

Project Descriptions for July 9, 2025

Board of Trustees Meeting

Loan Commitment to Pine Valley Plantation Cooperative Corporation

Pine Valley Plantation Cooperative Corporation DW-24-59

The project involves the replacement of approximately 4 miles of existing water distribution piping serving 389 units within the PVP Mobile Home Park with a new 4" PVC distribution system. The project will also replace water services to the lots within the development. The goal of the project is to replace the existing system, which is undersized, and was built in phases by different contractors using different materials and fittings, resulting in poor water supply and numerous leaks and failures, requiring significant ongoing maintenance.

Asset Management Planning Agreements

Needham CWA-24-48

Needham Sanitary Sewer System Asset Mapping

The project will develop an advanced Asset Management Plan for the Town's sanitary sewer system, allowing the Town to practice more efficient planning and strategic decision making as well as identify critical assets and assess risks.

Newton CWA-24-37

City of Newton Stormwater AMP

The project is to update the Stormwater Infrastructure Improvement Plan (e.g. Asset Management Plan), the City of Newton DPW will work with a consultant to inventory and assess the current state of the City's stormwater control assets; inventory critical asset attributes, update the existing GIS for these assets; evaluate the level of service (LOS) of these assets in terms of quality, quantity, reliability, and environmental standards; quantify minimum life cycle costs for stormwater control operation and maintenance; and update the long-term funding strategy to incorporate efficient operations and long-term management strategies.

Weston DWA-24-39

Weston Drinking Water Asset Management Plan

The project is to prepare an Asset Management Plan (AMP) to augment previous assessments that were limited to major infrastructure. This AMP includes inventory and assessment of the current state of the Town's water distribution system assets with particular focus on individual pipes throughout the system; update the Town's GIS; evaluate the level of service in terms of quality, quantity, reliability and environmental standards; identify assets critical to sustaining system performance; quantify minimum life cycle costs for critical assets, operations and maintenance; and determine a long-term capital improvement plan to ensure high-level performance and pipe integrity.

Williamstown CWA-24-19

FY2025 Sewer AM Planning Project (CMOM Year 2)

The project is to continue to work on a “living” collection system planning (dynamic) tool that provides a continually updated roadmap for the Town’s collection system infrastructure. The Town views asset management as a streamlined and focused process that aids the Town in defining and prioritizing the capital improvements that are needed within the existing infrastructure. The Asset Management Program maximizes capital investment by prioritizing the capital needs based on the criticality of the asset. This asset management process must be revisited and updated in perpetuity to continue to have a useful planning tool as the Town moves forward in maintaining its infrastructure.

Community Septic Management Program Commitment

Sharon CW-25-10

Sharon Residential Septic Loans 2025

To assist town residents in fixing their septic systems

Community Septic Management Program Agreement

Sharon CWT-25-10

Sharon Residential Septic Loans 2025

To assist town residents in fixing their septic systems

Clean Water Agreements

Boston Water and Sewer Commission CW-24-39

East Boston Sewer Separation Phase IV

The project is to reduce CSO discharges in Boston’s Inner Harbor and Chelsea Creek. It involves five sewer separation projects over an area of 230 acres by constructing new storm drains and allowing the existing combined sewers to function as separate sanitary sewers, or by constructing new sanitary sewers and allowing the existing combined sewer to serve as storm drains.

Boston Water and Sewer Commission CW-24-39-A

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Revere CWP-24-40

Phase 15 Construction - I/I, IDDE, P.S. & Drainage

The project includes the removal of inflow/infiltration (I/I) from the City's sewer system and capacity improvement. Construction will include the redirection of public and private inflow sources discovered during Phase 15 Field Investigations in addition to IDDE source removal, and drainage improvements. Illicit connections, including sump pumps, roof leaders, etc. will be removed from the City's sewer system in order to remove inflow and increase wastewater capacity. Construction will also include pump station improvements (both stormwater and wastewater), CIPP lining, sewer spot repairs, replacements, new sewer lines, cleaning, and additional wastewater metering.

Saugus CWP-24-86

Comprehensive Sewer System Rehabilitation – 2

The project includes comprehensive sewer system rehabilitation in Subsystem 2 in Saugus. Construction will include the rehabilitation of pipelines, manholes, and service laterals necessary to eliminate I/I from the system. Approximately 7,600 feet of 8-inch, 200 feet of 10-inch, and 4,650 feet of 24-inch pipe have been identified as being in need of CIPP in Subsystem 2 to eliminate I/I. Also included in this project will be the installation of a lining system to improve the quality of the service to mainline connection. There are approximately 160 of this type of connection in Subsystem 2. Approximately 60 manholes have also been identified and are in need of rehabilitation. Each manhole will be lined using the latest standards.

Drinking Water Agreements

Auburn Water District DWPEC-24-63

Arsenic and PFAS Removal WTP for South Street Well

The project involves construction of a water treatment plant for the South Street Wells to remove arsenic and PFAS. The arsenic levels exceed the MCL and were removed from service. These wells must be returned to service with the appropriate treatment in place to protect public health, meet compliance with drinking water MCLs and maintain a sustainable water supply for customers.

Franklin DWEC-24-96

Franklin Hayward St. WTP Improvements

The Project involves treatment of iron and manganese in wells 1, 2, 2a, and 2b as well as PFAS treatment at the Hayward St Water Treatment Plant (WTP). A conceptual design for the treatment of PFAs for wells 1, 2, 2a and 2b, as well as future treatment of well 9, are included in the project scope.

Middleborough DWPEC-24-51

East Grove Street Water Treatment Plant

The project involves construction of a permanent treatment system consisting of a two stage process for treating iron in the first stage, followed by PFAS treatment in the second stage. The vessels will be housed in a new building to be constructed at the East Grove Street dug well site.

Norwood DWP-24-48

Bellevue Water Tanks Replacement

The project includes replacement of the 4.0 MG standpipe and 0.5 MG elevated tanks that are beyond their useful life. The tanks will be replaced with (2) 1.5 MG composite elevated tanks. The new tanks will include mixers.

Shrewsbury DWEC-24-72

Home Farm WTP PFAS Treatment Upgrades

The project will expand treatment operations at the Home Farm Water Treatment Plant (WTP) and includes construction of a new building with PFAS treatment equipment for all of the Town's groundwater sources. The new building will include pressure vessels for PFAS treatment, and new aeration towers. The completed project will reduce PFAS concentrations in finished water, allow the Town to utilize the full permitted capacity of groundwater wells with higher PFAS concentrations, and reduce operation and maintenance costs related to pH adjustment and VOC removal. The new treatment equipment will match the 7.0 million gallon per day (mgd) treatment capacity of the existing WTP.

South Grafton Water District DWEC-24-88

PFAS Treatment Plant for Wells #2 and #3

The project is to construct a permanent PFAS filtration plant next to Well #3 that will be sized to treat the combined flows from both wells of approximately 700 gpm. The plant will be a metal building with slab on grade and perimeter frost footings approximately 32' by 45' and operate as a pump through station with filters operating in lead lag configuration.

Stoughton DWPEC-24-91

Pratts Court WTP Improvements

The project is to upgrade the existing Pratts Court WTP by installing new well pumps, slip lining the original well, yard piping to connect new wells, replacing filter media in 3 pressure filters, demolishing 1 pressure filter, installation of 2 GAC pressure vessels, creating a roof penthouse, relocating the potassium hydroxide system, installing a new permanganate feed system, and all associated piping, equipment, electrical, and controls.

Uxbridge DWPEC-24-52**Blackstone Water Treatment Plant**

The project includes construction of a new 1.2 MGD water treatment plant at the Town of Uxbridge's Blackstone well site to remove high concentrations of manganese and PFAS. The new treatment system will include filtration for iron and manganese removal followed by media adsorption for removal of PFAS compounds. Additional upgrades include new chemical treatment systems, piping, and other utilities at the site. Construction of this treatment plant allows the Town to return an offline well to service and reduces the need to limit production capacity by blending of the remaining wells.