



Presentation to:

Water Supply Protection Trust

MWRA/DCR Projects

March 9, 2022



River Road

- Repaired road bank at Nashua River
- Repaved the road
- Construction cost \$2,282,000
- Construction February 2021 to January 2022





Lower Gatehouse Bridge Crane Removal

- Removed unsafe bridge crane
- Demolition cost \$347,000
- Removal March 2021 to June 2021





Dam Bastion Repair

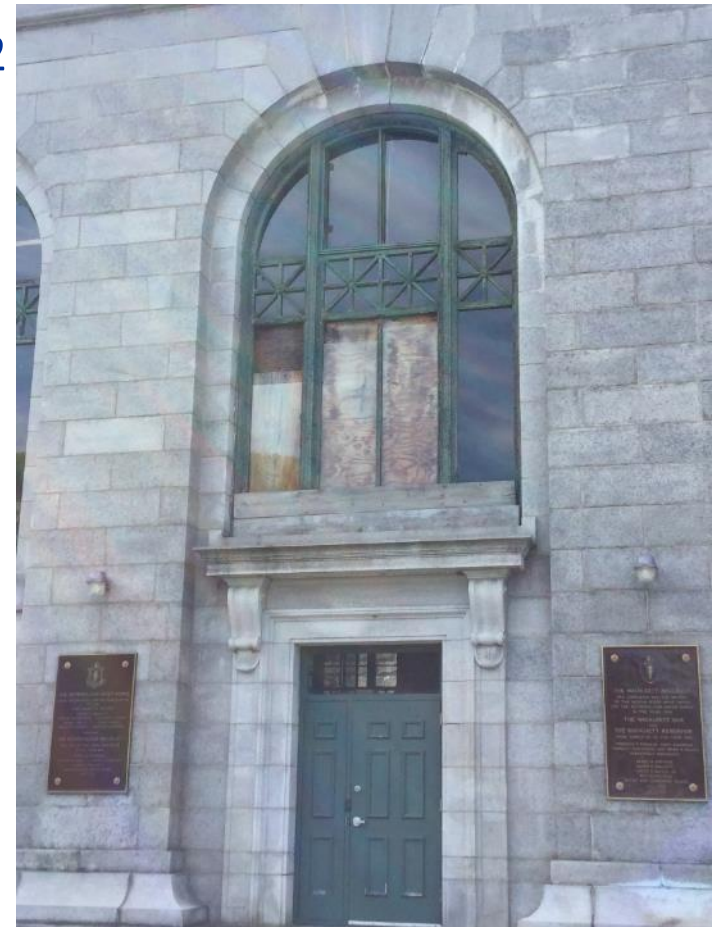
- Replace concrete roof and repair walls
- Engineering and construction cost \$5,130,000
- Construction February 2022 to April 2023





Lower Gatehouse Window and Door Replacement

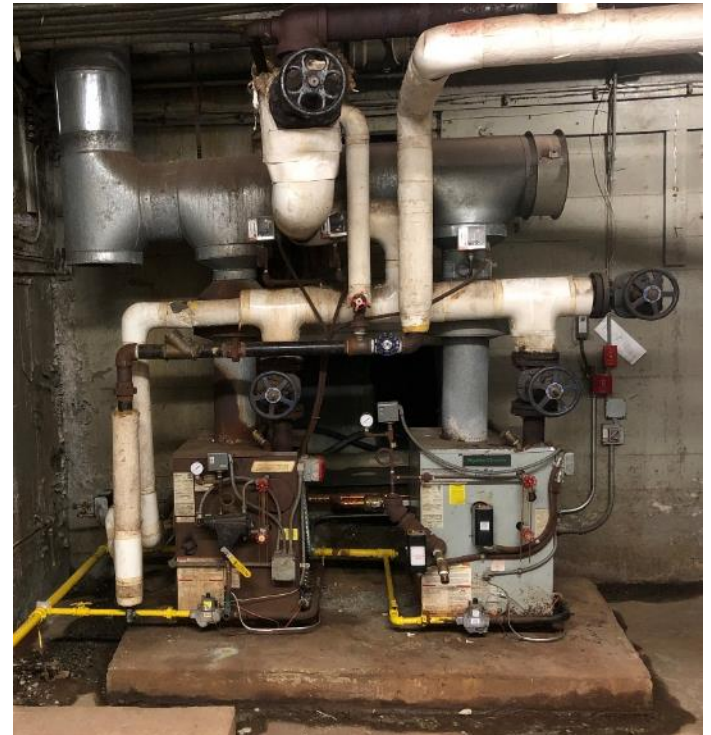
- Replace all old single-pane windows with double pane windows
- Construction cost \$639,000
- Construction October 2021 to June 2022





Lower Gatehouse Pipe and Boiler Replacement

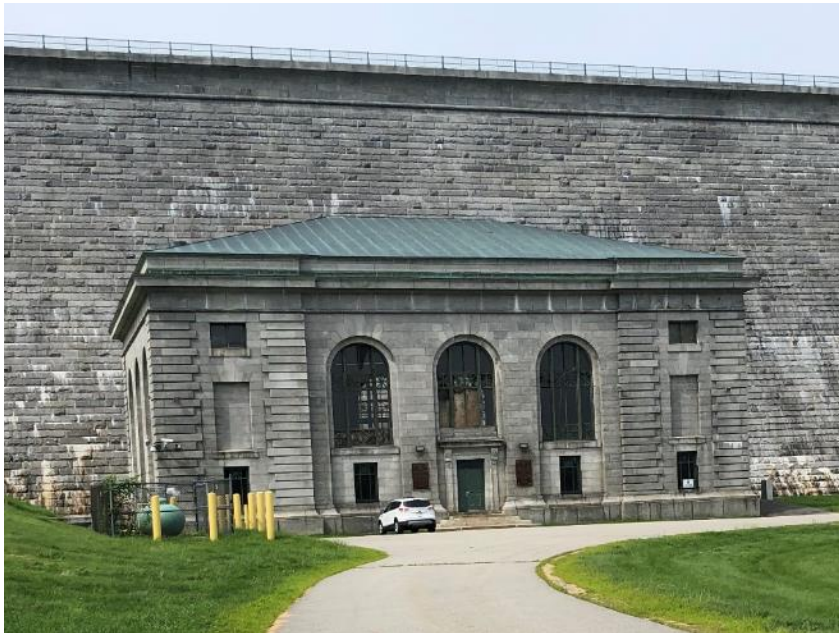
- Replace 1905 era pipe
- Replace heating system boilers
- Engineering and construction cost \$11,400,000
- Construction October 2022 to August 2024





Lower Gatehouse Roof and Repointing

- Replace roof
- Repoint the exterior mortar and reset the stairs
- Construction cost \$350,000
- Construction February 2024 to November 2024





Quabbin Reservoir and Aqueduct

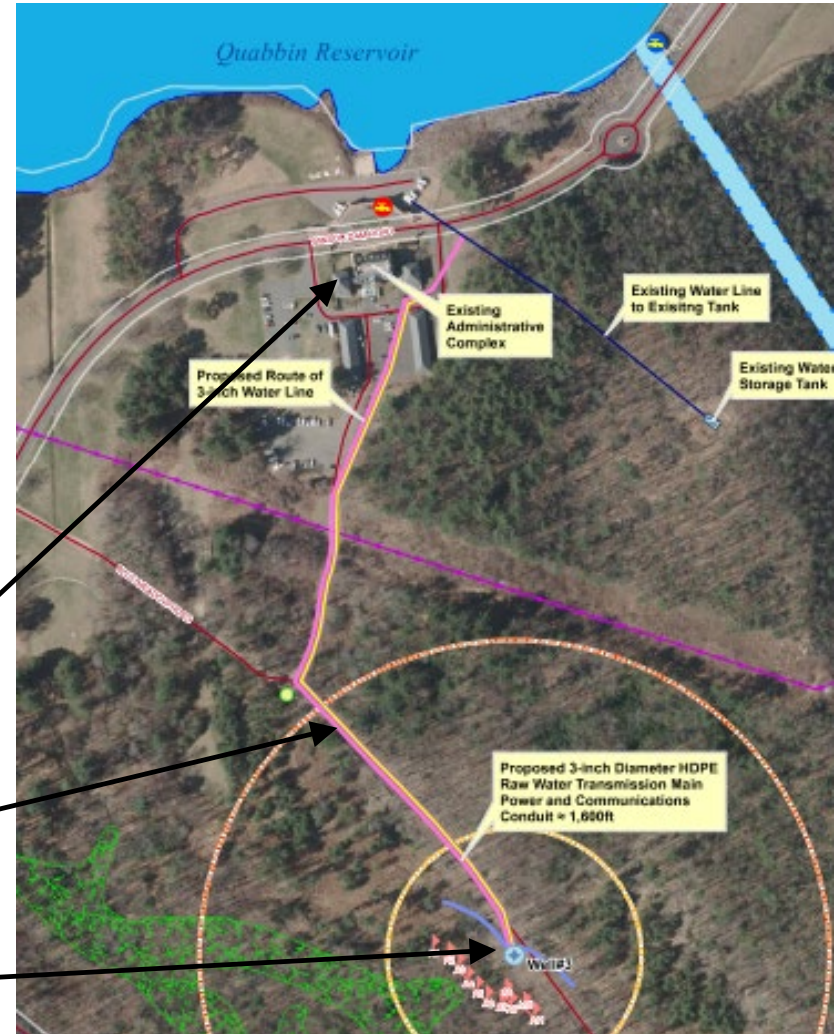
Administration Building Well and Pipeline

- DEP approval obtained for new well in accordance with Consent Order
- New well pump and pipe to be in service by October 2, 2022 per DEP Consent Order
- Engineering and construction cost \$1,119,000
- Bids due on March 24, 2022
- Construction May 2022 to December 2022

Administration Building

Pipeline

New well





Quabbin Reservoir and Aqueduct

Maintenance Building

- Construct 10,000 square feet of floor area for vehicle maintenance, staff and equipment
- Design awarded to RGB Architects in May 2021
- Provide a new water supply
- Engineering and construction cost \$5,218,000
- Construction November 2022 to May 2024





Quabbin Reservoir and Aqueduct

Administration Building Rehabilitation

- Conduct Code Review and design what is required
- Repair the building and bring up to code
- Engineering and construction cost \$15,000,000
- Construction October 2024 to October 2026





Quabbin Reservoir and Aqueduct

Quabbin Cemetery Haz Mat Abatement

- Abatement of lead paint and asbestos on buildings
- Demolition of the well pump house and storage shed
- Construction cost \$105,000
- Construction April 2021 to August 2021





Quabbin Reservoir and Aqueduct

Quabbin Aqueduct Shaft 2

- Replacement of outer ring of deteriorated concrete
- Replacement of fence posts and cast iron vents
- Lead paint removal from manhole frames and covers
- Cost for engineering and construction: \$1,592,000
- Construction June 2021 to July 2022





Foss and Sudbury Dams

- Addition of armoring and turf enhancements to the top of Foss Dam
- Repair of mortar on the Sudbury Dam spillway
- Repair of the Sudbury Dam gatehouse vent pipe
- Cost for engineering and construction: \$2,285,000
- Construction July 2023 to December 2024





Quinapoxet Dam Removal

- Remove the dam and modify the channel to restore free passage of fish and wildlife while managing sediment and protecting water quality
- Cost for engineering and construction: \$1,881,000
- Construction November 2022 to April 2023





Wachusett Dam North Dike Overtopping

- Installation of a parapet wave wall at the Leominster Pump Station and a berm at the end of the dike to prevent overtopping
- Cost for engineering and construction: \$200,000
- Construction January 2023 to June 2023



Berm