



***Public Meeting Update***

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

***Southern High Pressure Zone Improvements***

September 7, 2023



# MWRA Service Area

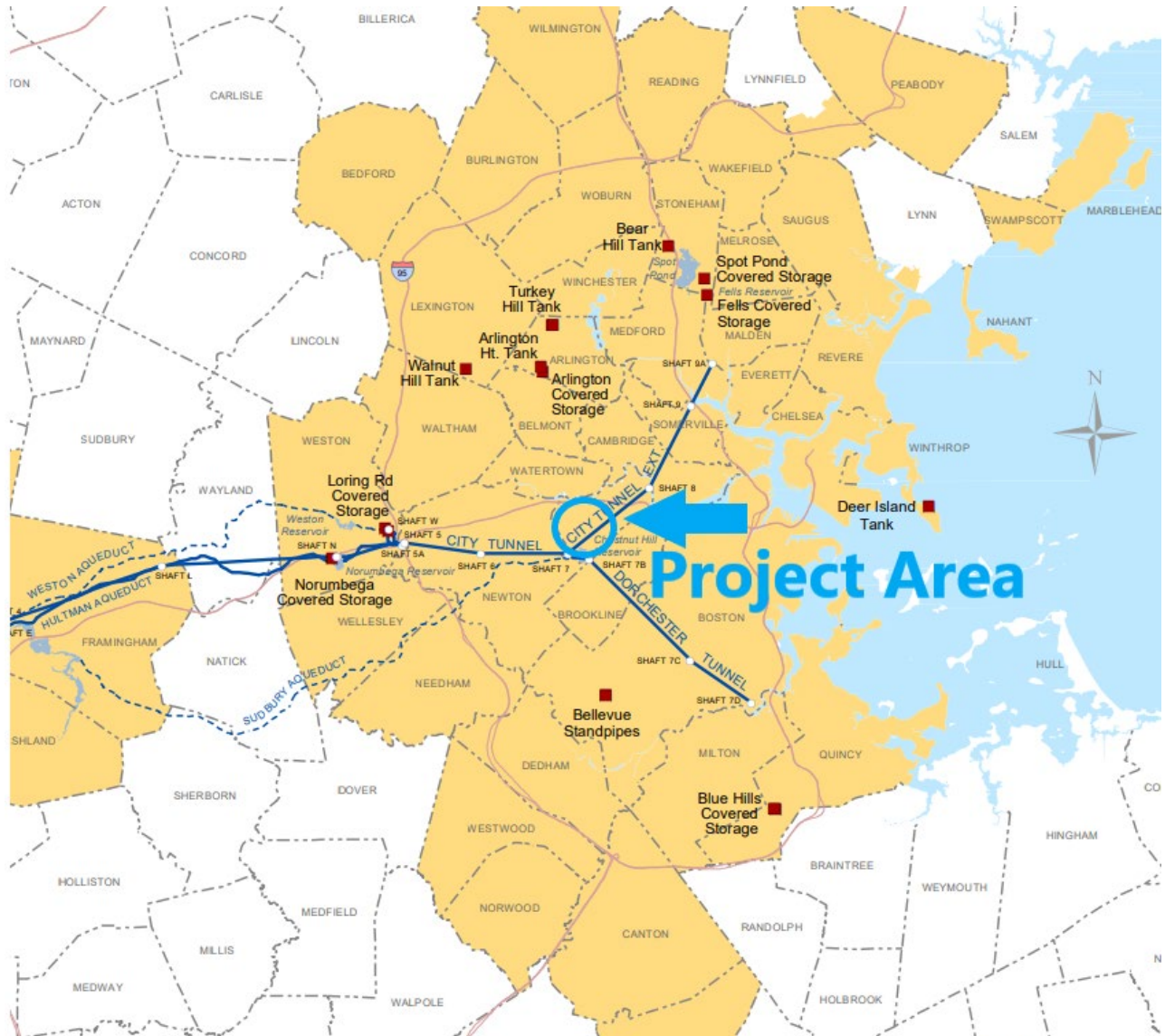
- MWRA provides wholesale water and wastewater services to over 3.1 million customers in 61 communities, including Brighton
- On average, MWRA delivers an average of 200 million gallons per day to its water customers, with a peak demand of 350 million gallons
- MWRA collects and treats an average of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





# MWRA Water Transmission System

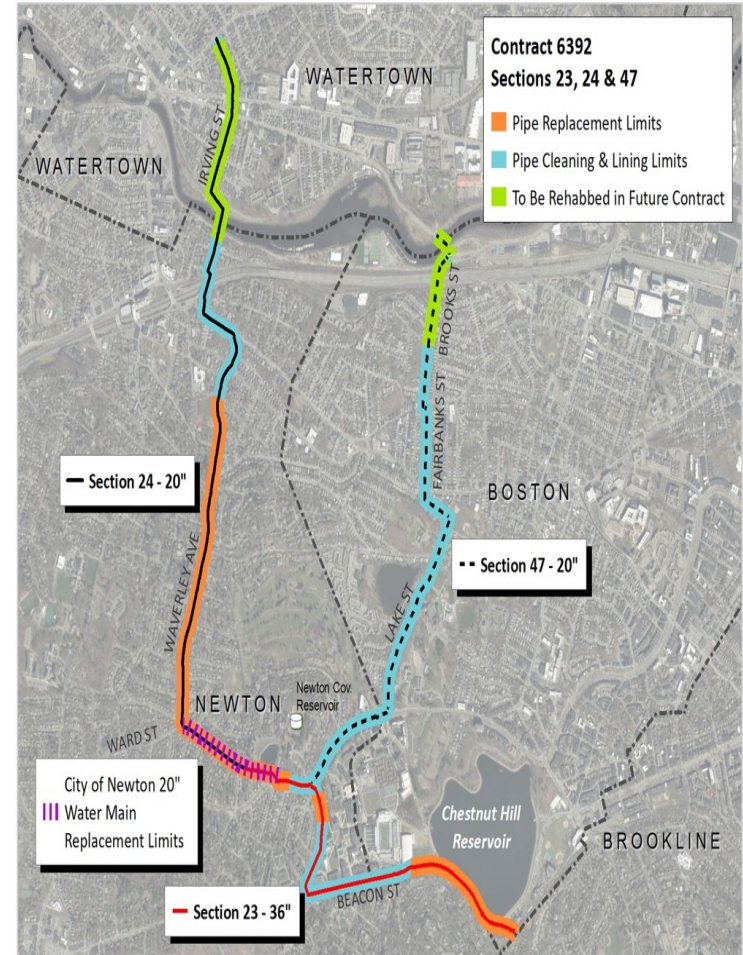
- The Project Area within the MWRA's Water Transmission System:





# 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 started on November 18, 2021, and is expected to be completed in May 18, 2024.



\* Tuberculated Pipe



\* Cement Mortar Lined Pipe



# Project Accomplishments

Project's Completed Work to Date includes:

- Cleaning and cement mortar lining:
  - 4,500 ft of the 36" diameter cast iron water main has been cleaned and lined;
  - 7,000 ft of 20" cast iron water mains has been cleaned and lined;
- The contractor has installed 3,420 ft of new 36" ductile iron water main; 6,100 ft of new 24" ductile iron water main which included installing new gate valves, air valve, and blowoff manholes.



# Upcoming Lake Street Work

- All work will be performed by MWRA contractor Albanese D&S
- Albanese D&S will be continuing to line Section 47 that travels along Lake Street.
- Work completed to now is from Brooks Street to 230 Lake Street.
- Work to be completed at Meter 120 includes new gate vales, air valve assembly and a new check valve.





# Roadway Impacts



*\* Example Access Pit*

- Pits along roadway 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



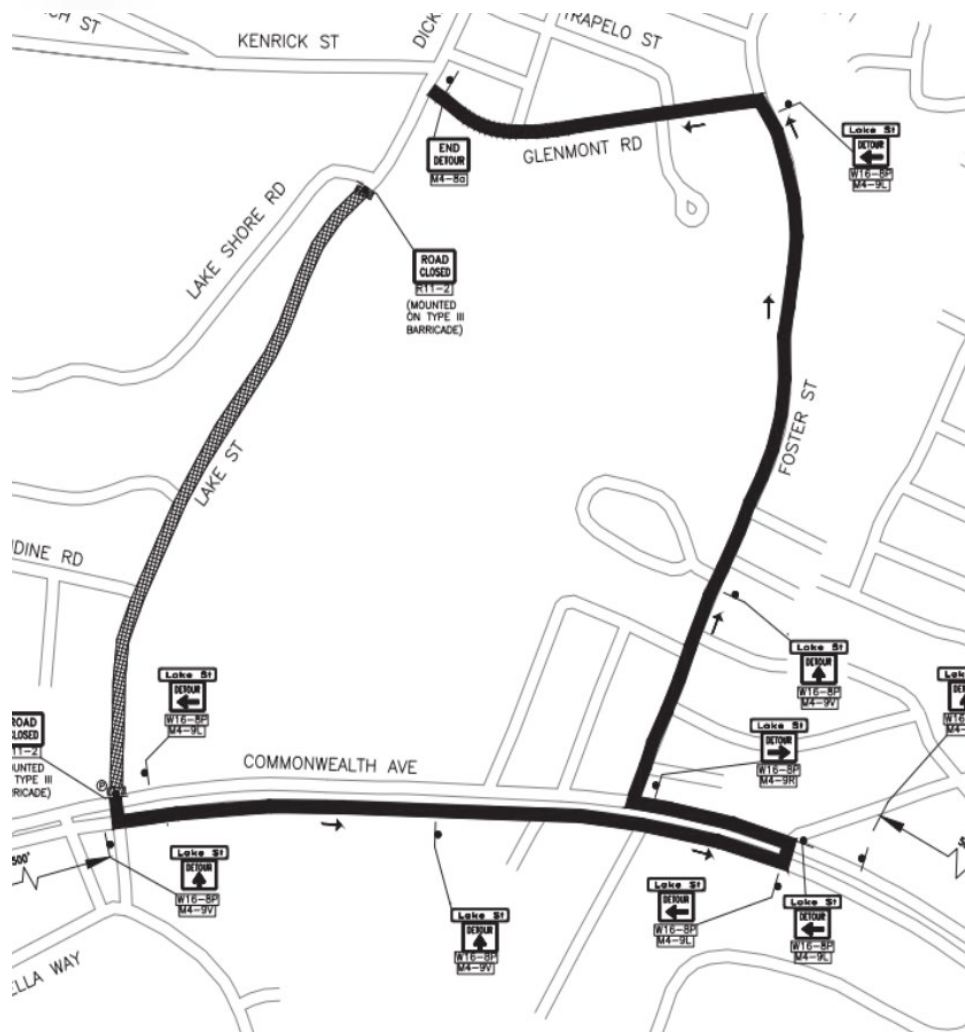
# Lake Street Work Schedule

- Hours of construction: 7:00AM-4:00PM; Monday through Friday.
- Digging of Access Pits will start on Monday, September 18<sup>th</sup> or soon after
  - Traffic Plan is to keep roadway open for the first month of work, which is dependent on underground condition
  - Resident access will be provided at all times
- Rehabilitation and Meter 120 work to start in October 2023
  - Located at Lake St. / Commonwealth Ave. intersection
  - Work will require a detour
  - Resident access will be provided at all times
- The cleaning and mortar cement lining of water main pipeline and rehabilitation of Meter 120 is to occur simultaneously to minimize prolonged impact on neighborhood
- Lake Street work is expected to be completed by the end of 2023/early 2024
  - **Project timeline is subject to change**





# Roadway Detours – Lake Street



- Lake St. detour closed to all traffic at Commonwealth Ave. if necessary and once Meter 120 work begins.
- Detour hours will be 7:00AM – 4:00PM.
- Off work hours (nights & weekends), the roadway will be open at Commonwealth Ave. to all traffic.
- Traffic to be directed along Comm. Ave. to Foster St. and Glenmont Rd.
- Lake St. residents and others doing business will have access in reverse direction at Lake Shore Rd.
- Police details will be on site to assist residents.



## Lake Street Access

- Those conducting business, such as package delivery, will be able to utilize the detour in place. Police details and flaggers will provide vehicular assistance.
- The police and fire departments will have direct access to Lake Street in the event of an emergency.
- Garbage and recycling will be picked up at approximately 6:00AM on Thursday mornings, prior to when the detour is in place.
  - We encourage everyone to get their trash cans and recycle bins out the night before.
- MWRA is working directly with the Boston Public School's Transportation Department to finalize a plan regarding student picked-up / dropped-off along Lake Street.



# For More Information

Contact Troy Wall, MWRA's Community Relations Liaison:

617-305-5762


[troy.wall@mwra.com](mailto:troy.wall@mwra.com)

or

Visit the project page on [www.mwra.com](http://www.mwra.com)

or

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