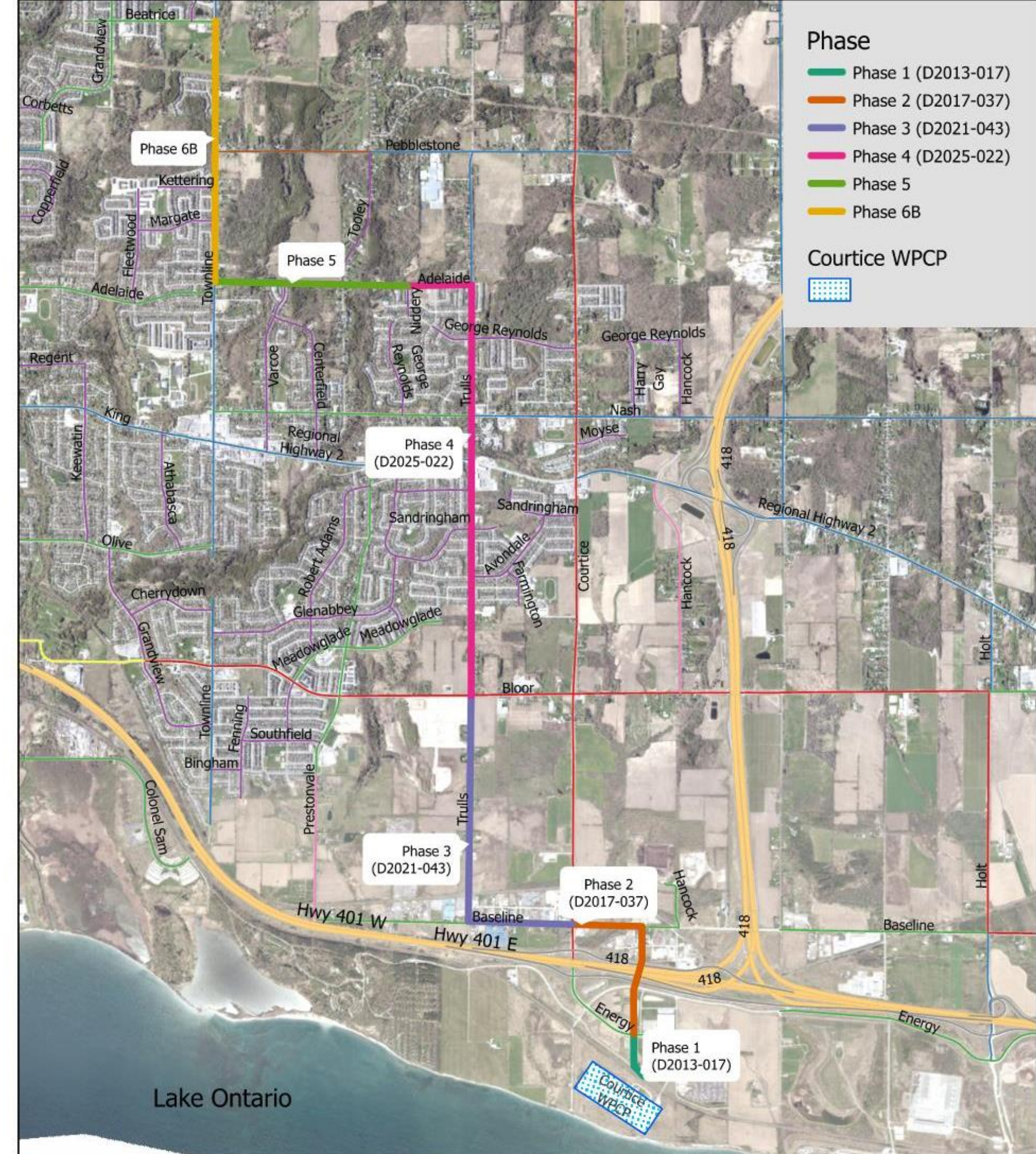
### Municipality of Clarington

This phase includes:

- 3.9km of microtunnelling (1800mm dia.)
- ~200m of 300mm dia. Watermain
- Associated road works

## Phase 4 Approved Project Budget: \$64 M

## Anticipated Tender Q3





# Southwood Trunk Sewer Twinning



**Durham**  
**Budget**

**2025**

## Twinning of Southwood Trunk Sanitary Sewer Town of Ajax

- 450m of 600mm dia. trunk sanitary sewer (replaces existing on existing alignment)
- Construction within an easement adjacent to public school, through public parkland

**Total Approved Project Budget: \$3.6 M**

**Anticipated Tender Q3**





# West Whitby Sub-Trunk Sanitary Sewer



**Durham**  
**Budget**

**2025**

## West Whitby Sub-Trunk Sanitary Sewer Des Neman Blvd to Halls Rd Town of Whitby

- ~810m of microtunnelling below Hwy 412
- 1800mm dia. tunnel liner

**Total Approved Project Budget: \$16 M**





# Trunk Sewer Slip Lining



**Durham**  
**Budget**

**2025**

## Corbett Creek Trunk Sanitary Sewer Rehabilitation Town of Whitby

- 134 m of GRP slip lining inside 1375mm dia. concrete sanitary sewer
- Sewer lining in live flow
- Working below Metrolinx/CNR rail bridge
- New MH installations

**Total Approved Project Budget: \$4 M**

**Anticipated Tender Q1**





# Hwy 2 Bus Rapid Transit



Durham  
Budget

2025

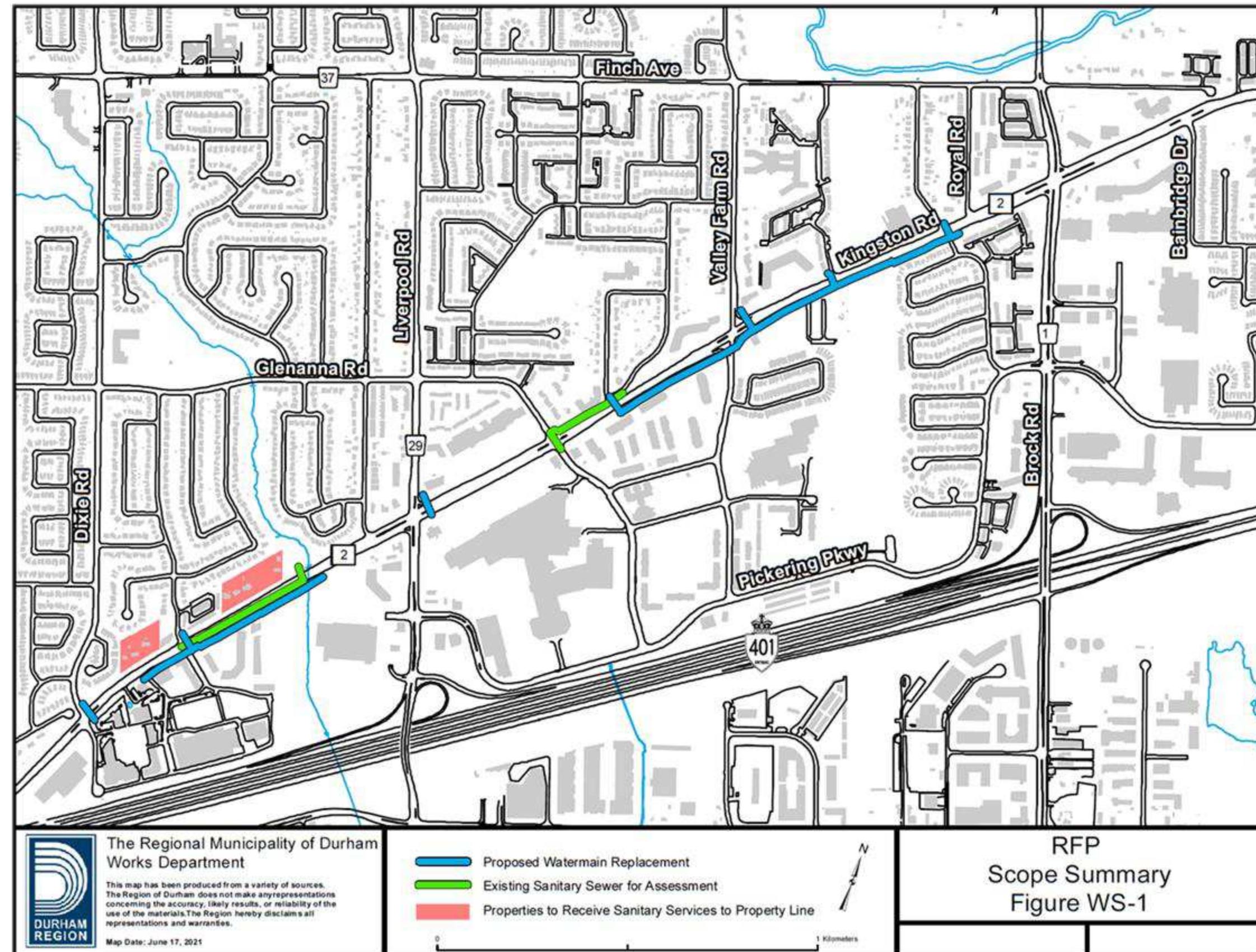
## Kingston Road (Reg Hwy 2) Bus Rapid Transit Dixie Rd to Bainbridge Dr City of Pickering

Road widening for median bus lanes  
Upgrades to utilities and active transportation

This segment includes:

- Road widening for dedicated median bus lanes
- Over 2km of 300mm dia. watermain
- 60m of HDD below creek crossing

Anticipated Tender Q3





# Hwy 2 Bus Rapid Transit



Durham  
Budget

2025

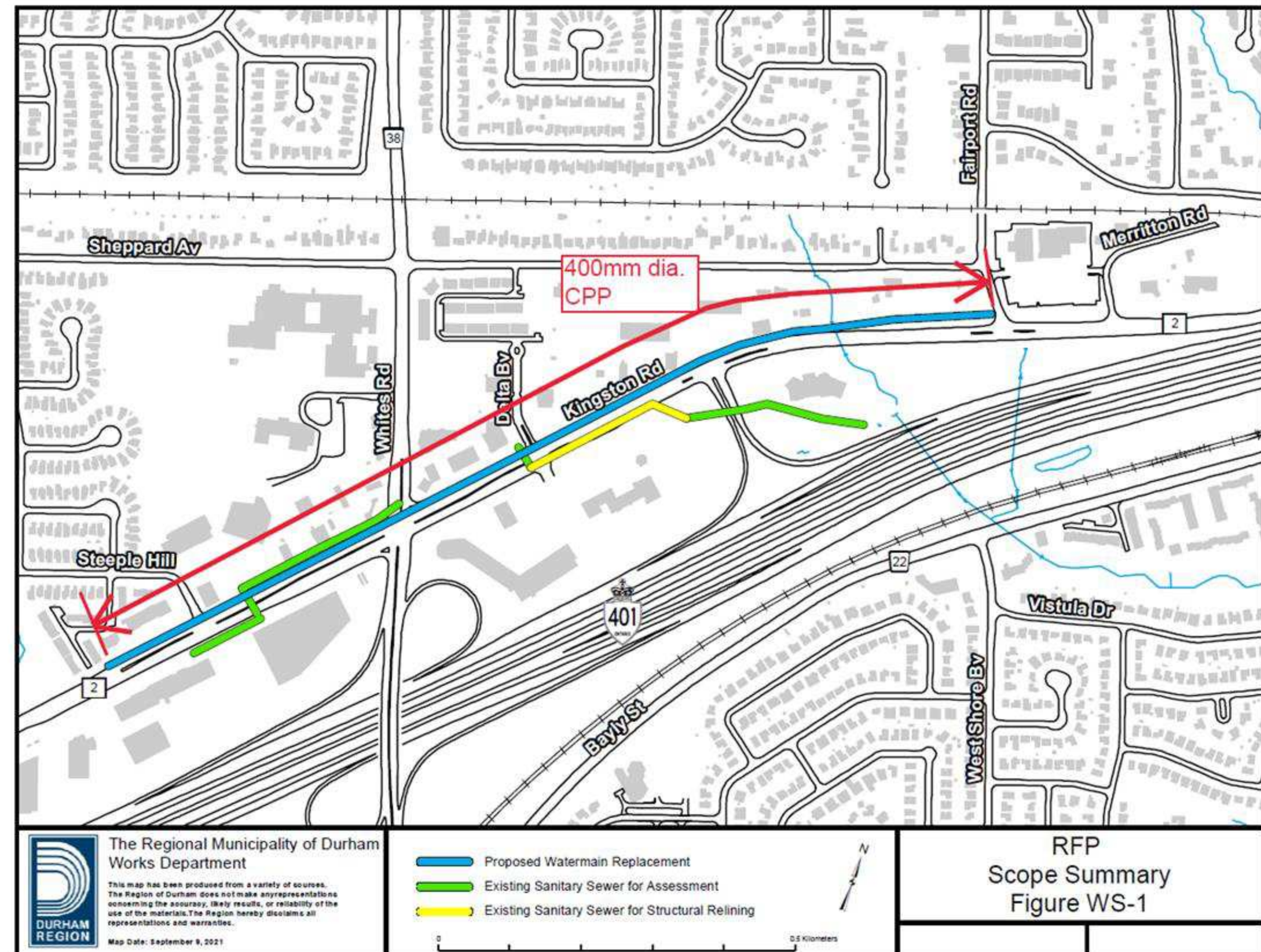
## Kingston Road (Reg Hwy 2) Bus Rapid Transit Steeple Hill to Merritton Rd City of Pickering

Road widening for median bus lanes  
Upgrades to utilities and active transportation

This segment includes:

- 1.4km of 400mm dia. CPP watermain
- Road widening for dedicated median bus lanes
- Includes 900mm trunk sanitary sewer by microtunnel, ~750m total length, from east of Whites Road to west of Whites Road

Anticipated Tender Q4





# Bowmanville Ave Widening



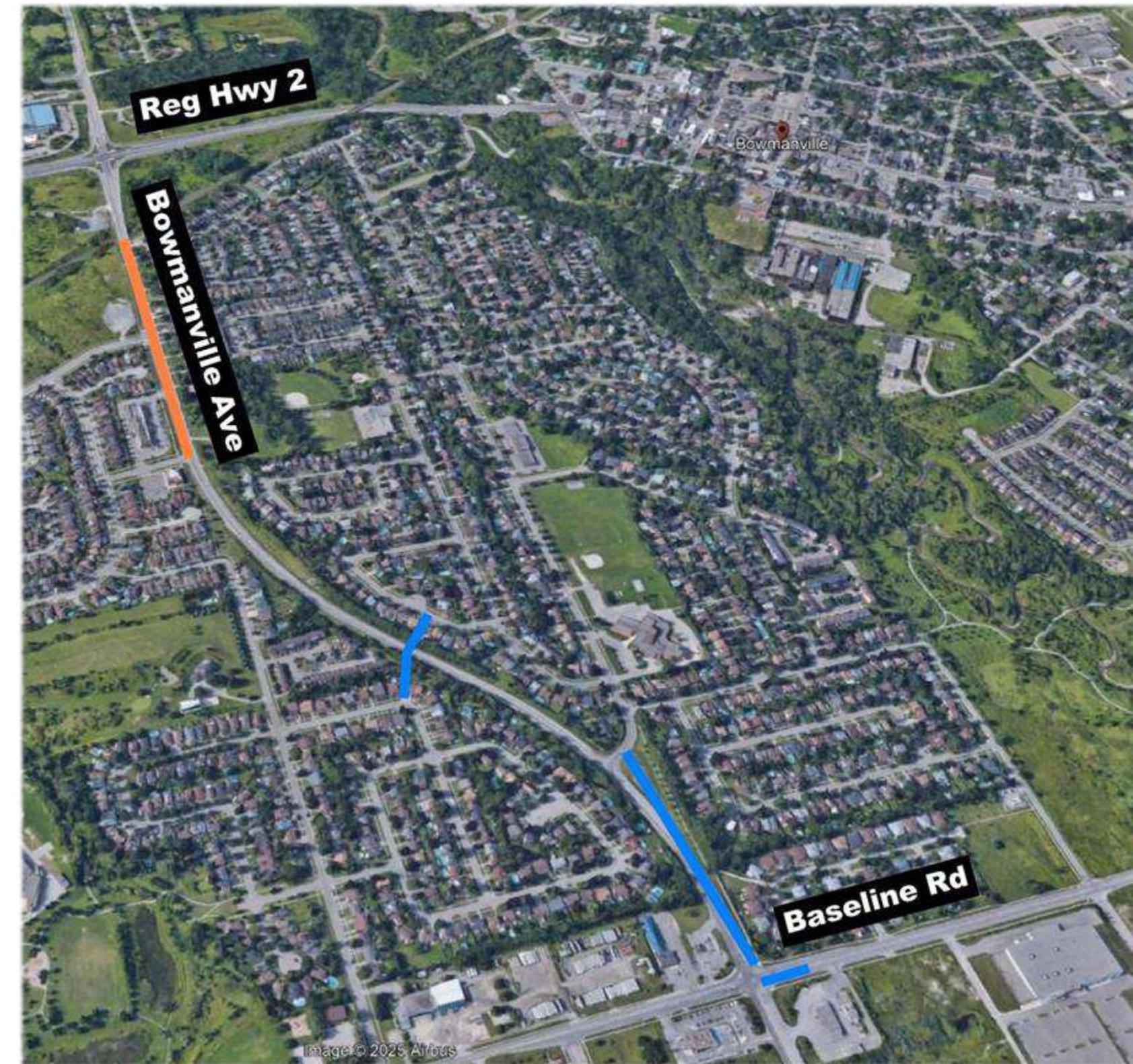
**Durham**  
**Budget**

**2025**

## **Bowmanville Ave (Reg Rd 57) Widening Baseline Rd to Reg. Hwy 2 Municipality of Clarington**

- Road widening along Bowmanville Ave
- 220m of 300mm dia. watermain from Baseline Rd to Waverly Rd
- New pedestrian tunnel with 50m of 300mm dia. watermain
- 500m of 200mm dia. Sanitary sewer south of CNR bridge
- CNR bridge widening

**Total Approved Project Budget: \$50 M**  
**Anticipated Tender Q2**





# Liberty St Reconstruction and Roundabout



**Durham**  
**Budget**

**2025**

## Liberty St Reconstruction and Roundabout Longworth Ave to Concession Rd 3 Municipality of Clarington

- New roundabout at the Liberty St and Concession Rd 3 intersection
- New traffic signals at the Liberty St and Bons Ave/Freeland Ave intersection
- Road rehabilitation, urbanization with curb and gutter, storm sewers, street lighting, cycling facilities along Liberty St
- ~730m of 900mm dia. CPP watermain along Liberty St
- ~590m of 400mm dia. watermain along Concession Rd 3 and Liberty St

**Total Approved Project Budget: \$20 M**

**Anticipated Tender Q2**







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## 2025 Municipal Project Pipelines





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SUMMIT**

**REGION UPDATE**

# **YORK REGION UPDATE**

**PINA ACCARDI**

Public Works

Director, Capital Delivery Water and Wastewater





Yonge Street, Town of Newmarket

# REGIONAL MUNICIPALITY OF YORK WATER AND WASTEWATER CAPITAL PLAN

Presented to  
GTSWCA Municipal Summit

Presented by  
Pina Accardi

Presented on  
February 11, 2025





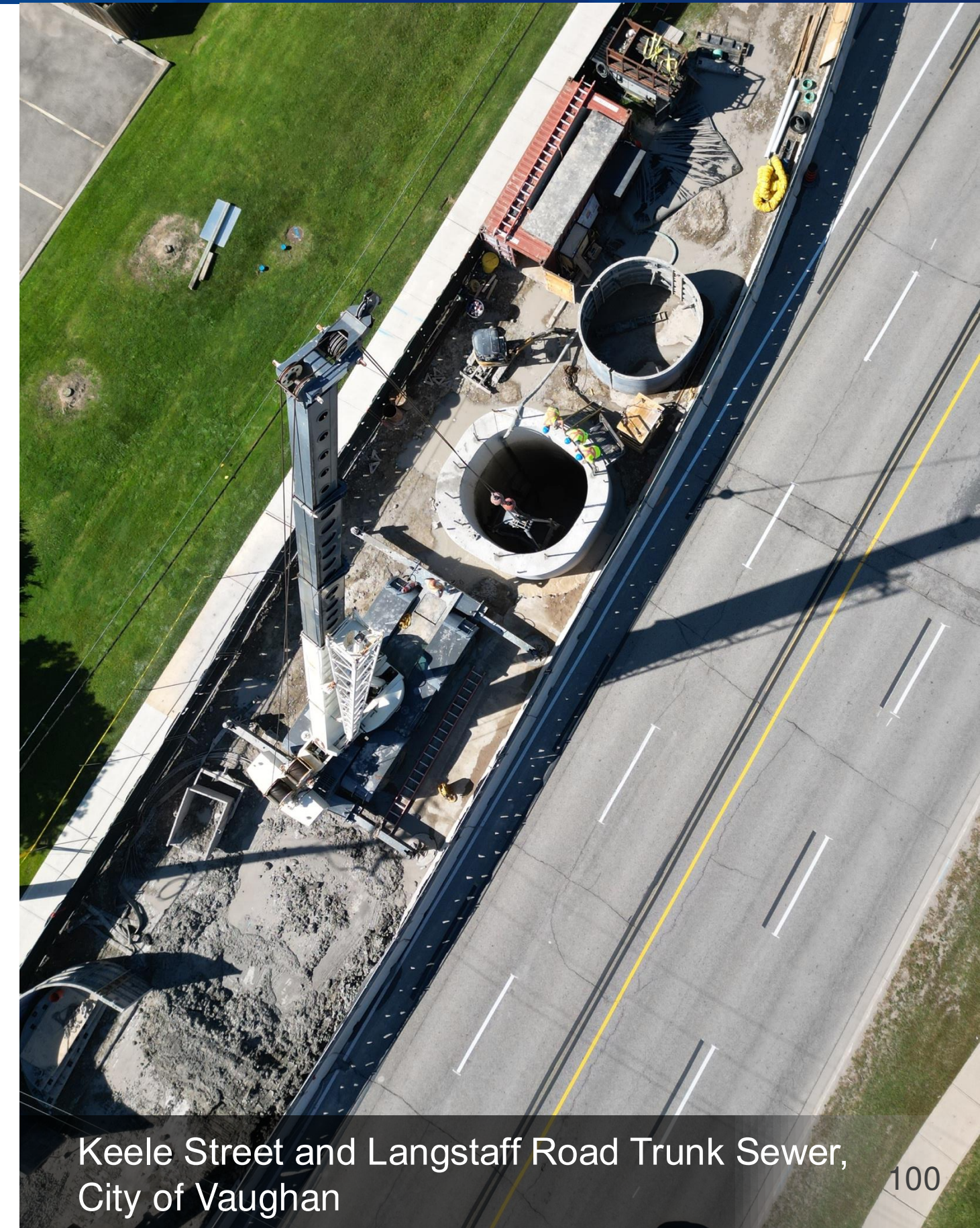
An aerial photograph showing a large, flat, brown construction site in the middle ground. In the background, a city skyline with several tall buildings is visible under a clear blue sky. The foreground is filled with dense, green trees and foliage. The text "Working in York Region to Serve our Thriving Communities" is overlaid in white, bold, sans-serif font across the center of the image.

**Working in York Region to  
Serve our Thriving Communities**



# Today's Presentation

- 2025 Capital Plan Overview
  - Demonstrating Council's investment in infrastructure growth and asset management
- Upcoming Project Highlights
  - Showcasing upcoming water and wastewater linear and facility projects
- Collaborative Partnerships
  - Exploring opportunities for early contractor engagement



Keele Street and Langstaff Road Trunk Sewer,  
City of Vaughan





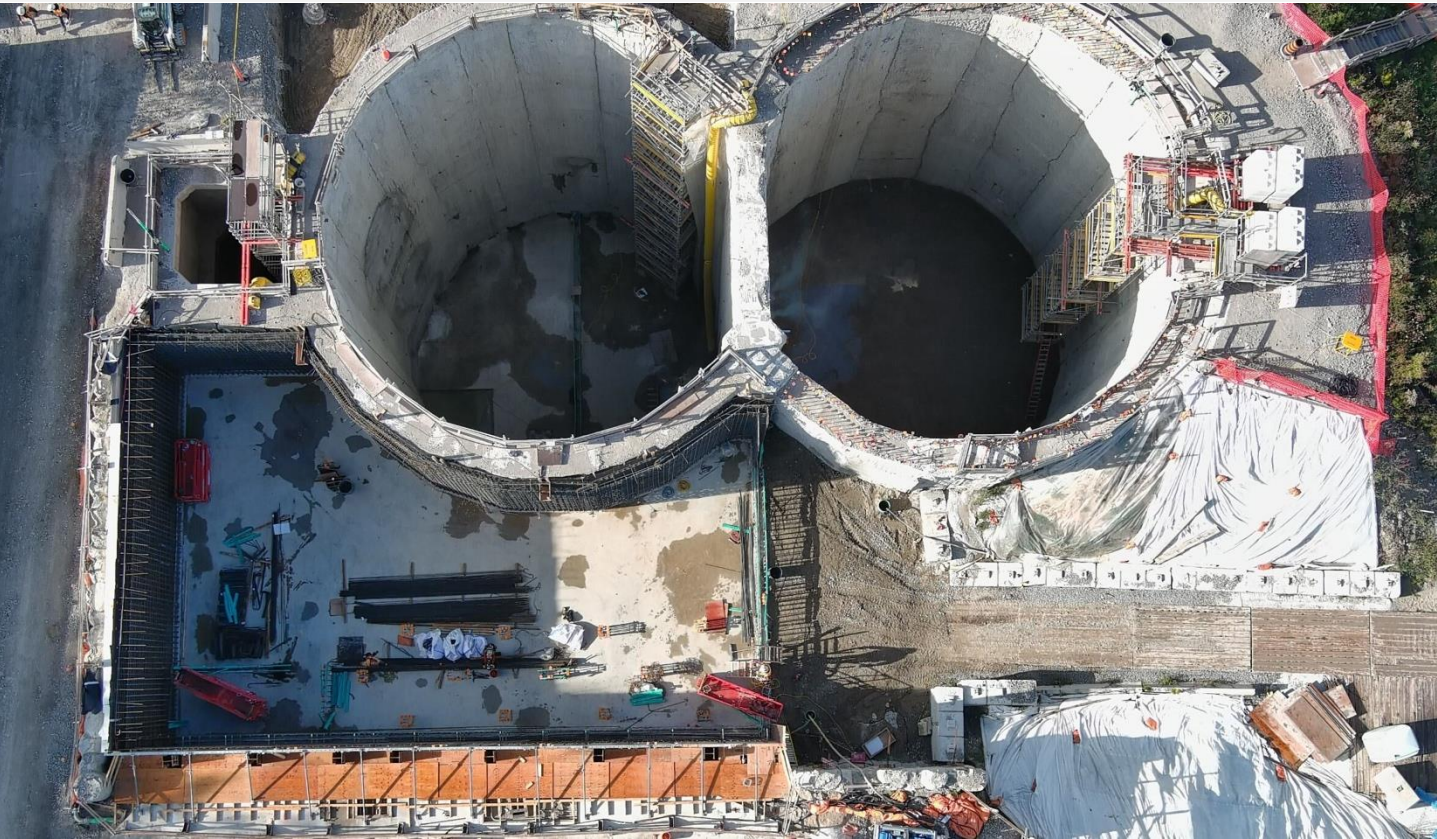
# 2025 CAPITAL PLAN OVERVIEW

Springwater Drive Microtunnel Shaft, Town of Georgina



# 2025 Public Works Water and Wastewater Capital Budget at a Glance

Capital Budget	(\$)
Public Works 10-Year Capital Plan	9.139 billion
Wastewater	3.450 billion
Water	1.187 billion
2025 Water and Wastewater Annual Budget	405.5 million



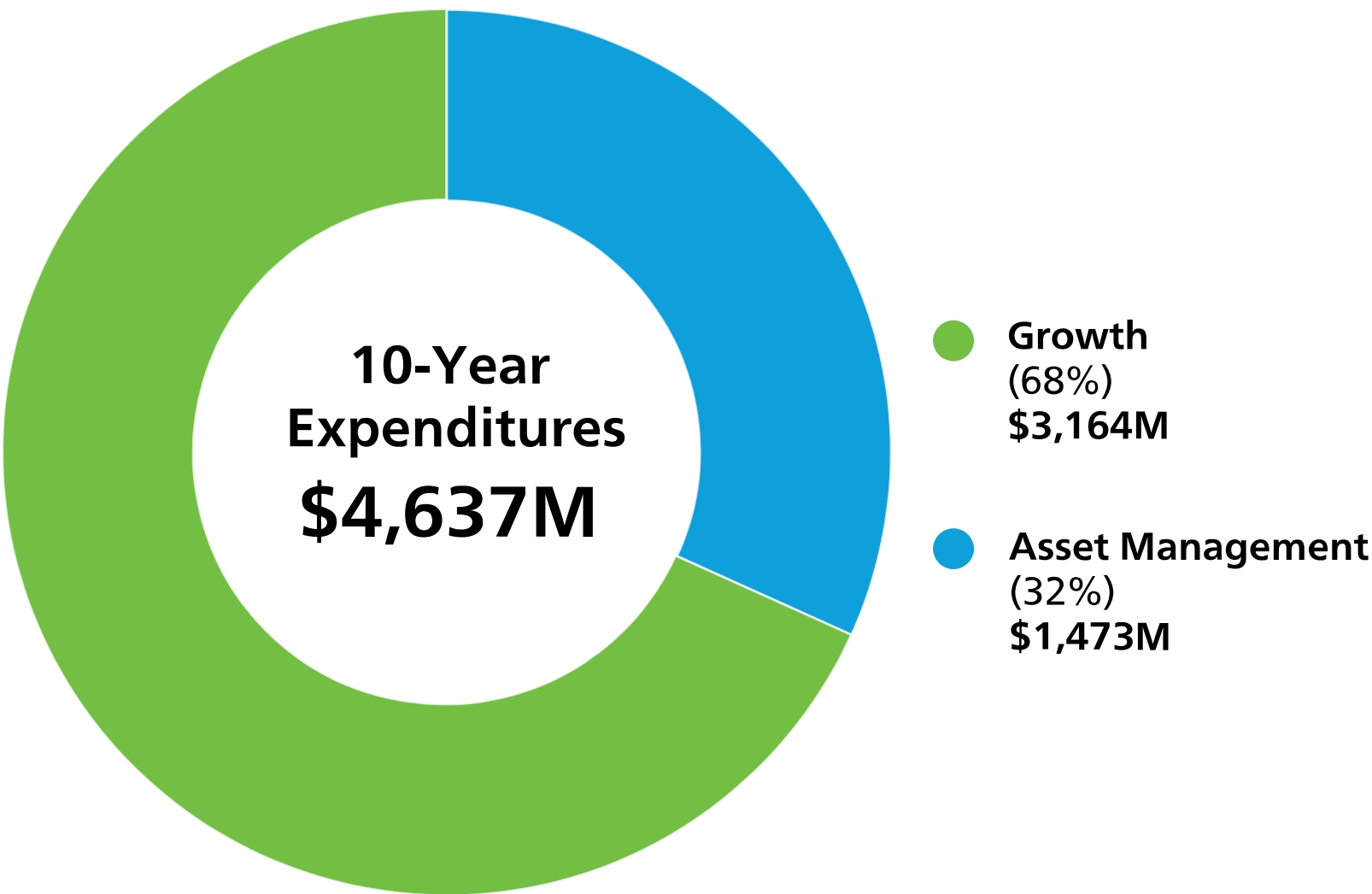
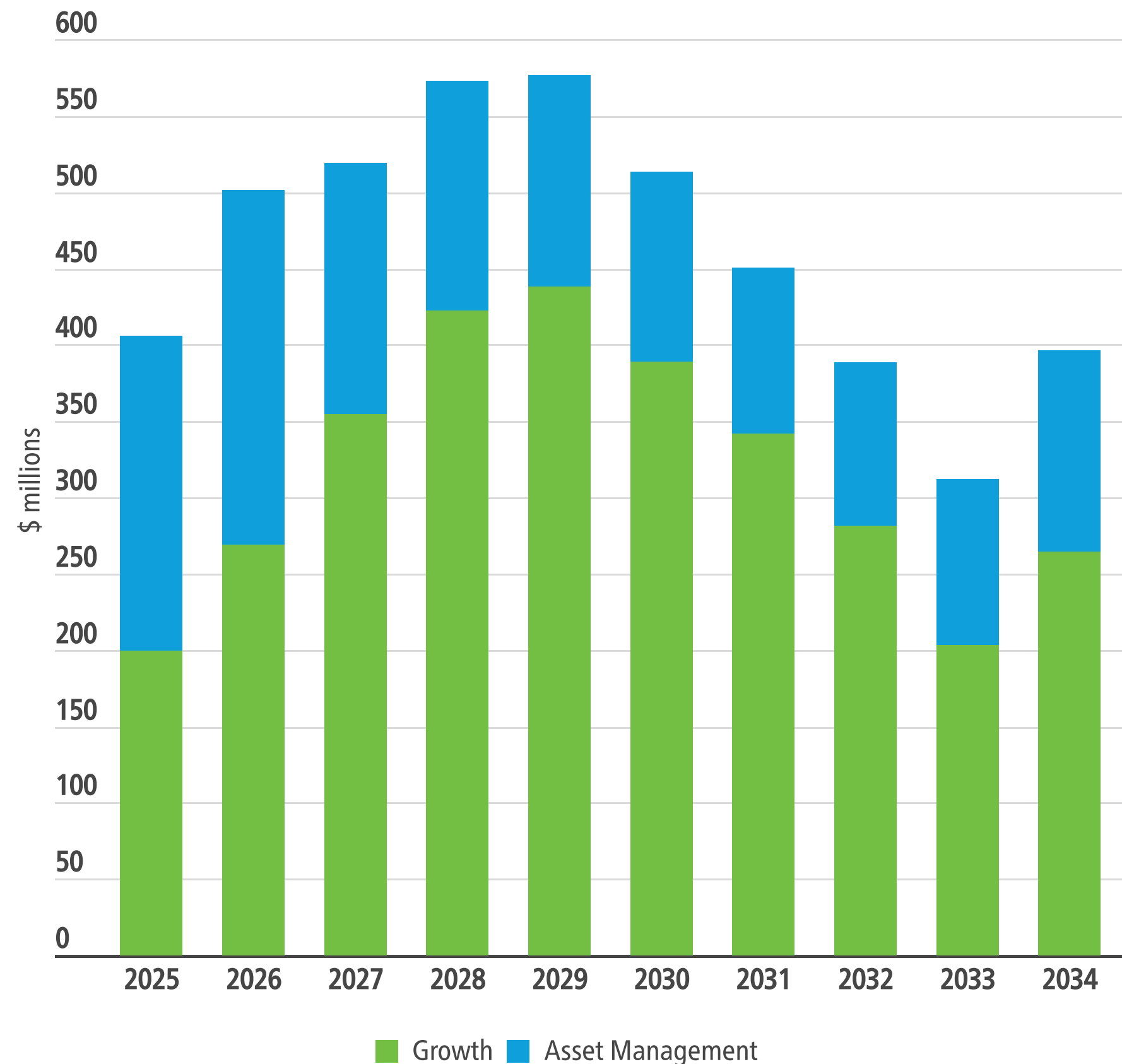
Humber Sewage Pumping Station, City of Vaughan



West Vaughan Tunnel Phase 1, City of Vaughan



# \$3.2 billion in Growth and \$1.5 billion in Asset Management



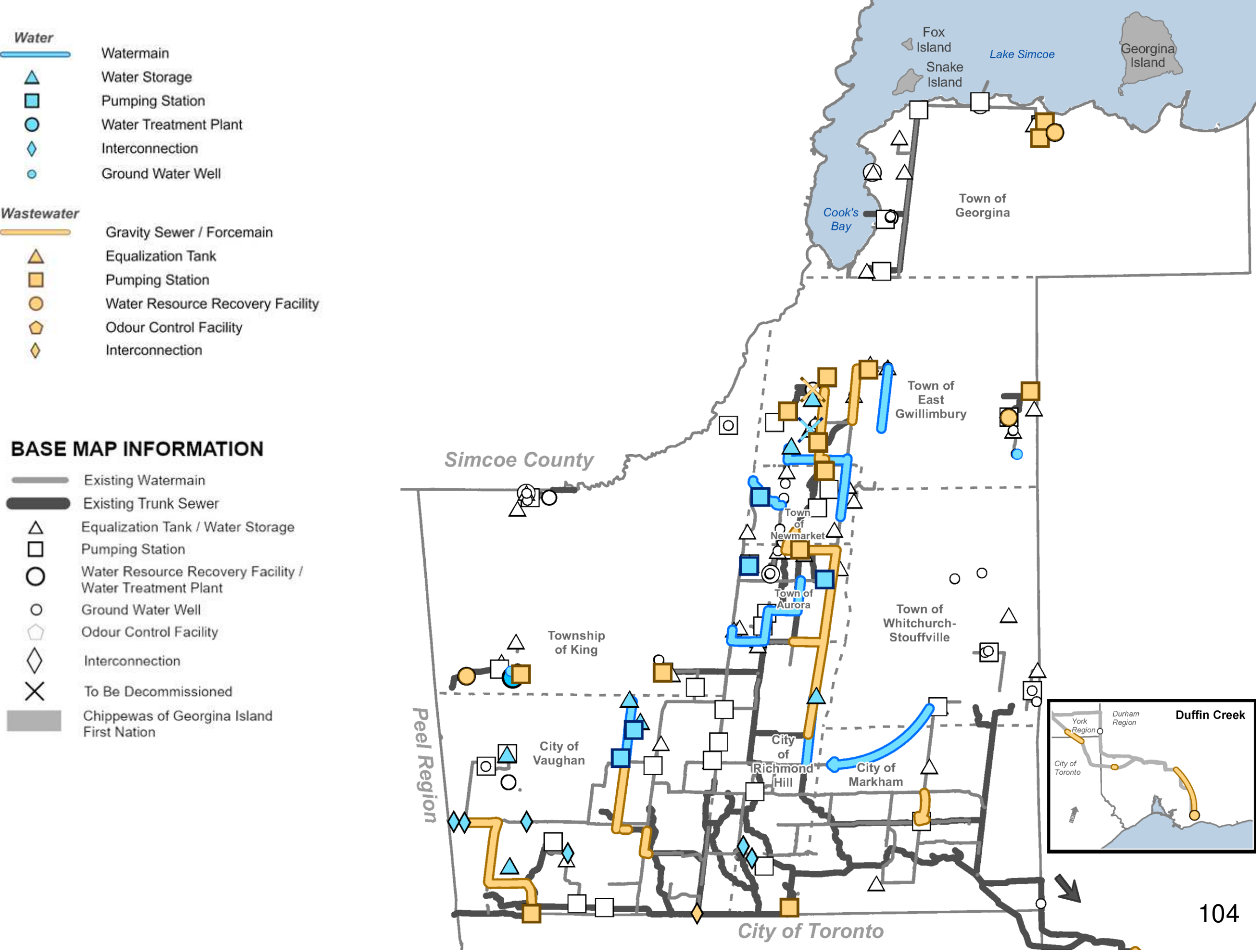


# Water and Wastewater Growth Deliverables



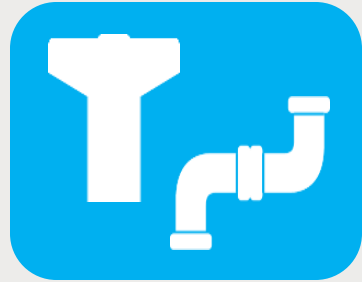
## Growth

- 55 km of sewer
- 37 km of watermain
- 3 new sewage pumping stations
- 3 new water pumping stations
- 5 new water storage facilities
- 10 wastewater facility expansions
- 4 water facility expansions





# Water and Wastewater Asset Management Deliverables



## Asset Management

**15 km** of watermain

**20 km** of sewer

**11 km** of forcemain

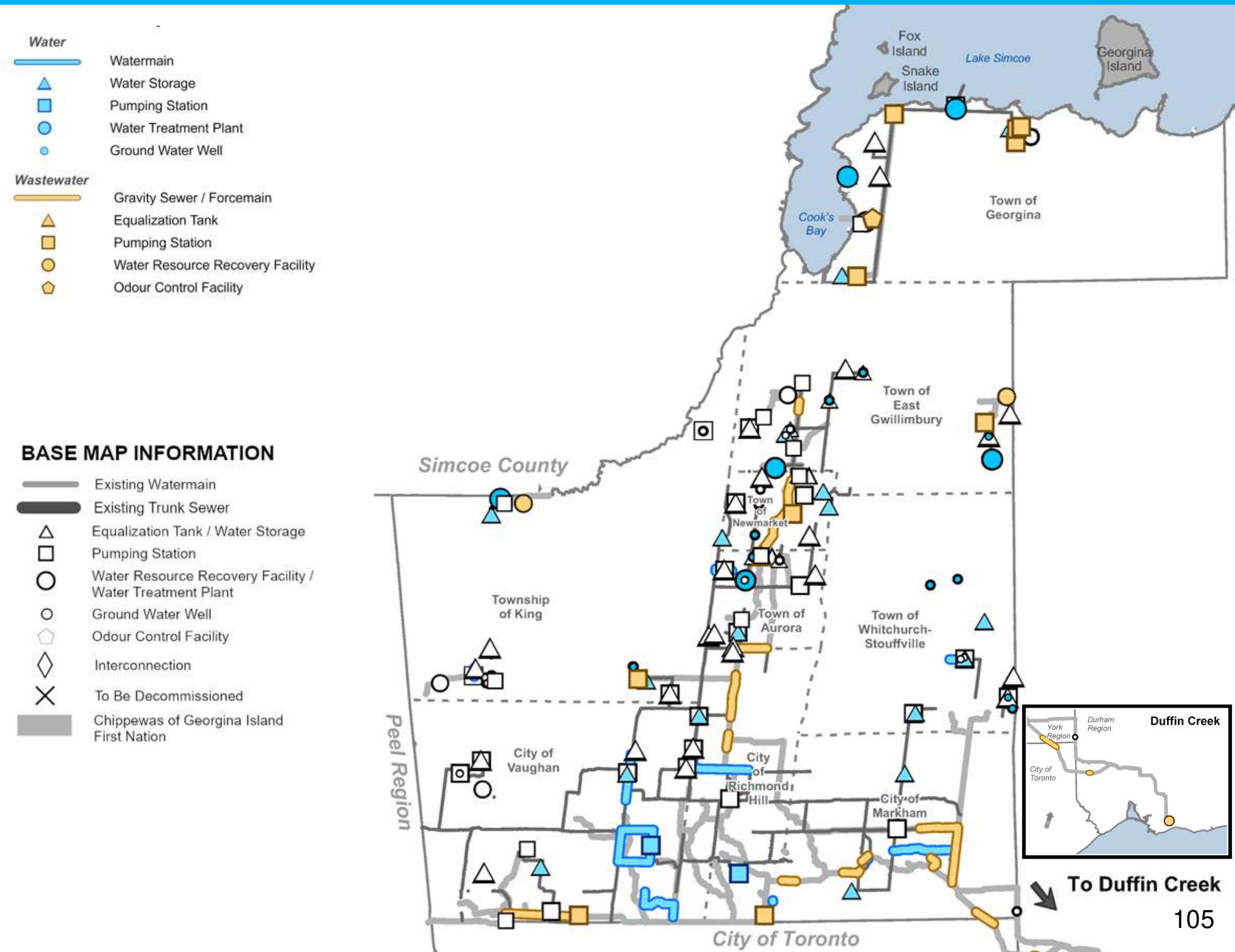
**100+** chambers to be rehabilitated

**9** surface water facility upgrades

**9** water pumping stations upgrades

**17** groundwater treatment facility upgrades

**24** water storage facility upgrades





# Key Water and Wastewater Programs in the 10-Year Capital Plan



## Wastewater **\$3.5B**

North YDSS (York Durham Sewage System) Expansion  
Phases 1 & 2 **\$1,070.1M**

York Durham Sewage System Rehabilitation Program  
**\$320.7M**

Primary Trunk Twinning **\$227.3 M**

North Markham Wastewater Servicing - **\$111.4M**

Northeast Vaughan Wastewater Servicing - **\$95.9M**



## Water **\$1.2B**

Ground Water Treatment **\$178.9M**

Transmission Main **\$112.0M**

Bloomington Road Bayview Avenue Watermain **\$101.2M**

North Markham Water Servicing **\$93.3M**

Northeast Vaughan Water Servicing **\$31.0M**





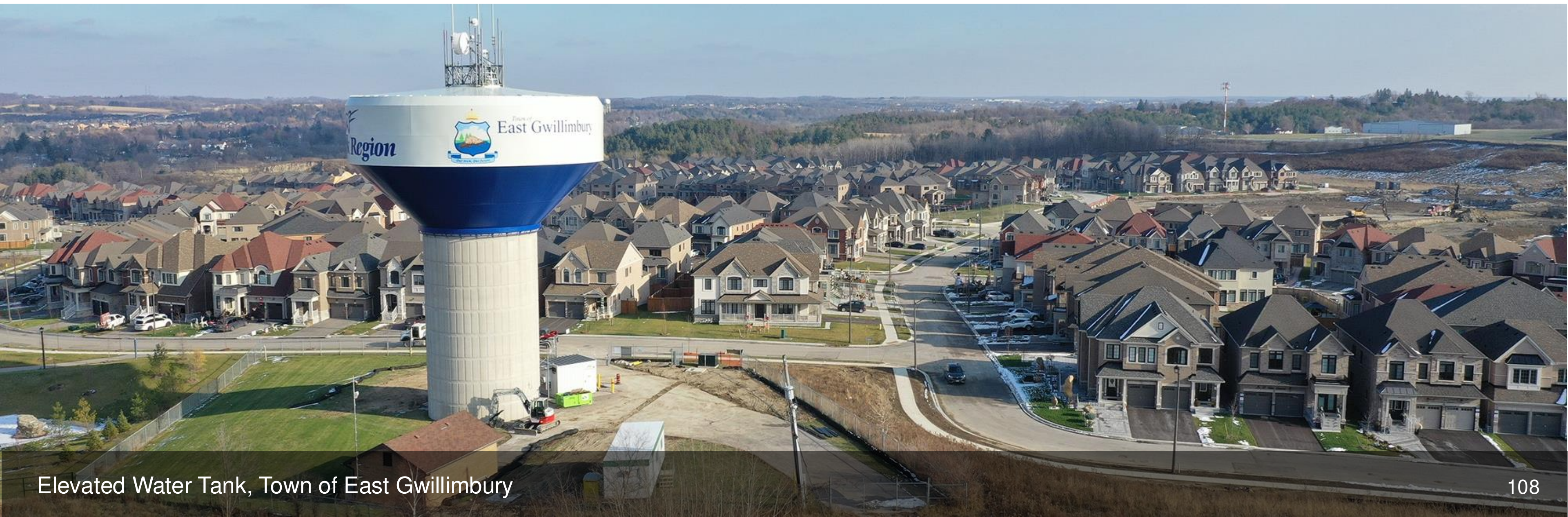
# UPCOMING PROJECTS

Jane St. Water Tower, City of Vaughan



# Supporting Growth and Housing

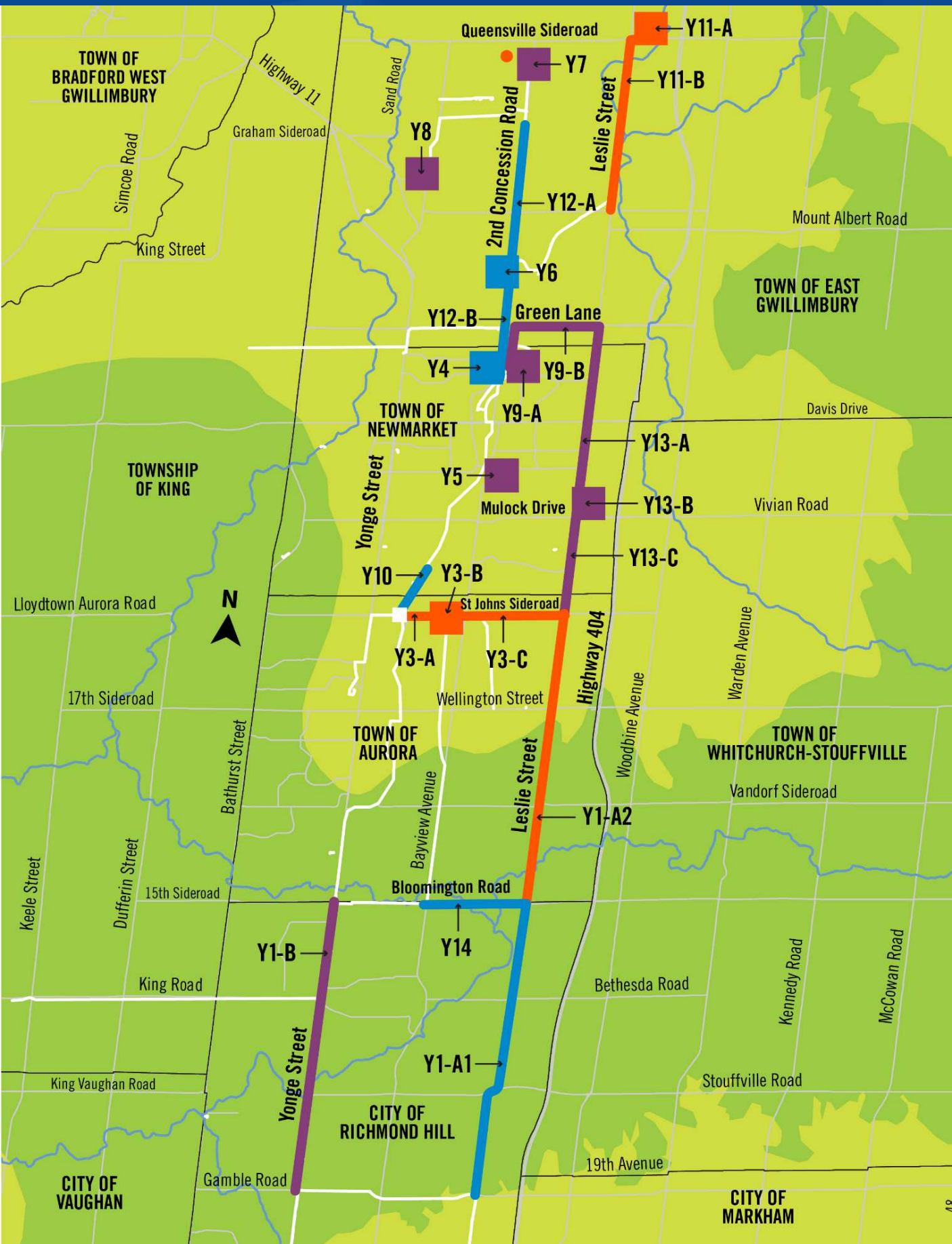
- April 2024, received Provincial Approval for York Region Sewage Works project
- 70,000 additional housing units will be serviced by water and wastewater over the next 10 years (on top of the existing 80,000 units)



Elevated Water Tank, Town of East Gwillimbury



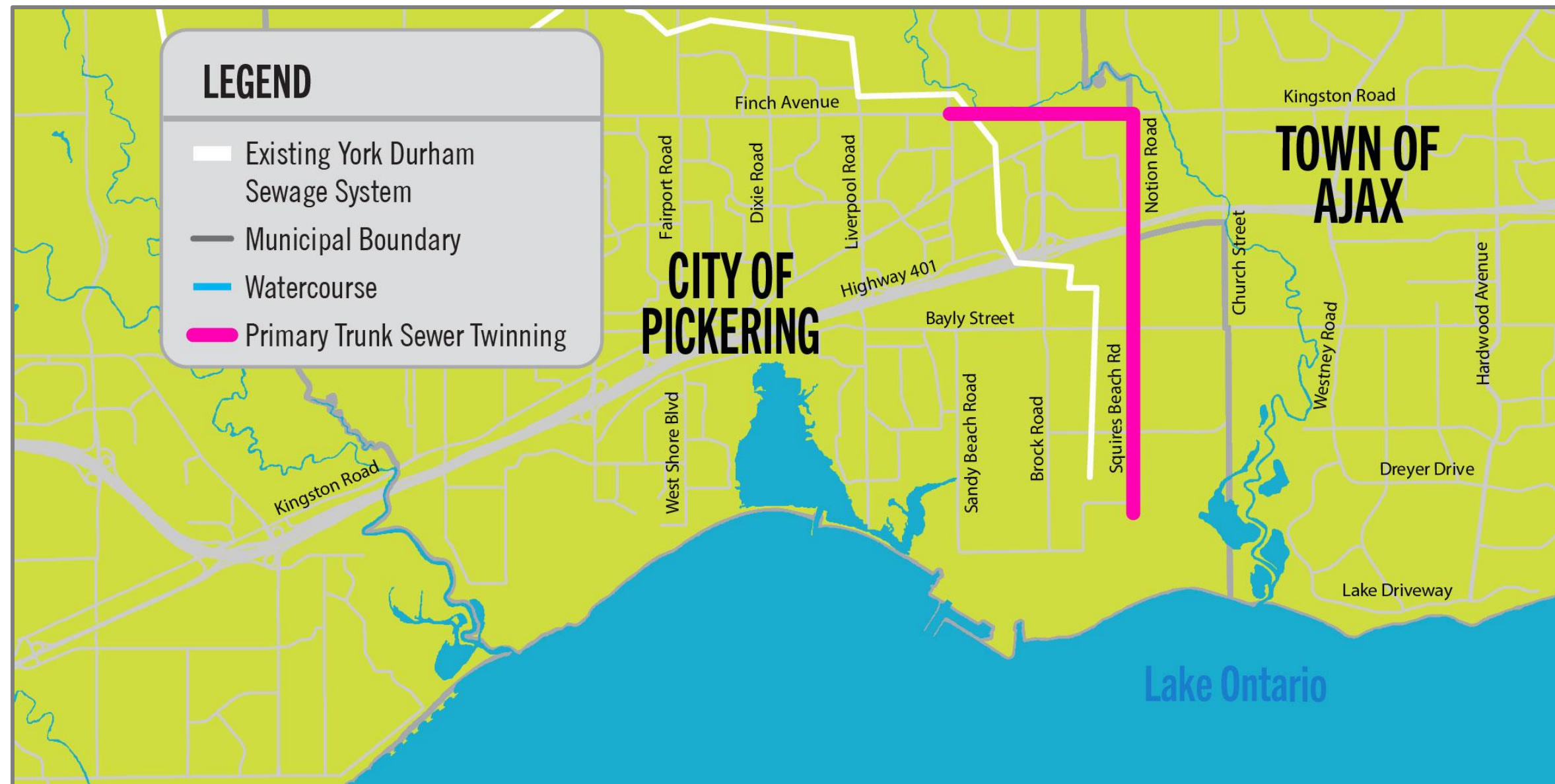
# North YDSS Expansion Phase 1



- Seven project components shown in blue
  - Y1-A1 Leslie Street Trunk Sewer Phase 1
  - Y14 Bloomington Interceptor Sewer
  - Y10 Aurora SPS Gravity Sewer Twinning
  - Y12A 2<sup>nd</sup> Concession North Gravity Sewer
  - Y12B 2<sup>nd</sup> Concession South Gravity Sewer
  - Y4 Newmarket SPS Upgrades
  - Y6 2<sup>nd</sup> Concession SPS Upgrades



# YDSS Primary System Expansion



- Existing Primary Trunk is a 5 km segment of the YDSS that conveys wastewater flows from both York and Durham Regions to Duffin Creek Plant
- Work involves twinning Primary Trunk Sewer



# Linear Infrastructure – 2025 Planned Tenders Release

Project	Scope (approximate)	Release Prequalification / Tender
Georgina WTP Mussel Monitoring and Control	0.2 km – 600 mm (Twin Watermain) 0.3 km – 600 mm (Outfall) 1.6 km – 250 mm (Chemical Pipe)	Prequal Awarded / Q1 2025
Humber to Black Creek Pumping Station Twin Forcemain Rehabilitation	4.8 km – 600 mm (each Twin Forcemain)	Prequal Awarded / Q2 2025
2nd Concession Sewer Rehabilitation and Holland Landing West Watermain Valve Chamber Rehabilitation	2.4 km – 600 mm 0.6 km – 450 mm	Prequal Awarded / Q2 2025
Green Lane Watermain Construction	1.7 km – 500 mm	Q1 2025 / Q2 2025
Markham Bullock Church Hwy 7 Ductile Iron Watermain Replacement	2.9 km – 400 / 450 mm	Q1 2025 / Q2 2025
York Peel Feedermain Pressure Reducing Valves (PRV) Upgrades	3 new PRVs with SCADA, addition of SCADA at a 4 <sup>th</sup> PRV	Q1 2025 / Q2 2025



# Linear Infrastructure – 2025 Planned Tenders Release

Project	Scope (approximate)	Prequalification / Tender
Kennedy Road Watermain Rehabilitation	0.1 km – 1500 mm	Q3 2025 Tender
Northeast Vaughan Wastewater Servicing Phase 2 Construction	5.5 km – 1200 mm	Q2 2025 / Q4 2025
Northeast Vaughan Water Servicing Phase 2 Watermain Construction	1.5 km – 600mm	Q3 2025 / Q4 2025



# Facilities – 2025 Planned Tenders Release

Project	Tender Release
York Region WRRFs Davit's Arm Construction	Q1
Newmarket Glenway Facility Upgrades Construction	Q1
Keswick and Kleinburg Water Resource Recovery Facilities Bar Screen Retrofit Design & Construction	Q1
Nobleton Wells 5 & 6 Monitoring Well Relocation Construction	Q1
Markham Household Hazardous Waste Depot Upgrades Construction	Q1
Black Creek Sewage Pumping Station Odour Control Unit Rehabilitation and Fall Protection and South River Road Sewage Pumping Station Upgrades	Q2
Nobleton Sewage Pumping Station Upgrades – Construction	Q2
South Maple Reservoir Upgrade Phase 2 Construction	Q2
Duffin WPCP Biosolids Treatment Replacement Project Contract 2	Q2

Project	Tender Release
Construction of the Georgina Water Treatment Plant Instrumentation, Controls, and Electrical Upgrades	Q2
Nobleton Wells 2 & 5 Upgrades Construction	Q2
Nobleton Water Resource Recovery Facility Upgrades – Construction	Q2
King City Fisher and Markham Milliken Elevated Tank Recoating and Upgrades	Q3
Georgina Water Treatment Plant Instrumentation, Controls, and Electrical Upgrades	Q3
York Region Waste Management Centre Fire Protection System Upgrades Construction	Q3
Bogart Creek Sanitary Sewage Pumping Station Upgrades Construction	Q3
York Central Water Facility Upgrades Construction	Q4
Schomberg Water Resource Recovery Facility Construction	Q4





# COLLABORATIVE PARTNERSHIPS

Shipwill Pumping Station, City of Vaughan



# Early Contractor Engagement

- Work closely with qualified contractor in the design stage
- Capitalize on knowledge and recognition of overall project risk
- Avoid inflated costs at tendering stage due to uncertainty and unbalanced risk
- Advance early construction works, including long-lead time equipment, thereby accelerating schedule





# Linking you to Online Resources



## BUDGETS

Every year, York Regional Council approves the capital and operating budgets for the next year. These budgets outline how York Region will use its finances to deliver essential services to residents.

[Read More >](#)



## WATER AND WASTEWATER MASTER PLAN

The Water and Wastewater Master Plan is York Region's strategy for providing water and wastewater services to residents and businesses to the year 2051.

[Read More >](#)



## CORPORATE ASSET MANAGEMENT

York Region provides services to residents and businesses using assets such as roads, buses, watermain, sewers, buildings and living assets like street trees.

[Read More >](#)



## WATER AND WASTEWATER CONSTRUCTION PROJECTS

Learn more about on-going water and wastewater construction projects happening in your community and 10 year construction plans.

[Read More >](#)



## CONSTRUCTION DESIGN GUIDELINES AND STANDARDS

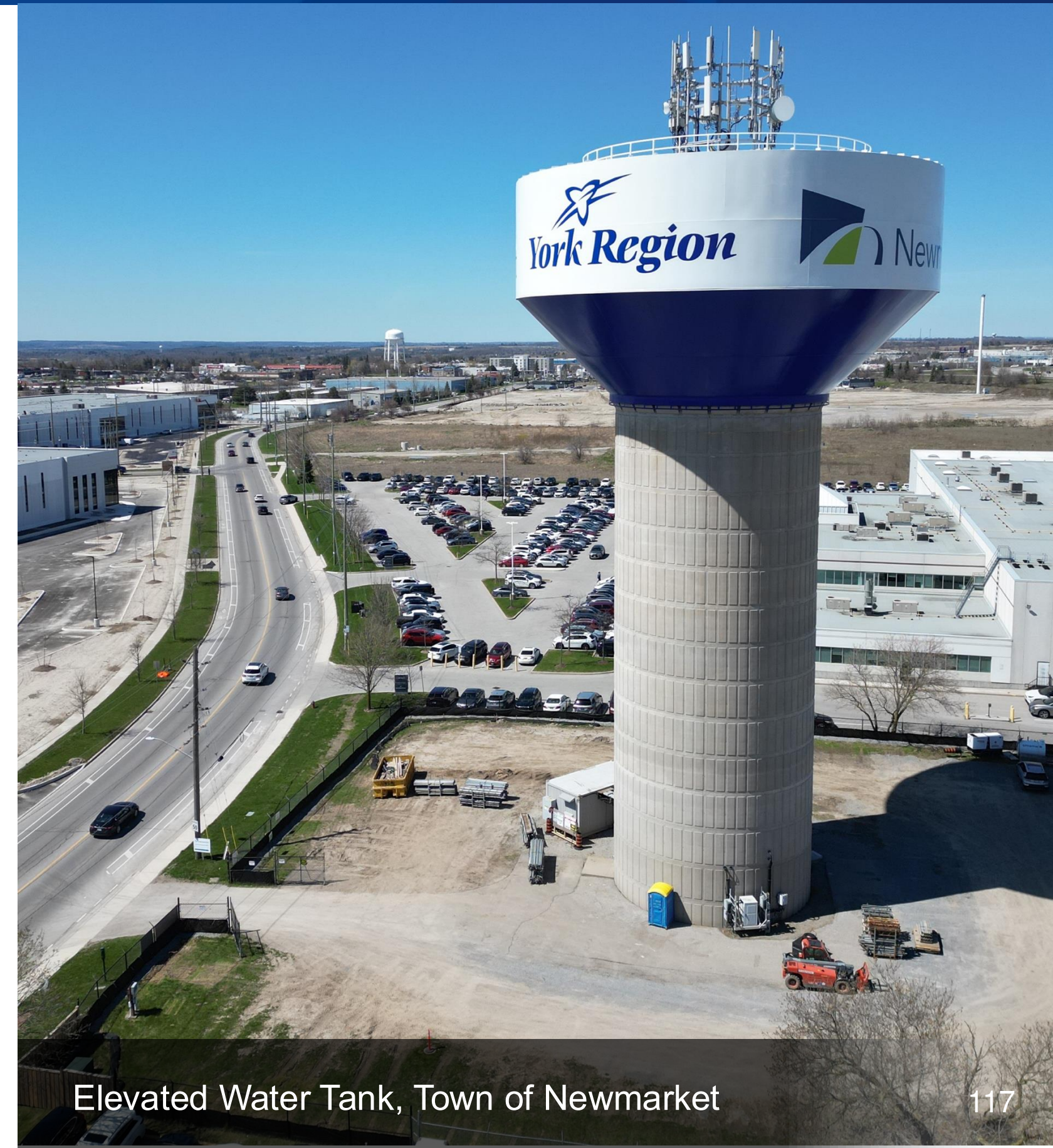
These guidelines and standards have been developed for use by engineering consultants and contractors working on York Region public and private infrastructure projects.

[Read More >](#)



# Final Key Messages

- \$4.637 billion 10-Year Capital Plan
- Vast portfolio of diverse projects supporting growth and system reliability
- Shared commitment to on time, on budget, quality project delivery
- Continuous improvement based on feedback from valued industry partners



Elevated Water Tank, Town of Newmarket



# Thank you

For more information:

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Regional Municipality of York

Public Works

Director, Capital Delivery Water and Wastewater

[pina.accardi@york.ca](mailto:pina.accardi@york.ca)







# GTSWCA

Greater Toronto Sewer & Watermain  
Contractors Association

# MUNICIPAL INFRASTRUCTURE SUMMIT



## 2025 Municipal Project Pipelines





**GTSWCA**

Greater Toronto Sewer & Watermain  
Contractors Association

## MUNICIPAL INFRASTRUCTURE SUMMIT

# CONFLICT AVOIDANCE PROCESS

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**JOHN FLETCHER**

Executive Director Dispute Resolution Service at RICS





CONFLICT AVOIDANCE



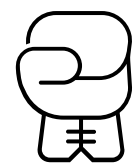
# RICS Conflict Avoidance Process

John Fletcher, Executive Director  
Dispute Resolution Service, RICS





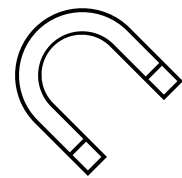
# Disputes in Canada



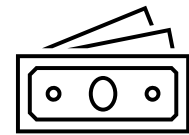
Create an adversarial project environment



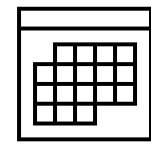
Distract leaders from core tasks of project delivery



Turn companies and talent off working in the market



Add significant costs to doing projects



Increase frequency and length of project delays



Increase costs and reduce availability of project insurance



**22%**  
of total capital budgets in dispute in Canada

**53%**  
of additional time sought by contractors based on planned program in Canada

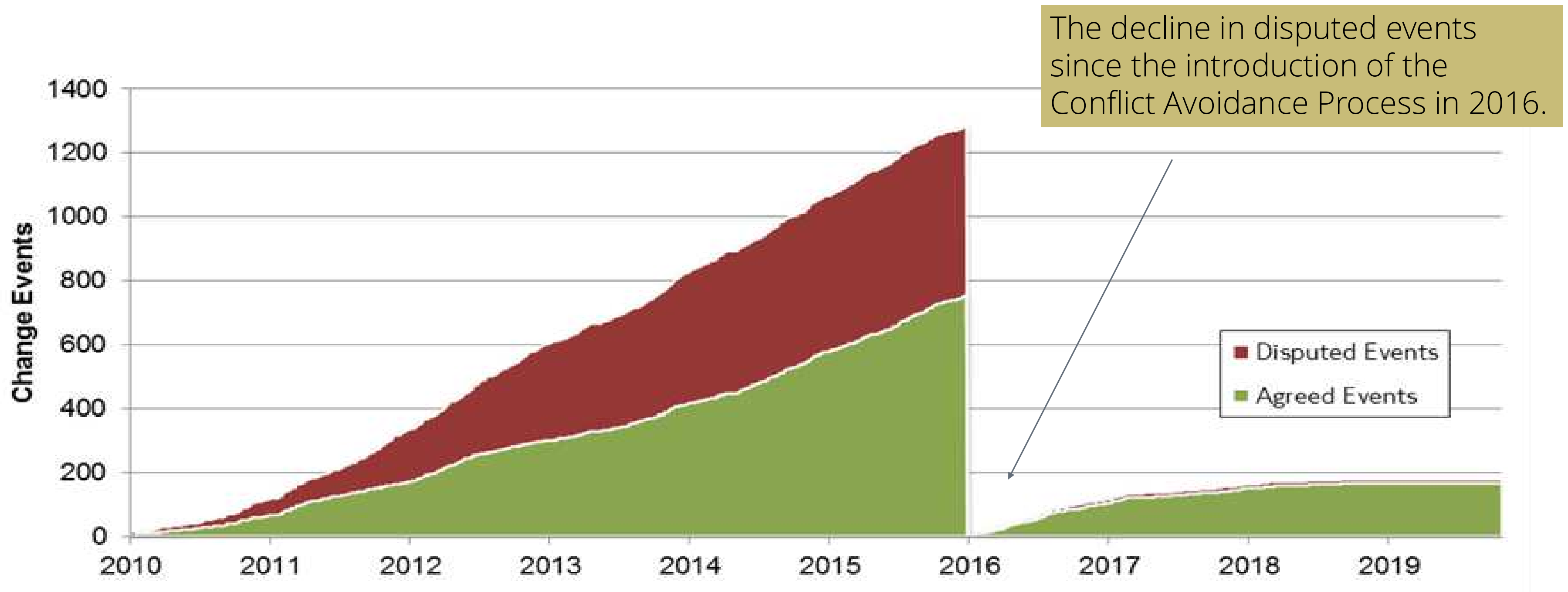


**US\$42.8 million**  
Average dispute value in North America

**13.6 months**  
Average dispute length in North America



# Case Study - Transport for London



Using CAP, TfL delivered £2.2bn station upgrade programme with a contract cost increase of 46% compared to industry average of 79.8%

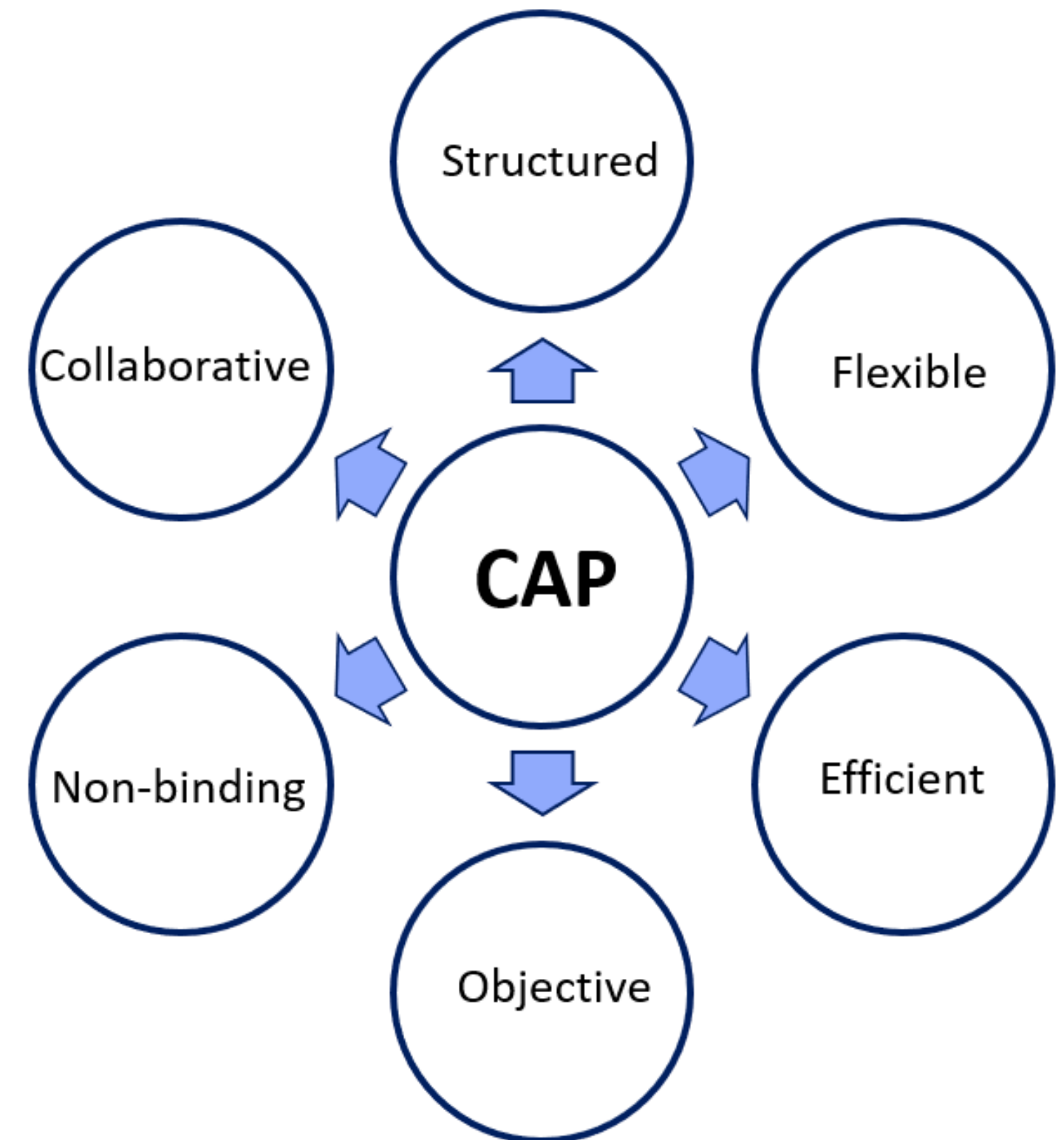
CAP not only resolved the conflicts that had already accrued, but also dramatically reduced further claims developing.



# RICS Conflict Avoidance Process (CAP)

RICS Conflict Avoidance Process was developed to help TfL to:

- Resolve existing claims, early, quickly and cost-effectively
- Provide fair and reasonable outcome
- Maintain working relationships between TfL and suppliers
- Provide certainty of outcome
- Reduce potential for future conflict





# Conflict Avoidance and dispute management

- Typically, when a dispute arises on a construction project, it is handed over to the legal team for resolution.
- This will often lead to the dispute being referred to arbitration, adjudication, or litigation.
  - These adversarial methods of dispute resolution can involve lots of time and financial cost.
  - They are not designed to maintain commercial relationships or help people involved in projects to work together to get projects delivered on time and on budget
- There is evidence across the globe of increasing appetite for methods that help to avoid conflict and manage disagreements collaboratively.
- Addressing disputes when they arise can reduce disruption and the associated costs.



# RICS Conflict Avoidance Process (CAP)

## How exactly does CAP work?

- ✓ CAP involves the introduction of a Panel
  - One or three **impartial professionals** (lawyers, surveyors, engineers, etc.)
  - **Credible experts** in the matter at the heart of an emerging dispute.
- ✓ CAP Panel works **collaboratively** alongside the parties but may also **conduct their own enquiries**.
- ✓ They will quickly provide the contracting parties with a **fully reasoned CAP Report** containing **recommendations for resolution** of the matter which divides them.
- ✓ Report delivered at a **face-to-face** meeting with the parties.
  - Parties can discuss the Report and recommendations in detail with each other and the CAP Panel, who can answer any questions.



# RICS Conflict Avoidance Process (CAP)

## Why do people like CAP?

- ✓ A preventive technique - simple to implement and easy to use
- ✓ **Cost effective** and is called on only when needed (“pay as you go”)
- ✓ Issues are reviewed by **industry expert(s)**, credible and experienced in the subject matter
- ✓ **Parties retain control** of the process and outcomes
- ✓ **Flexible process** can be scaled to fit issues of varying complexity and value
- ✓ CAP Report contains **practical, reasoned recommendations** for resolution
- ✓ Process is **non-binding**



# RICS Conflict Avoidance Process (CAP)

What are some additional benefits of using CAP?

- ✓ Preserves commercial relationships and brand reputations
- ✓ Reduces potential for future conflict
- ✓ Delivers quick resolution – outcomes achieved within weeks
  - Designed to deal with disputes early, collaboratively and cost effectively before they escalate
- ✓ Provide fair and reasonable outcome
- ✓ Provide certainty of outcome
- ✓ Cost effective
  - Rates agreed beforehand (usually hourly or daily rate). Paid for by the parties in equal shares, and only when it is used



# Disputes that used CAP



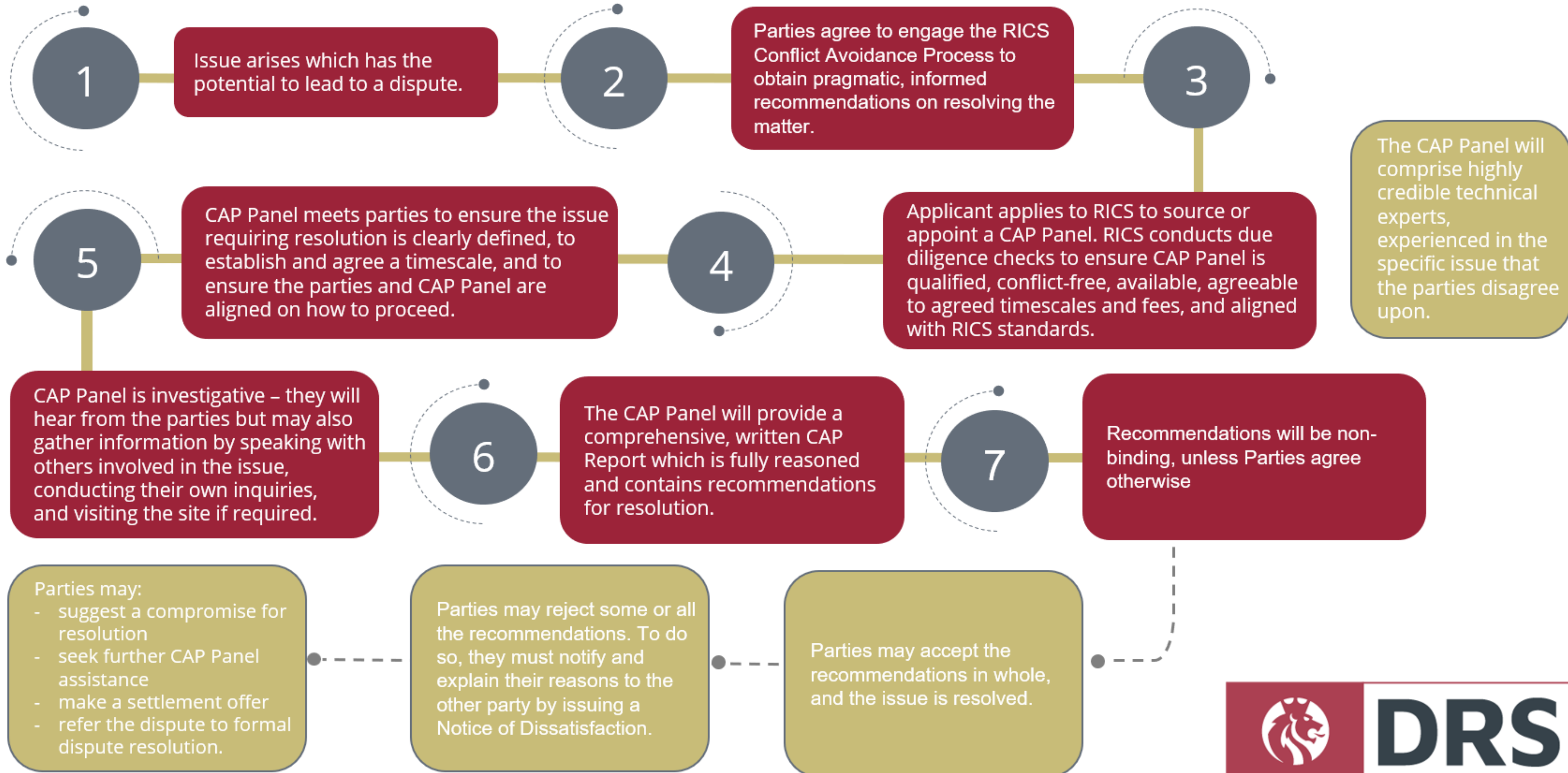
Smallest dispute



Largest dispute



# Conflict Avoidance Process



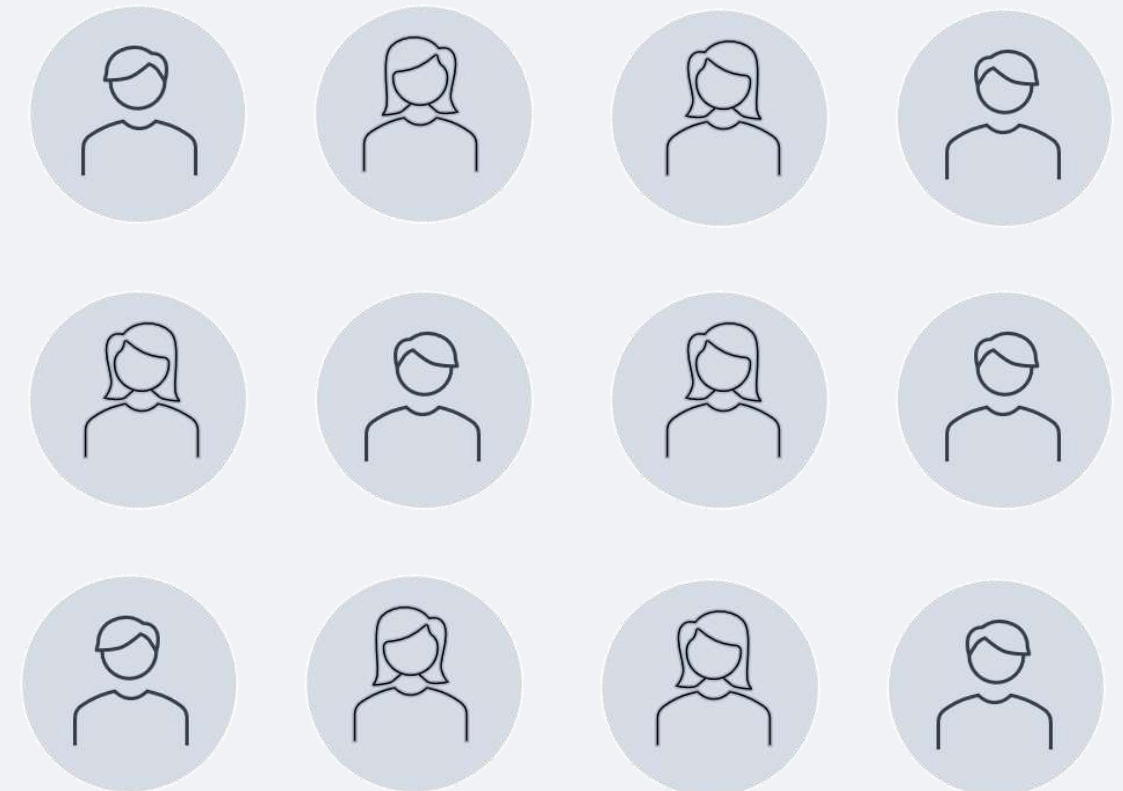


# Who's In A CAP Panel

## Jointly Selected by Government and Industry

- ▶ Governments work with industry to identify a pool of respected experts in the sector
- ▶ Experts come from range of professions (lawyers, surveyors, engineers, etc.) and specialisms (geotechnical, mechanical and electrical, contracts, etc.)
- ▶ Those chosen are selected/recruited based on expertise, standing in the industry, and behavioural attributes
- ▶ Pools can be developed on a sector basis or at an organizational level
- ▶ Once a dispute arises parties agree to a panel of one to three experts, and jointly select those chosen

### CAP Panel: Highway Projects





# CAP Implementation on Projects



## No Need to Amend Contracts in Many Cases

1. The CAP procedure and timetable can be included in the main contract between the parties or agreed by the parties separately.
2. CAP operates alongside the main contract. It does not suspend the operation of the main contract unless the parties agree that it should.
3. Any notices, steps or processes under the main contract will, normally, continue as they would were the CAP not in place, save that the parties will provide the CAP Panel with copies of any such notices or inform them of the nature of such steps or processes without delay.
4. CAP is voluntary, and any party may withdraw from it at any time.
5. CAP is confidential.



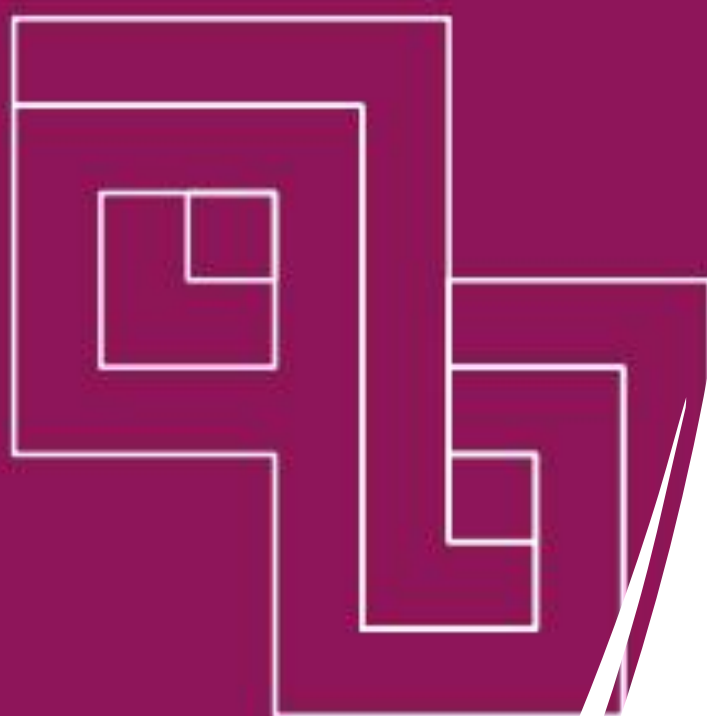


HM Government

# THE CONSTRUCTION PLAYBOOK

## **Government Guidance**

on sourcing and contracting public works  
projects and programmes



Version 1.1  
September 2022

## Government endorsement of conflict avoidance measures

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- Construction Playbook
  - Cabinet Office Guidance on responsible contractual behaviour
- Welsh Government 12-point post covid recovery plan
- Scottish Government Construction Policy Note (CPN) 2/2021
- Government in Middle East piloting CAP pilot scheme in 2025



# Perspectives on CAP

- Conflict Avoidance Process is confidential
- It is largely informal
- It is not beset by rules
- It allows the appointed, knowledgeable, CAP Panel to set the procedure considered to be appropriate based on the matters in issue.
- It will typically involve:
  - Some form of position paper/statements from the parties, and responses thereto;
  - An identification of the key issues
  - Some form of consultation typically a mixture of inquisitorial, caucus, and plenary sessions
  - Reasoned recommendations by the Panel, encouraging further progress
  - Culminating in an evaluative, reasoned recommendation by the CAP Panel



Dr Franco Mastrandrea  
Partner, HKA



# Perspectives on CAP



Jonathan Cope  
CAP Panellist

“CAP offers a number of advantages over other forms of dispute resolution. In particular, potential disputes can be ‘nipped in the bud’ before they escalate, meaning that working **relationships can be maintained** and **legal costs can be minimised**, if not avoided altogether.

Furthermore, CAP offers **complete flexibility** in the processes which can be adopted.”





# Thank You.

For more information contact:

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[@rics](#)





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Contractors Association

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## 2025 Municipal Project Pipelines



**A SINGLE  
DROP**

**Scan QR Code**

