



City of Port Colborne
Committee of the Whole
Budget Meeting Addendum

Date: Wednesday, November 22, 2023
Time: 6:30 pm
Location: Council Chambers, 3rd Floor, City Hall
66 Charlotte Street, Port Colborne

Pages

4. Staff Reports

4.1 2024 Rates Budget, 2023-164

a. *2023 Water/Wastewater Projects*

1

2023 Water/Wastewater Projects

Project Name	Budget	Projected Completion	Status Update
Pollution Prevention Control Plan	\$250,000	2024	In progress - 50%
Clarke Area Inflow Reduction	\$640,000	2024	In progress - 30%
Omer Sanitary Pipe Investion	\$150,000	2024	In progress - 50%
Sanitary Sewer Lining (2023)	\$500,000	2024	In progress - 60%
Sanitary Sewer Lining (2024)	\$10,000,000	2024-2026	In progress - 5%
Storm Inventory and Conditon Assessment	\$500,000	2024	In progress - 40%
Storm Outlet Backflow Control	\$300,000	2024	In progress - 10%
Watermain Replacement Projects	\$5,000,000	2024	In progress - 20%



Pollution Prevention Control Plan



Rain gauge located at Clarke Street Pumping Station

A Pollution Prevention Control Plan (PPCP) is a city's strategy to minimize pollution, manage sources, protect water quality, and promote sustainability.

Key Objectives:

1. **Reduce extraneous flows** to the wastewater system to reduce unnecessary treatment costs
2. Development of Pollution Prevention Measures
3. Implementation of Control Measures
4. Hydraulic Modelling of the Sanitary Sewer System
5. Public Education and Outreach

Sanitary Sewer Lining

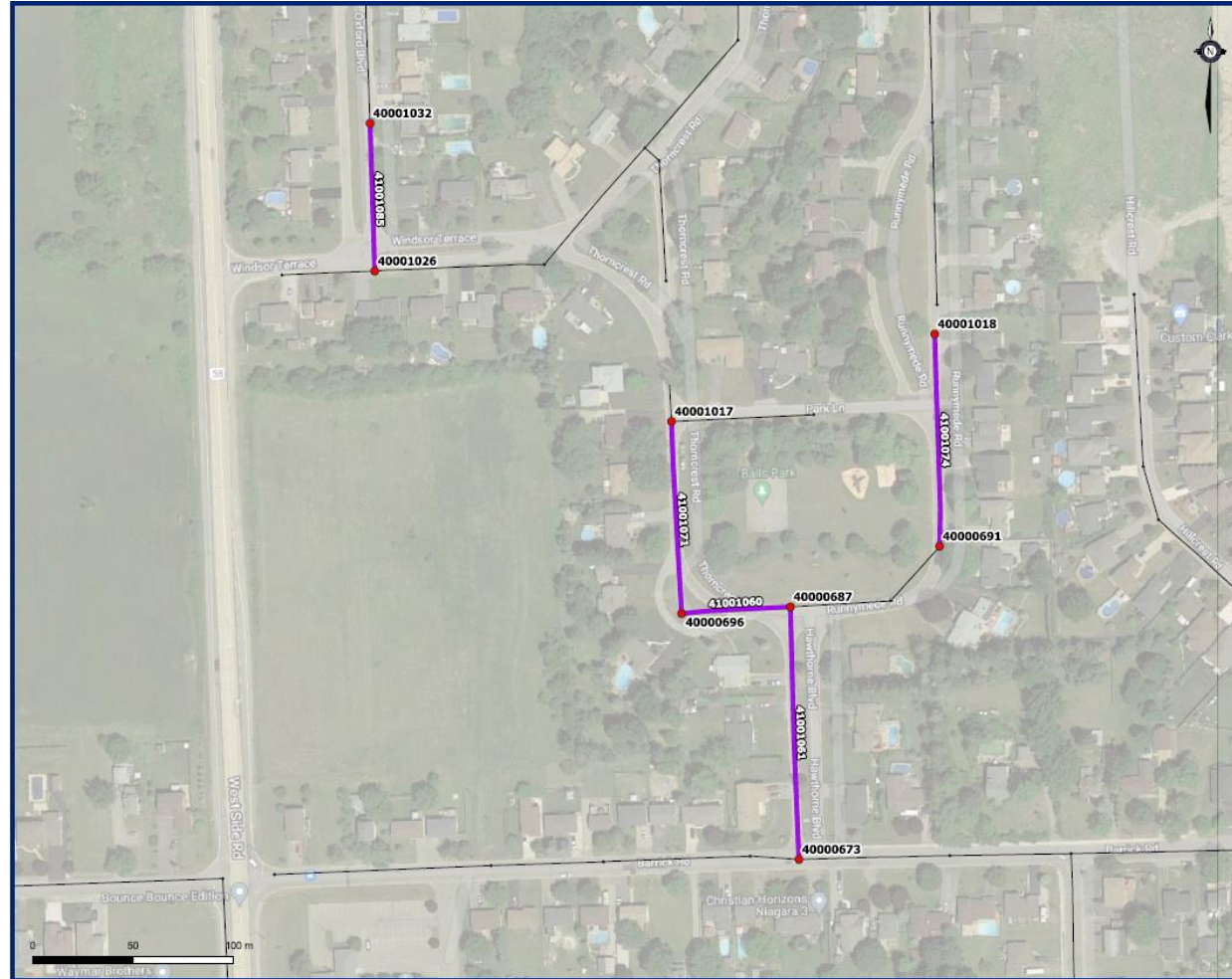
- The Sanitary Sewer Rehabilitation Program was initiated to effectively extend the lifecycle of existing wastewater infrastructure and reduce inflow and infiltration of storm water into the sanitary sewer network.
- Areas undergoing rehabilitation were identified through the Pollution Prevention Control Plan flow monitoring data
- Sewer lining is less intrusive, cost-effective solution to renew the life of the asset and reduce extraneous flows



Priority Sewers

Area 1

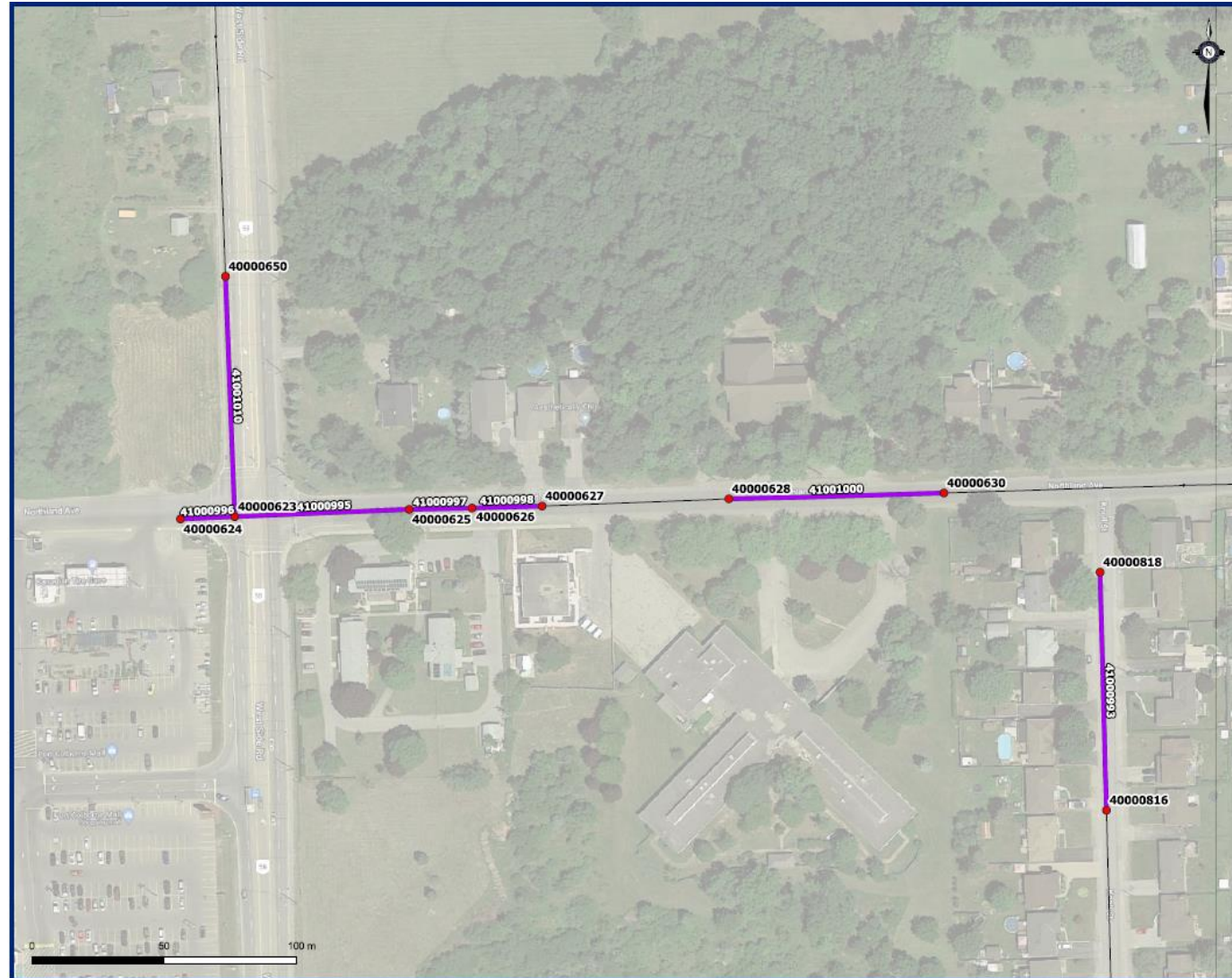
- Oxford Blvd
- Hawthorne Blvd
- Runnymede Road
- Thorncrest Road



Priority Sewers

Area 2

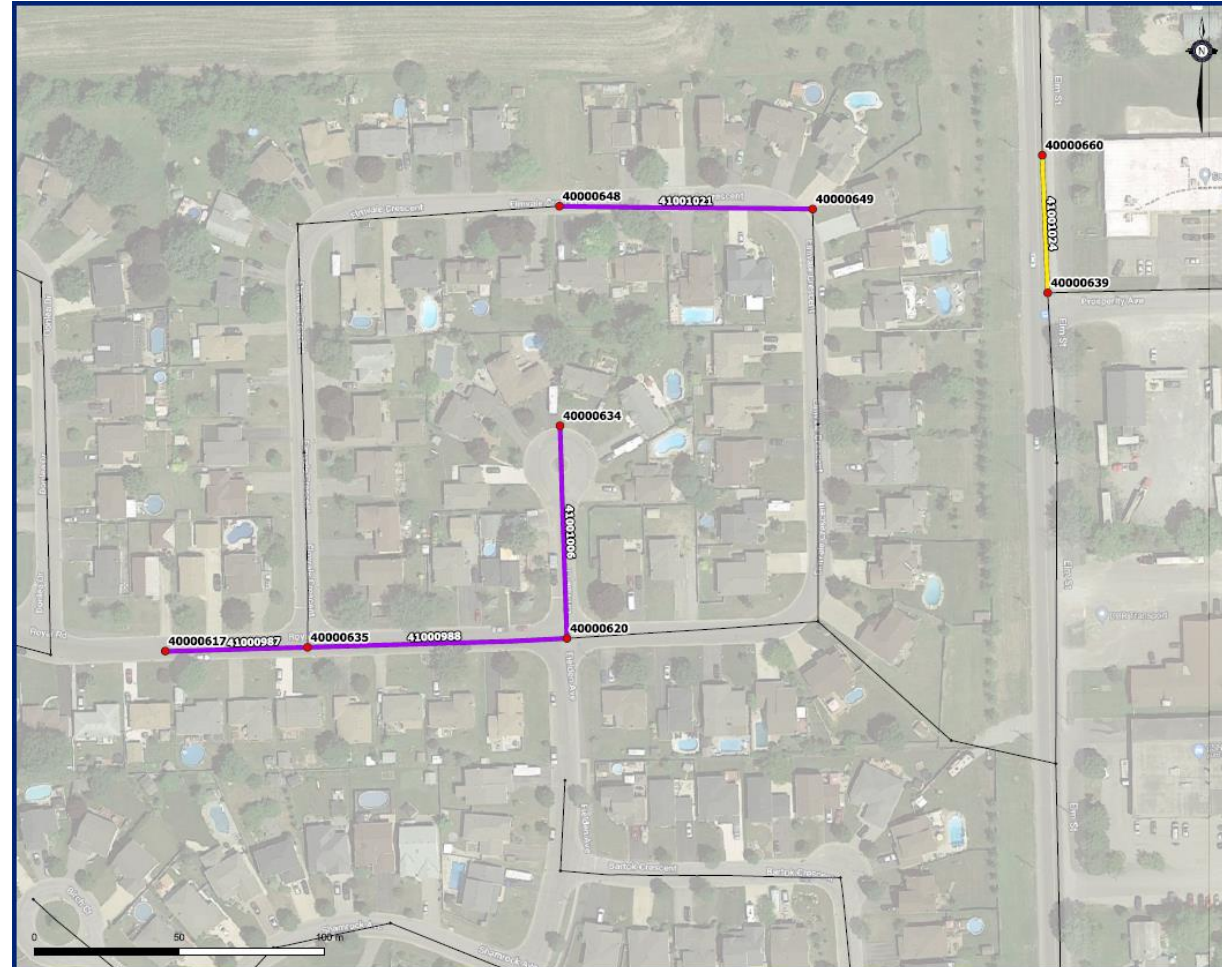
- West Side Rd
- Northland Ave
- Knoll Street



Priority Sewers

Area 3

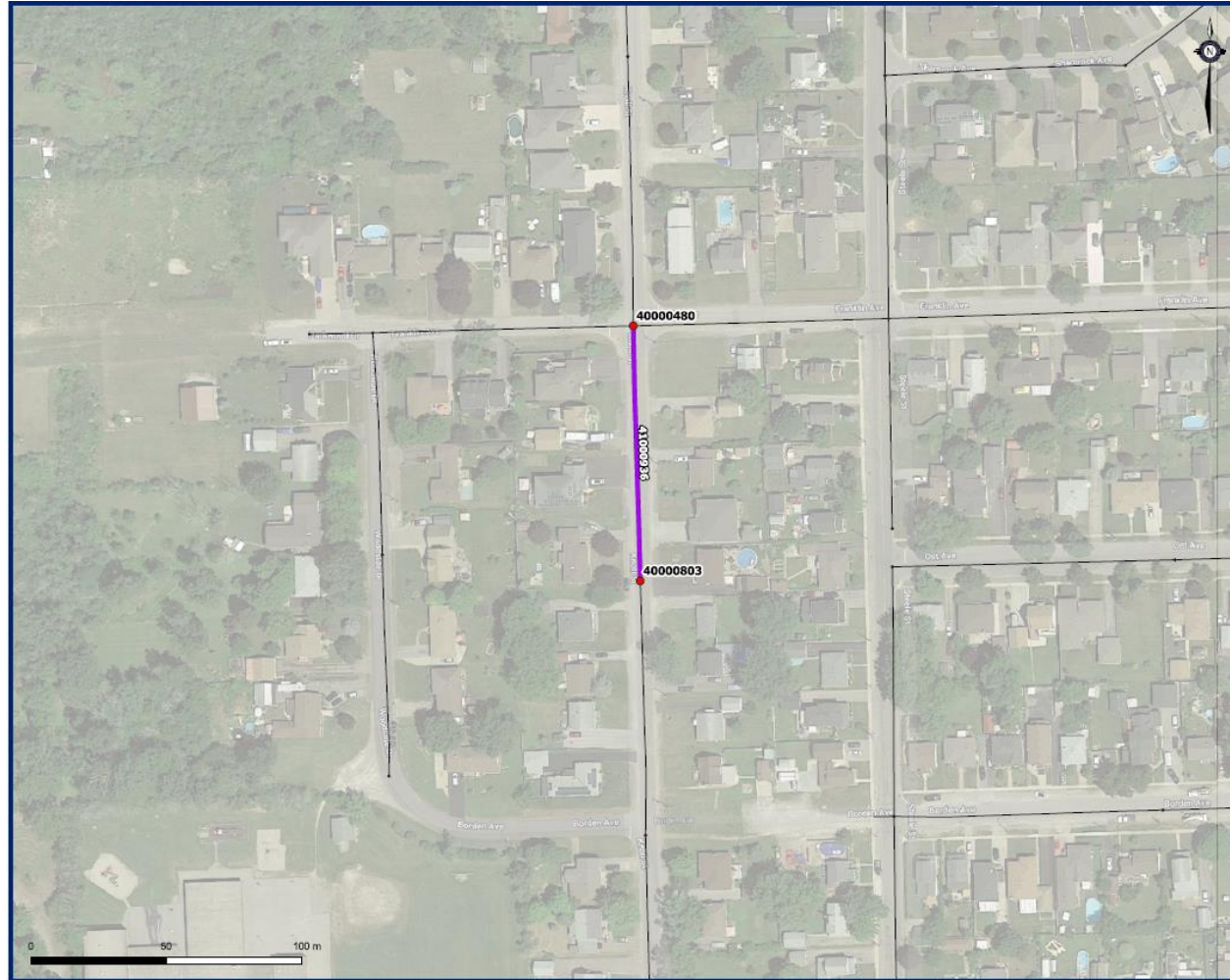
- Royal Rd. to Fielden Ave.
- Elmvale Ct.
- Elm St. (By Prosperity Ave.)



Priority Sewers

Area 4

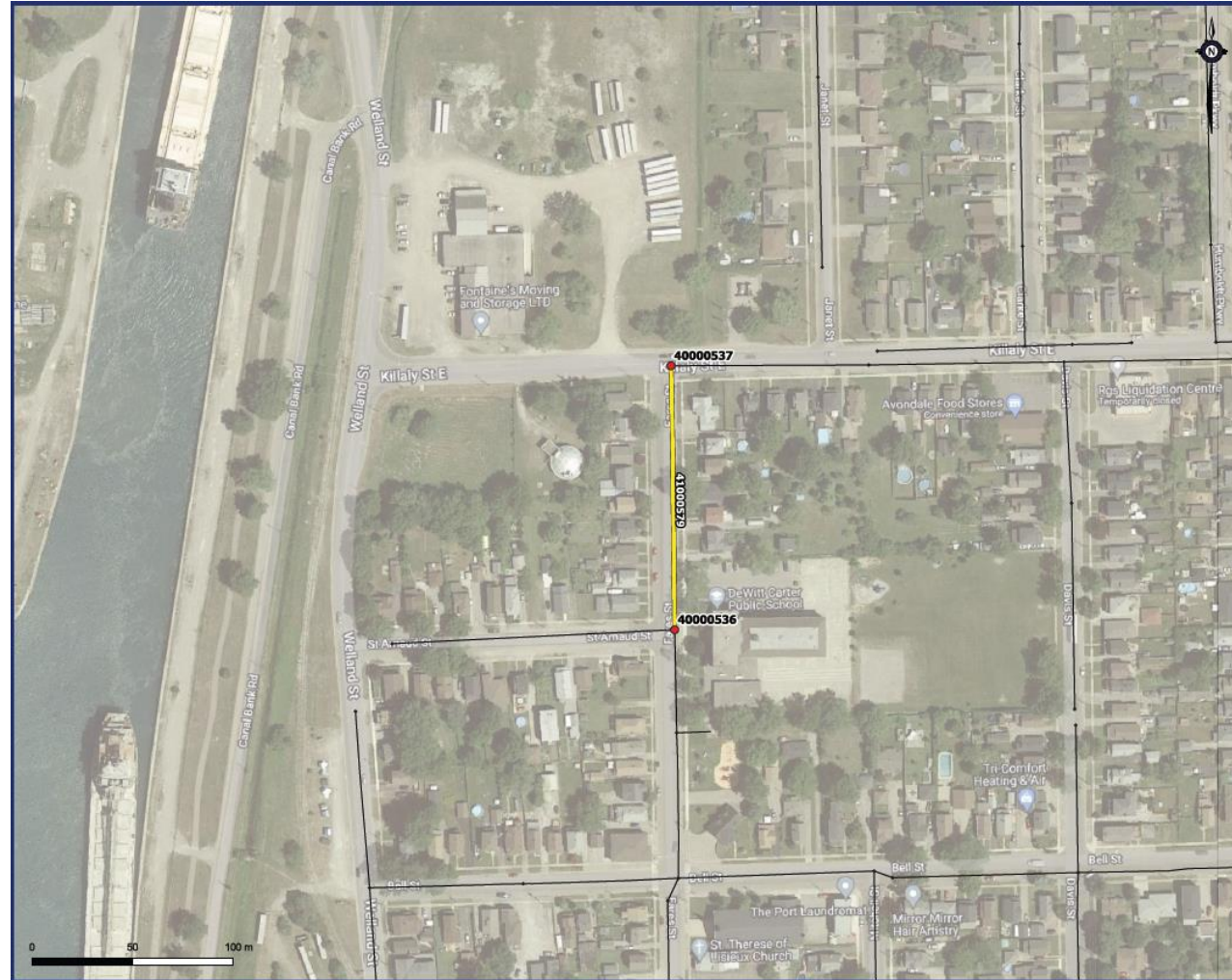
- Knoll St



Priority Sewers

Area 5

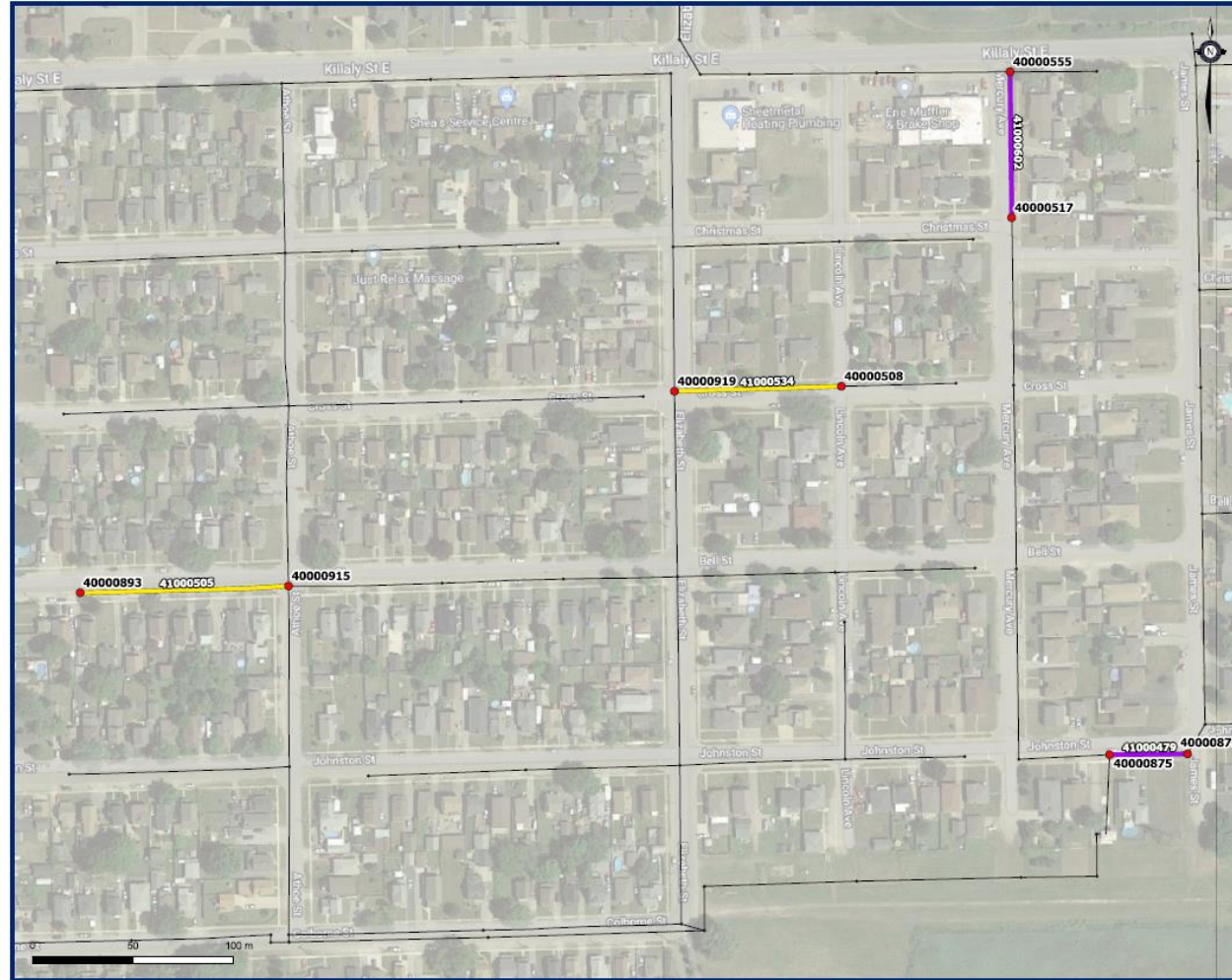
- Fares St



Priority Sewers

Area 6

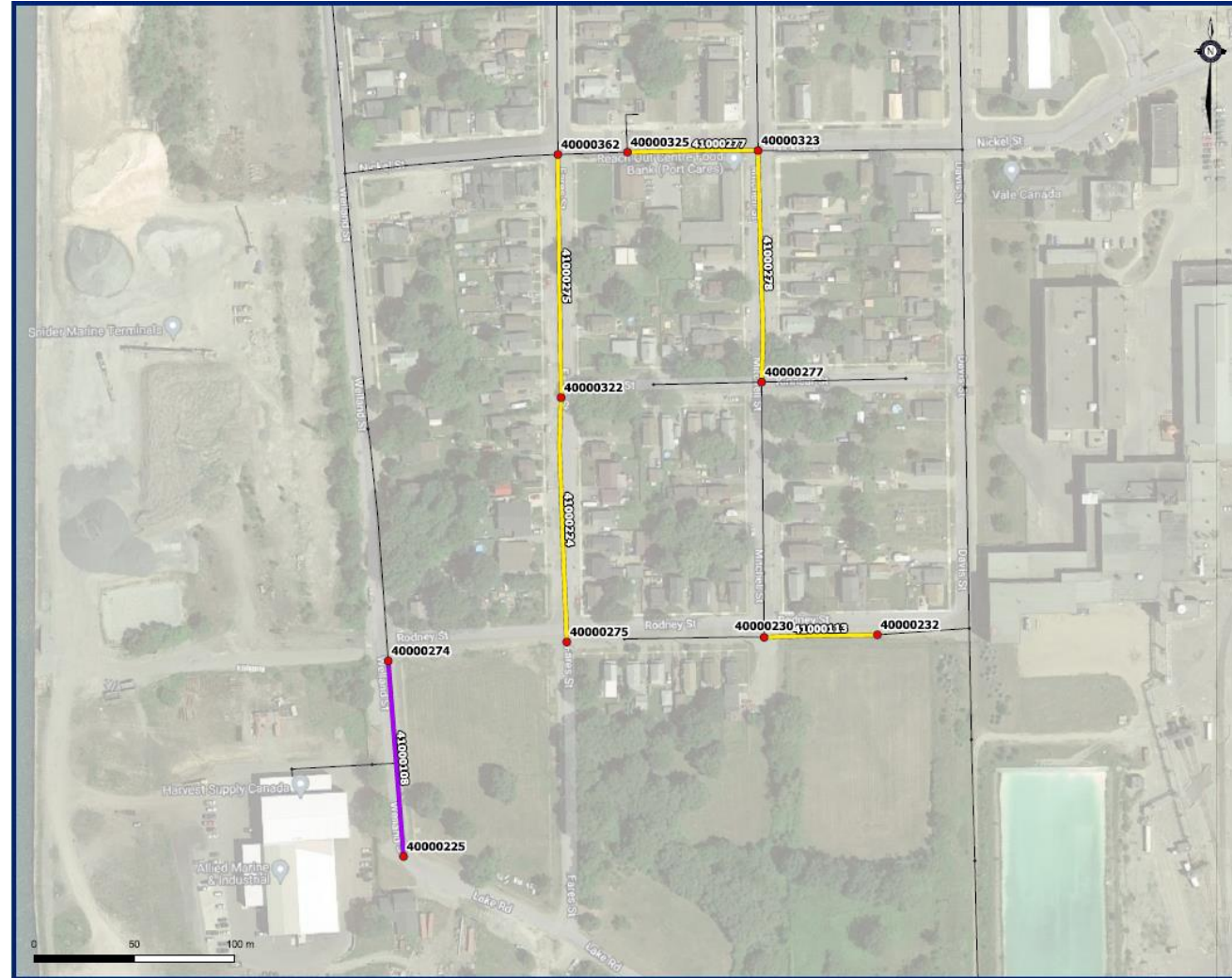
- Mercury Ave
- Johnston Street
- Cross Street
- Bell Street



Priority Sewers

Area 7

- Welland Street
- Fares Street
- Rodney Street
- Mitchell Street
- Nickel Street



Storm Sewer Condition Assessment



- The Storm Sewer Condition Assessment project was initiated to evaluate and maintain the functionality of the City's storm sewer system.
- Storm sewers play a vital role in managing rainwater, preventing flooding, and maintaining the overall integrity of the urban serviced areas.

Wellington and Chestnut Intersection

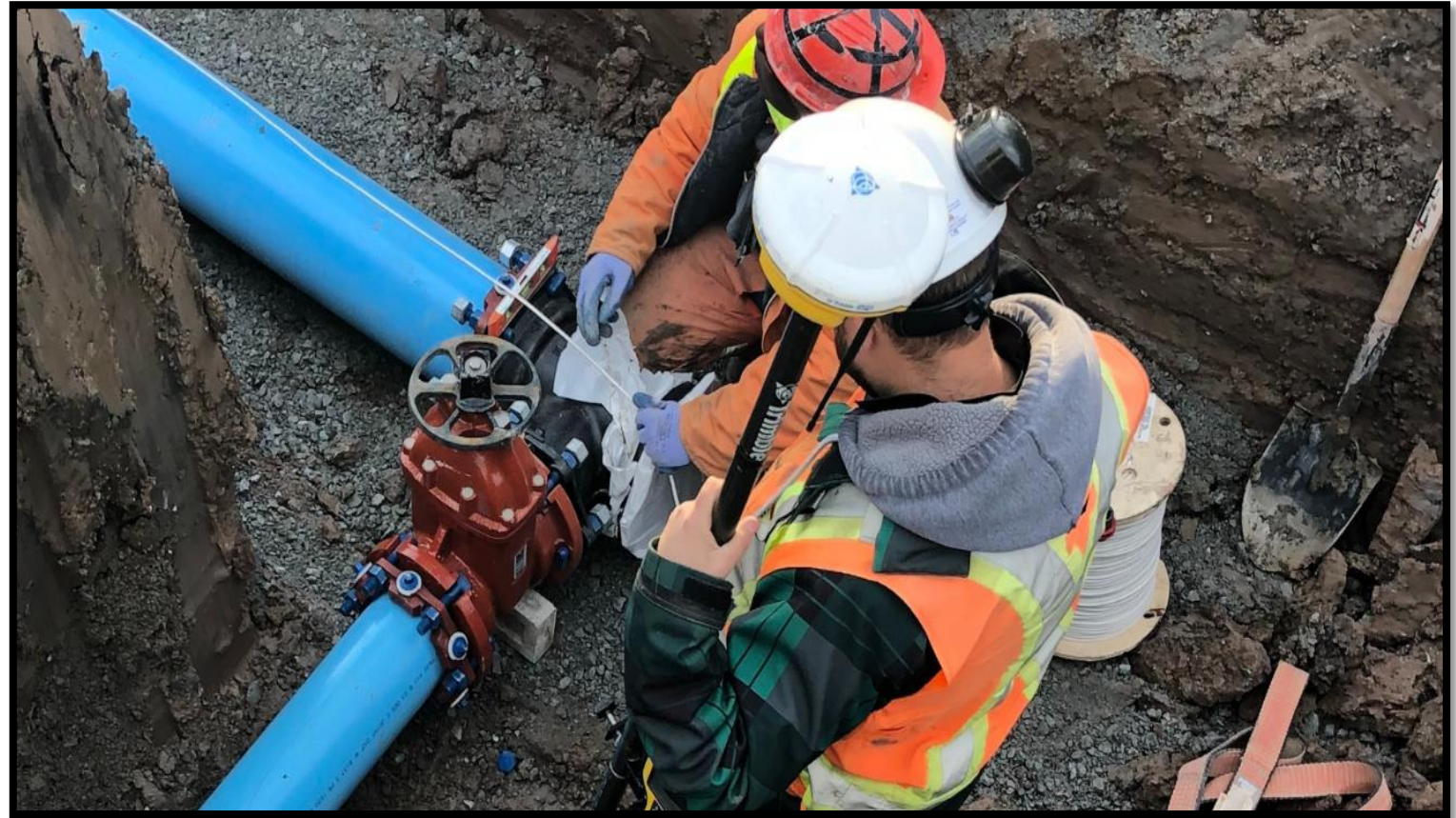


Watermain Replacement Projects

Proposed Watermain Locations

1. Davis Street
2. Berkley Ave
3. Homewood Ave
4. West Street

All watermains are currently at 90% design, with construction tenders scheduled for release in February 2024.



Clarke Area Inflow and Infiltration Remediation

- Niagara Region's Master Servicing Plan identified the Clarke area sanitary sewers as nearing capacity due to high wet weather flows.
- The goal of this project is to identify and address sources of excessive inflow and infiltration that can overwhelm the sewer system, leading to issues like sewer overflows and increased treatment costs

