



***Section 23, 24 and 47 Water Mains - Boston
and Newton
(MWRA Contract 6392)***

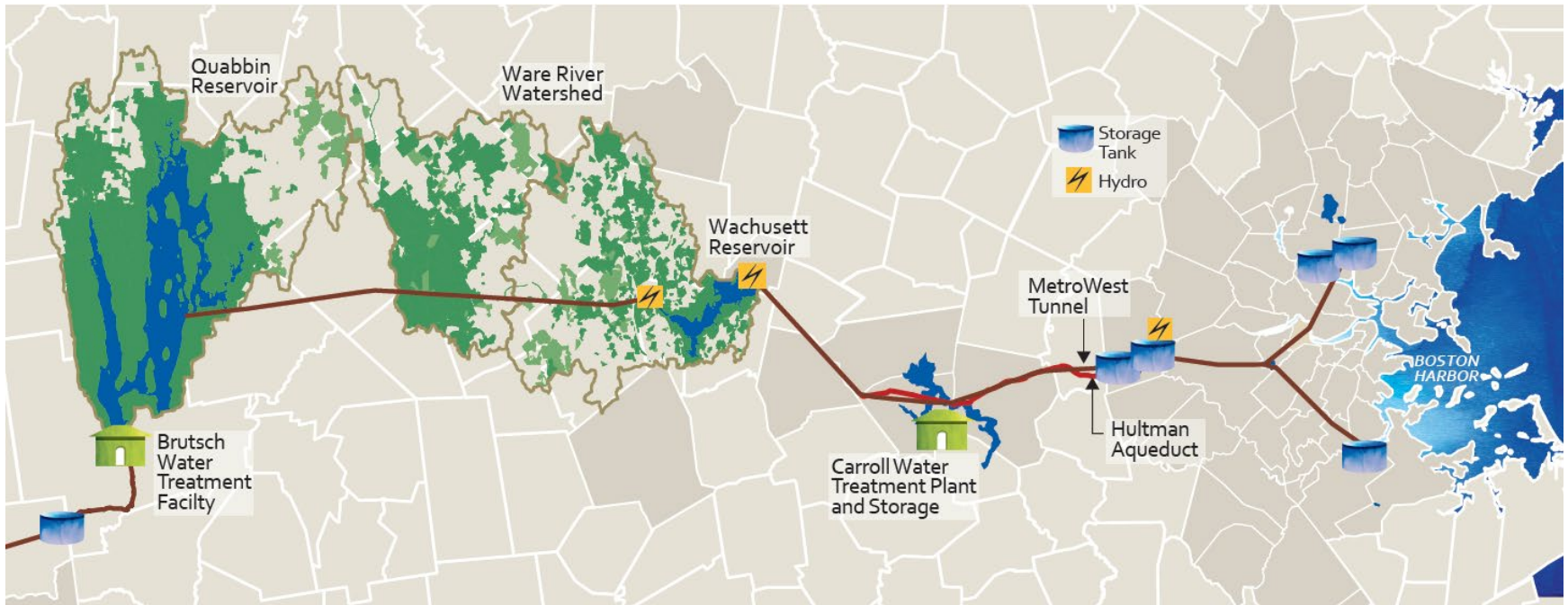
Southern High Pressure Zone Improvements

July 11, 2023



MWRA Service Area

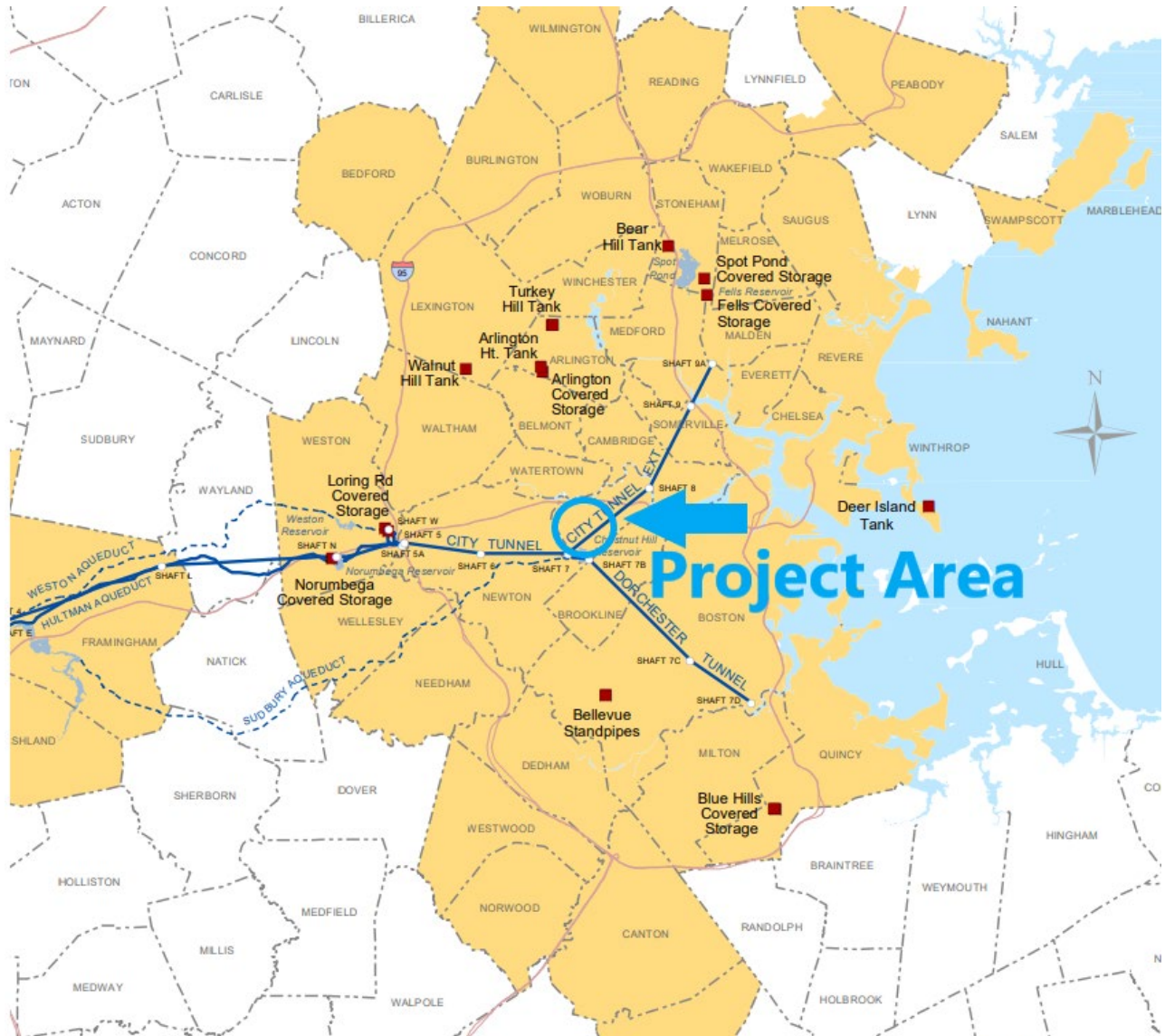
- MWRA provides wholesale water and wastewater services to over 3.1 million customers in 61 communities, including Brighton
- On average, MWRA delivers an average of 200 million gallons per day to its water customers, with a peak demand of 350 million gallons
- MWRA collects and treats an average of 350 million gallons of wastewater per day, with a peak capacity of 1.2 billion gallons





MWRA Water Transmission System

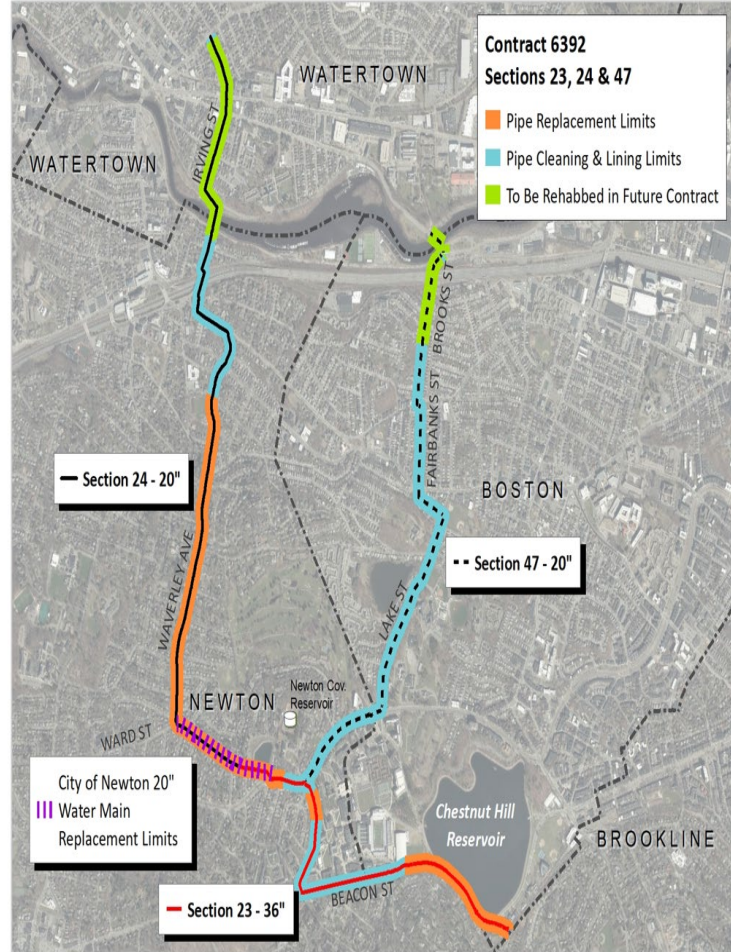
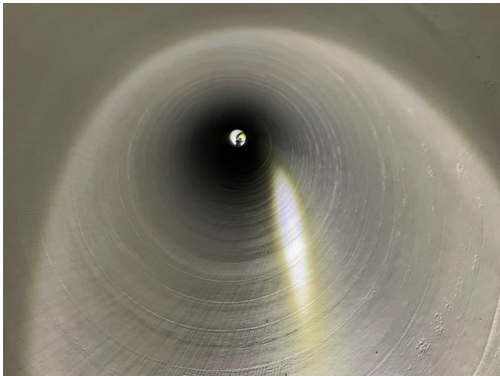
- The Project Area within the MWRA's Water Transmission System:





Project Overview

- Project will rehabilitate cast iron water mains that are over 100 years old
- Project will improve water quality by:
 - Reducing length of unlined cast iron water mains in system;
 - Improve system reliability;
 - Restore hydraulic looping and redundancy;
 - Ensure delivery of high service water to the communities of Boston, Newton, and Watertown



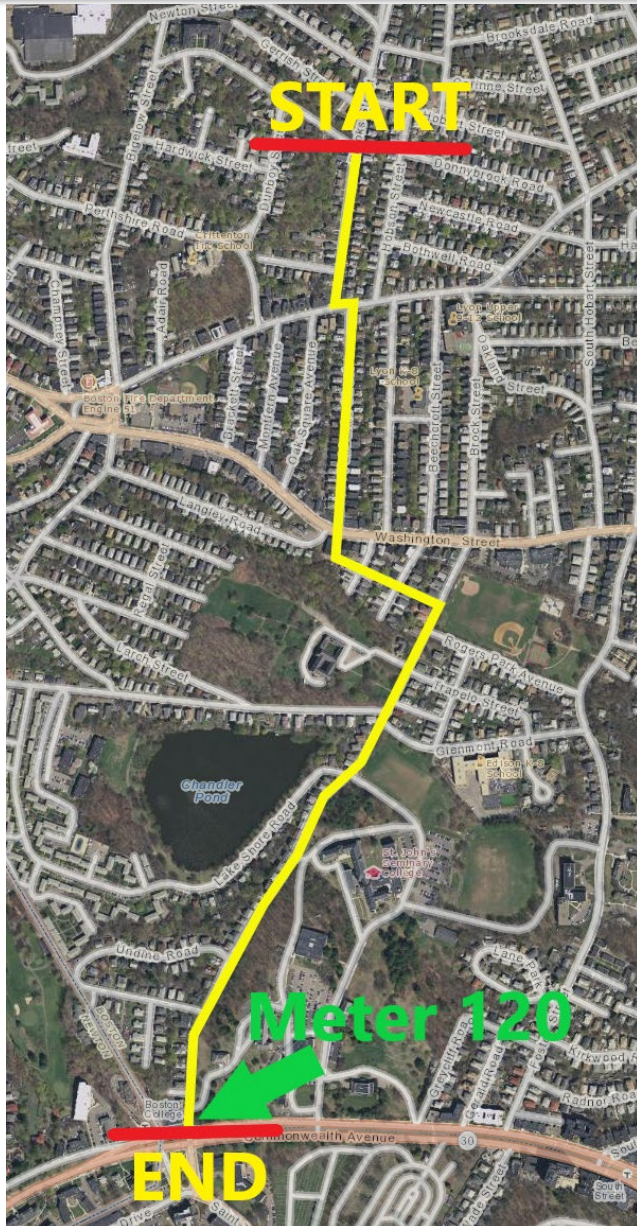


Project's work in Brighton

- Cleaning and cement mortar lining:
 - Approximately 4,500 ft of Section 23 - a 36" diameter cast iron water main;
 - 10,800 ft of 20" Section 24 and Section 47 cast iron water mains;
 - 500ft of 20" steel water main along Section 24
- Installing 3,600 ft of 36" ductile iron Section 23 water main, 6,400 ft of 24" ductile iron Section 24 water main, and new valves and appurtenances, and replacing the check valve assembly at Boston Meter 120
- All work will be performed by MWRA contractor Albanese D&S



Project Overview



Impacted Roadways:

- Brooks Street
- Fairbanks Street
- Washington Street
- Dickinson Road
- Lake Street



Roadway Impacts



** Example Access Pit*

- Pits along roadways will be dug approx. 500ft apart for crews to access infrastructure
- Residents will have access to their driveways at all times
- Police details will be on site to assist residents / direct the flow of traffic
- When not in use, pits will be covered by steel plates to enable traffic to drive on the roadway
- No parking on steel plates

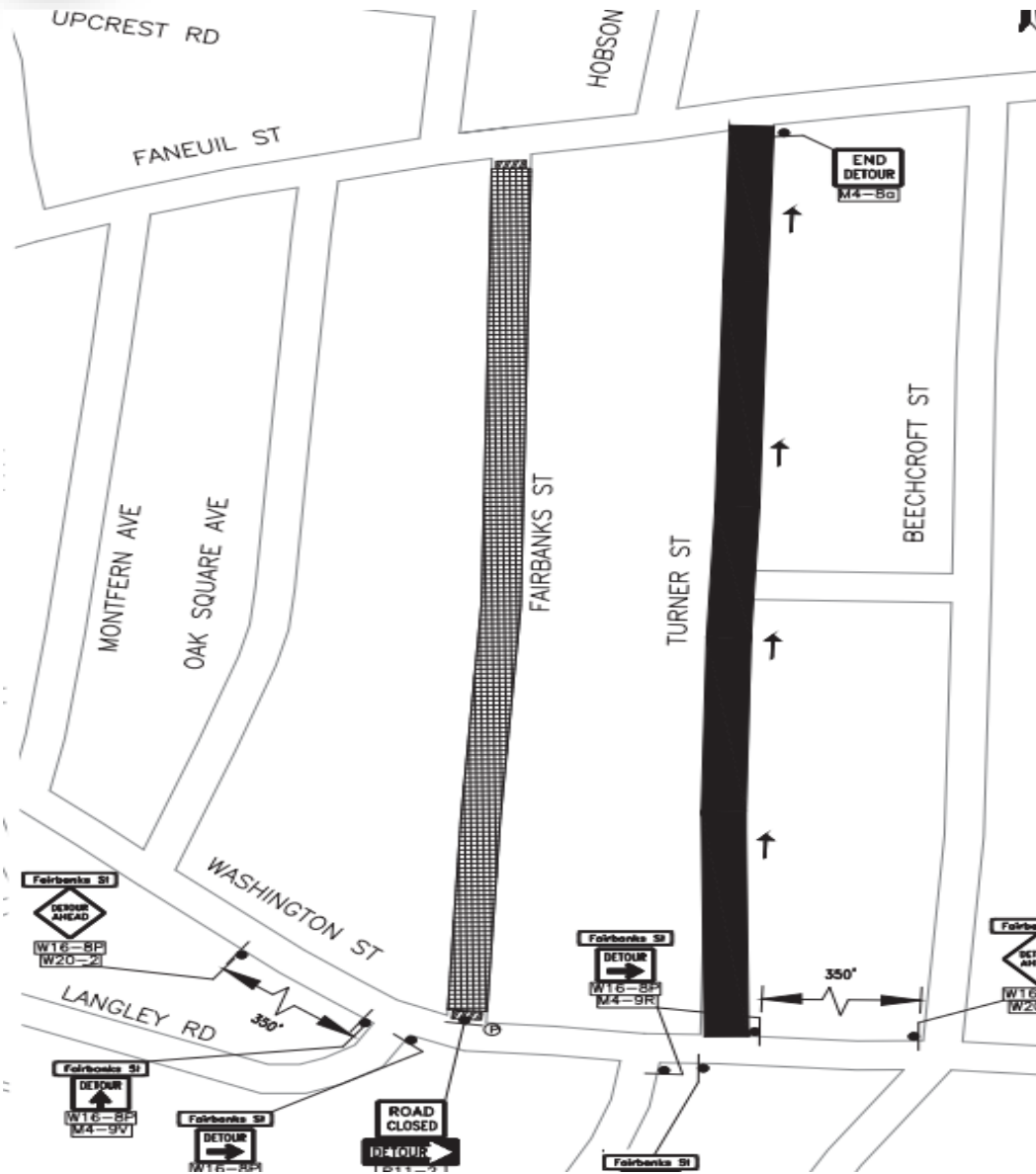


Project Work Schedule

- Hours of construction: 7:00AM-4:00PM; Monday through Friday.
- Digging of Access Pits started on Monday, July 10th
 - Brooks St. (no detour)
 - Rehabilitation work will last approx. 1 to 2 months
 - Fairbanks St. (non-resident detour during work hours only)
 - Rehabilitation work to start after Brooks St. (access pits to be dug ahead of time)
 - Lake St. via Washington St. and Dickinson Rd. (detour during work hours only)
 - Rehabilitation and Meter 120 work to start after Fairbanks St.
- Limited on street parking where access pits are located
- Project is expected to be completed by the end of 2023/early 2024
 - **Project timeline is subject to change**



Roadway Detours – Fairbanks Street



- Fairbanks St. to remain open to residents at all times.
- Through traffic detoured along Turner St.
- During off work hours (nights and weekends), roadway will be open to all traffic.
- Police details will be on site to assist residents.

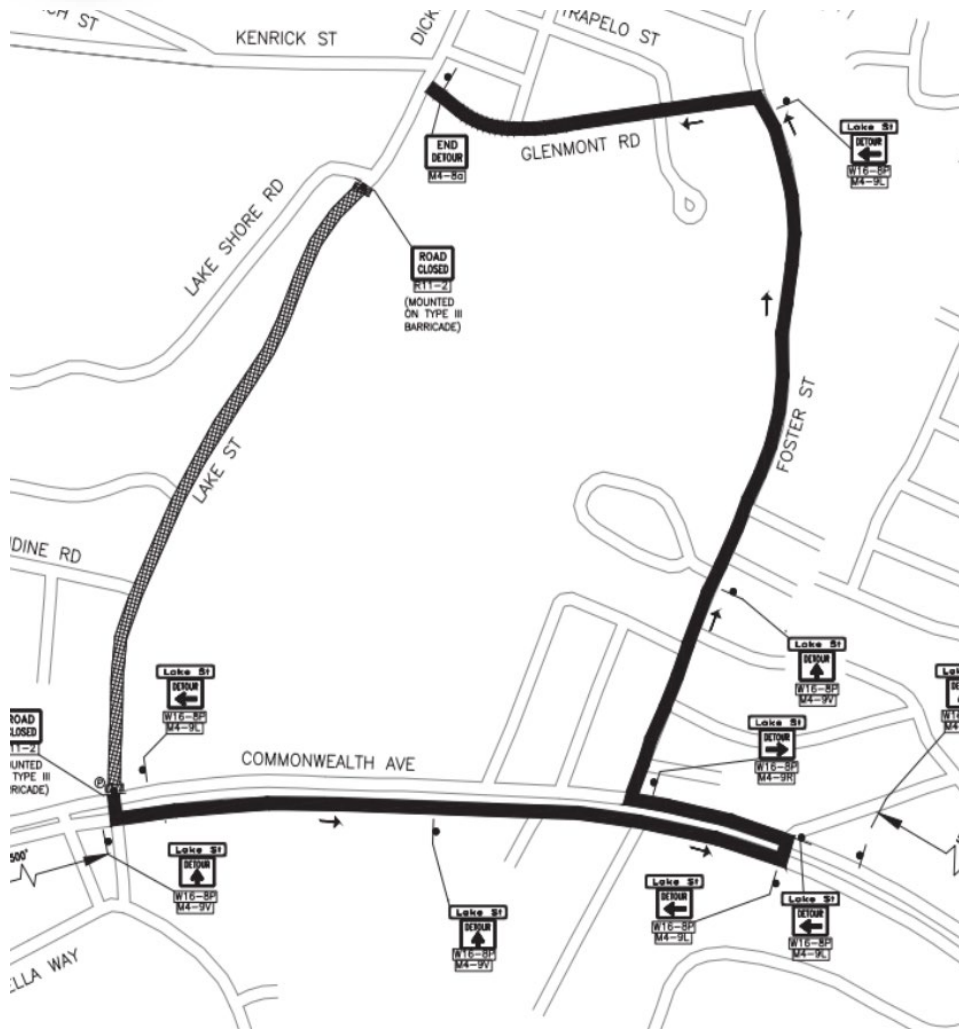


Boston Meter 120

- The Project will also replace the check valve assembly at Boston Meter 120 located at Lake St. / Commonwealth Ave. intersection
- Work will require a Lake St. detour to be in place
- Resident access will be provided at all times
- Current plan is to dig access pits and address Meter 120 work simultaneously to minimize prolonged impact on neighborhood
- Work likely to start late summer / early fall 2023



Roadway Detours – Lake Street



- Lake St. closed to all traffic at Commonwealth Ave. starting late summer / early fall 2023 from 7:00AM – 4:00PM.
- During off work hours (nights and weekends), the roadway will be open to traffic.
- Through traffic to be directed along Comm. Ave. to Foster St. and Glenmont Rd.
- Lake St. residents will have access in reverse direction at Lake Shore Rd.
- Police details will be on site to assist residents.



For More Information


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or

Visit the project page on
www.mwra.com

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Any Questions?