



Patrick M. Keefe, Jr., Mayor
Christopher Ciaramella, Superintendent of Public Works
Nicholas Rystrom, PE, City Engineer

Fenno Street Drainage Improvements Project

City of Revere, Massachusetts

Project Overview

Construction is scheduled to start September 2024

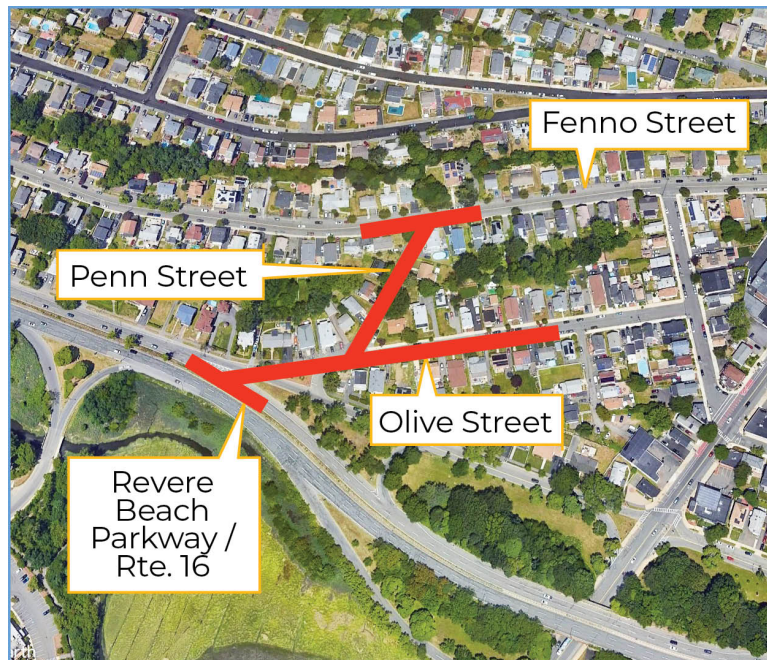
The Engineering Department and Department of Public Works identified the need to improve the stormwater infrastructure in the Fenno Street and Olive Street areas. Specifically, existing undersized stormwater infrastructure causes problems during rain events, resulting in roadway and area flooding. The goal of this project is to install new storm water pipes and structures on Fenno Street, Penn Street, Olive Street and Revere Beach Parkway.

This project includes, but is not necessarily limited to:

- ▶ Installation of approximately:
 - 750 LF of 12”-24” PVC and ductile iron drain pipe
 - 11 drain manholes
 - 3 catch basins

Water Quality Benefits

The proposed drainage system should lead to an improvement in stormwater quality. Offline catch basins with deep sumps and hoods are credited for a 25% Total Suspended Solids (TSS) removal for the upstream drainage area. The sumps will have the added benefit of reducing the amount of sediment material and floatables reaching the down-stream stormwater collection system by catching and storing these materials upstream. Additionally, hoods help contain oil if any were to spill within the catchment area.



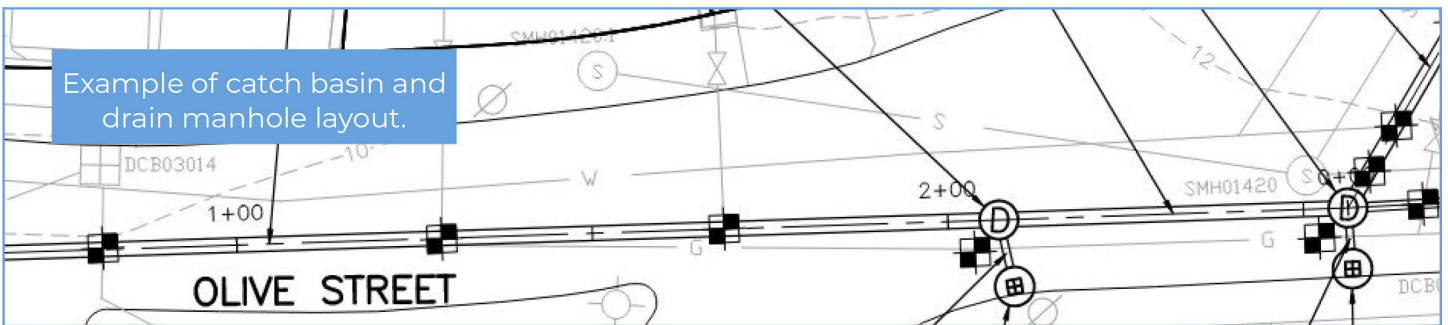
Drainage manhole installation.



Stormwater Conveyance Benefits

Based on hydraulic modeling, the addition of new stormwater piping and structures will result in a significant decrease in flooding events along Fenno Street and Olive Street. Additionally, the installation of more storm water structures will increase capacity and decrease sheet flow over the roadway along these streets.

Location of Project Work and Summary of Improvements



Schedule

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

Year	Month	Phase
2024	August	Construction Bidding
	September through November	Construction
2025	May – June	Final Paving TBD

Questions?

For questions related to this project, contact:



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City Engineer
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