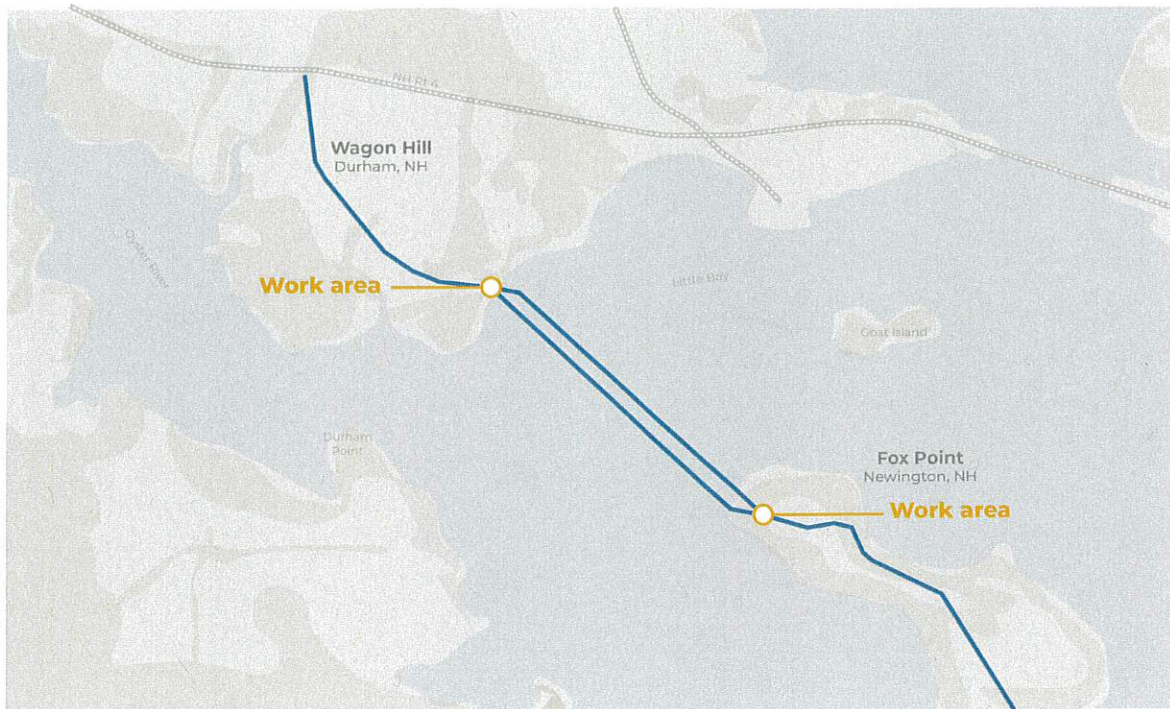


# City of Portsmouth Water Transmission Main Valve Improvement Project



# Project Overview

The Valve Improvement Project will replace obsolete valves on the existing cast iron water mains on either side of Little Bay. Construction of this Valve Improvement Project is the first phase of a larger, new transmission main project planned for the future. To prepare for the larger project, a new valve will be tapped into the existing concrete pipe on either side of Little Bay that will be used to connect the new transmission main to the existing main in the future. Additional background on the project is provided at the end of this website.

During construction, there will be two work areas near the shore on either side of the crossing in Durham and Newington. The Durham work area will be accessed using a temporary construction access drive through Wagon Hill Farm. The Newington project area will be accessed using a temporary construction access drive through Fox Point. All of the proposed work for the Valve Improvement Project will be constructed on land. **There will be no in-water work performed for this project.**

Throughout construction, the City of Portsmouth will have a designated construction monitor to observe that the project is being constructed in accordance with the contract documents and in accordance with approved environmental permit conditions.

## Details

### Restoration

The areas impacted by construction will be restored at the end of construction. Restoration includes removing the temporary access drives and reestablishing vegetation on all impacted areas.

### Schedule

The following schedule is anticipated for the Valve Improvement Project:

- Winter/Spring 2024 – Construction
- Spring/Summer 2024 – Site Restoration

## **Construction Project Area Maps**

The locations of the project work areas are shown on the following maps: [Wagon Hill Map](#) and [Fox Point Map](#). All work areas should be considered active construction sites. Access by the public is prohibited.

## **QUESTIONS?**

Project status is updated regularly via the Project Updates section of this website. If you have questions regarding these updates or on anything related to this project, please reach out to us by emailing Al Pratt at [anpratt@cityofportsmouth.com](mailto:anpratt@cityofportsmouth.com) or calling 603-520-0622.

## **Project Updates**

## December 18, 2023

A pre-bid meeting was held to familiarize potential contractors with the site conditions within the easements, access requirements, and working conditions on both the Newington and Durham sides of the Valve Replacement Project. Bids were received and reviewed, and the project was awarded to S.U.R. Construction, Inc. of Rochester, NH.



# **Additional Project Background**

The City of Portsmouth owns and maintains a 7 mile cross-country drinking water transmission main that brings treated drinking water from the Madbury Water Treatment Plant to Portsmouth. The 24-inch pipe carries approximately 60% of the water serving the City's regional water system which includes Portsmouth, Newington, Greenland, New Castle and portions of Madbury, Dover, Durham, and Rye. The water main crosses the Little Bay, approximately 4,000 feet to the southwest of the Scammell Bridge (US Route 4). At the crossing, the 24-inch concrete pipe transitions to two, 20-inch cast iron pipes from the Durham shore to the Fox Point shore in Newington. The two parallel transmission mains, installed in the 1950s, are approximately 3,200 feet in length across the bay. A dive inspection completed in 2016 observed that portions of the two cast iron pipes have become exposed to salt water and have experienced significant exterior corrosion, with corrosion pits greater than 50% of the pipe wall thickness in some instances. The City has undertaken a project to install a new water transmission main at the Little Bay crossing to maintain a safe, reliable supply of drinking water to the regional water system. This Valve Improvement Project is the first phase in updating the water main.

## **CONTACT INFORMATION**



## City of Portsmouth

Al Pratt

Water Resource Manager

anpratt@cityofportsmouth.com

Brian Goetz

Deputy Director of Public Works

bfgoetz@cityofportsmouth.com

## Wright-Pierce

Craig Maynard

Project Representative

craig.maynard@wright-pierce.com

Darrin Lary

Project Manager

darrin.lary@wright-pierce.com

