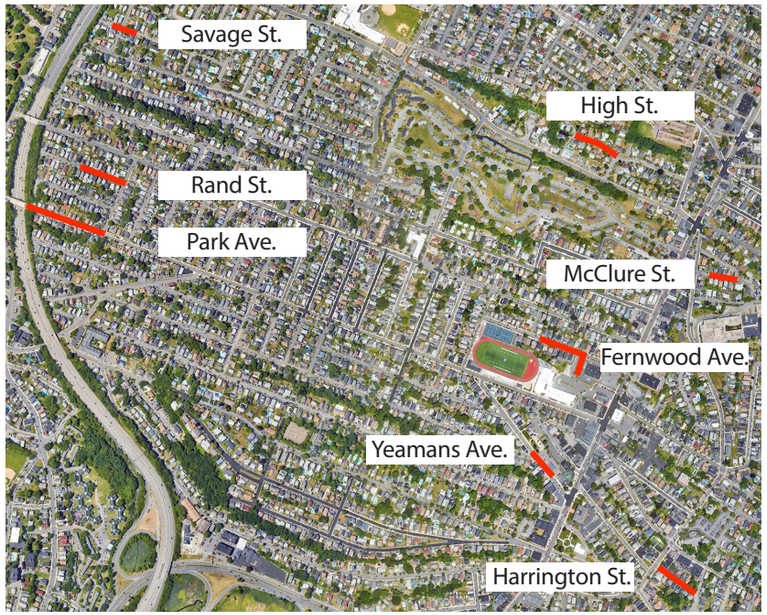
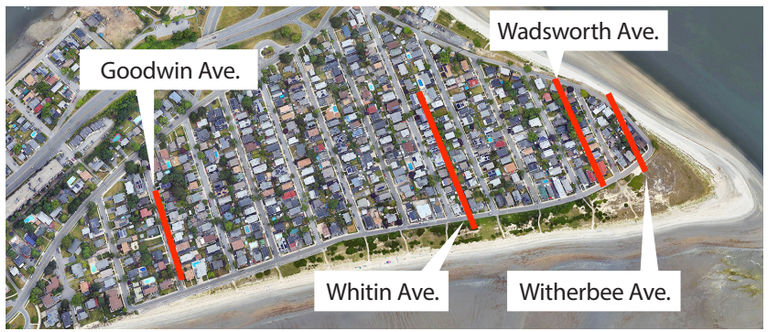
The City of Revere
Massachusetts

Inflow Removal Project 10A





Project Overview

The City of Revere Inflow Removal Project 10A

The Engineering Department and Department of Public Works identified the need to improve sewer and storm water infrastructure in locations throughout the City of Revere (City) to aid in the overarching removal of "clean" water inflow into the City's Sanitary Sewer System. The goal of this project is to redirect existing public and private inflow sources discharging into the sewer. These sources include but are not limited to sump pumps, roof drains, roof leaders, driveway drains and yard drains. These sources collect "clean" water and are in violation of The Clean Water Act when discharging to the sanitary sewer. Additionally, this project includes installation of new storm water infrastructure on several streets.

Construction initiated August 2024

Benefits of Inflow Removal

Removing clean water inflow from the sanitary sewer systems has many benefits to the City, homeowners, and the environment, including:

- Reduced risk of wastewater backups into private residences
- Reduced risk of wastewater discharging to critically sensitive areas– such as wetlands
- Reduced wastewater treatment costs associated with unnecessary treatment of "clean" water

▲ *Example of a drainage manhole that will be installed.*

Schedule

Year	Month	Phase
2023	JAN –DEC	Design
2024	JAN – APR	Design
	MAY – JUL	Construction Bidding
	AUG – OCT	Construction Begins August 2024
Winter Work Shutdown	NOV – DEC	
	JAN – APR	
2025	MAY – JUN	Final Paving (schedule to be determined)
	JULY	Project Complete July 2025

Excavation work will be suspended from November 2024 through April 2025 and final paving will be completed during the spring of 2025 in a consecutive 30-day period. Completion will be no later than June 30th.

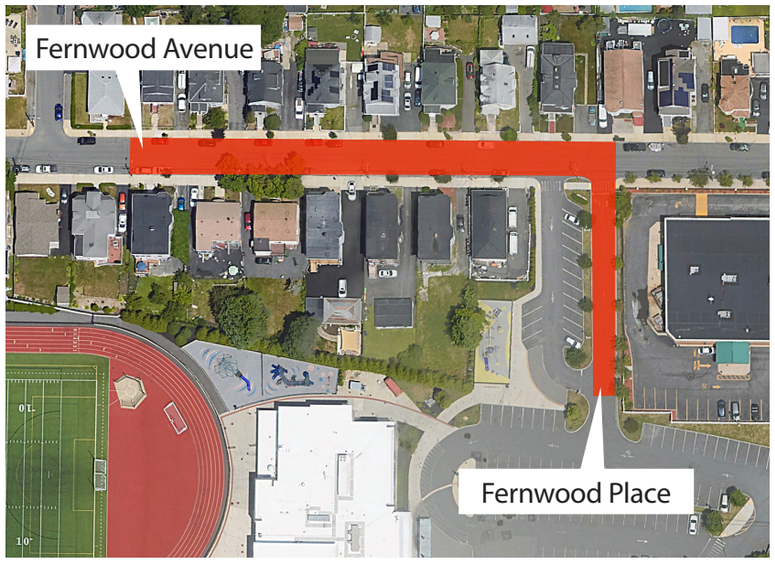
Questions?

For questions related to this project, contact:

Nicholas Rystrom, PE, City Engineer
781-286-8152

AUGUST 2024

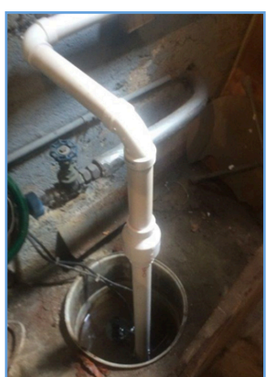
Location of Project Work and Summary of Improvements (Example)



Map data Google ©2024

Example of catch basin and drain manhole layout

Roof leader ▶



▲ *Sump pump*

◀ *Roof drain*

Inflow project 10A includes, but is not necessarily limited to:

- Installation of approximately:
  - 4,000 linear feet (LF) of new 12-inch PVC and ductile iron drain pipe
  - 34 new drain manholes
  - 30 new catch basins
- Redirection of 28 private property inflow sources such as roof drains, roof leaders and sump pumps

New Drainage and Paving Details

Location	Drainage (LF)	Manholes	Catch Basins	Permanent Trench Paving	Full-width Mill & Overlay Paving
Bradstreet Avenue	215	1	3	✓	
Fernwood Avenue	420	2	2	✓	
Goodwin Avenue	215	3	3	✓	
Harrington Street	100	2	1	✓	
High Street	260	3	2	✓	
Kimball Avenue	615	3	2		✓
McClure Street	140	1	2	✓	
Park Avenue	345	4	2	✓	
Rand Street	70	0	1	✓	
Savage Street	160	2	2	✓	
Wadsworth Avenue	135	0	1	✓	
Whitin Avenue	400	3	1	✓	
Witherbee Avenue	450	3	1	✓	
Yeamans Street	160	3	1	✓	

City of Revere

Patrick M. Keefe, Jr.
Mayor

Christopher Ciaramella
Superintendent of Public Works

Nicholas Rystrom, PE
City Engineer

CDM Smith
cdmsmith.com

Robert O. Button, *Officer-in-Charge*

John T. Doherty, PE, *Project Director*

Kara Rozycki, PE, *Project Engineer*

City of Revere
Public Notice

For More Information Contact:
City of Revere Engineering Department
781-286-8152 | engineer@revere.org

SEWER

Construction improvements to the City's sewer system including sewer pipes, sewer manholes and sewer pump stations are currently ongoing and are being financed by the Massachusetts Clean Water State Revolving Fund (CWSRF).

The CWSRF program is administered by the Massachusetts Department of Environmental Protection (MassDEP) with joint funding from the U.S. Environmental Protection Agency (US EPA) and the Commonwealth of Massachusetts. This project consists of installation of a new lining system in the existing sewer pipes, manholes and sewer service connections, upgrades to various pump stations, as well as improvements to drainage systems and redirection of sump pump discharge from the sewer to the drainage system.

Projects currently ongoing and/or scheduled in 2024-2025 include the following:

- Phase XIII Part 1 Sewer Rehabilitation
- Phase XIII Part 2 Sewer Rehabilitation
- Contract 9A – Sump Pump Removal
- Phase XIV Sewer Rehabilitation
- Contract 10A – Sump Pump Removal

This work will provide necessary upgrades/ improvements that are intended to minimize the risk of Sanitary Sewer Overflow (SSO) events, reduce infiltration and associated treatment costs.

CWSRF programs operate around the country to provide states and communities the resources necessary to maintain and improve the infrastructure that protects our valuable water resources nationwide.

2024