

Project Descriptions for October 2, 2024

Board of Trustees Meeting

Asset Management Planning Commitments and Agreements

Deerfield CWA-24-27

FY2025 Sewer AM Planning Project

The project is to continue 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.

Deerfield CWA-24-29

Stormwater Asset Management Plan (Phase 1)

The project will continue work on a “living” stormwater system planning (dynamic) tool that provides a continually updated roadmap for the Town’s stormwater 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.

Middleborough CWA-24-21

Middleborough Wastewater Asset Management Planning

The project will be utilized to field data collection, integration of record information into a digital GIS platform, inspection of pump stations for capital planning, development of a web-based mapping data platform, and development of an Asset Management Plan.

Lead Service Line Planning Program Commitments and Agreements

Lincoln DWL-23-40

Lead Service Line Inventory

The work of this project generally consists of the collection of available records for both utility and privately owned sides of water service lines, development of a lead service line inventory database (which will be made available to the public), preparing a list of unknown service line materials, conducting home inspections of up to 30 properties to confirm material on either side of the meter, and providing a list of service lines categorized as lead, galvanized requiring replacement, or lead status unknown to the Town so that the property owners can be notified after completing the inventory.

Clean Water Commitments

New Bedford CW-23-24

Buttonwood Brook Improvements

The Project consists of improvements in the area of Buttonwood Brook that include the construction of green infrastructure and structural BMPs along Kempton Street and Brownell Avenue, constructed wetlands at the Buttonwood Park Zoo and Community Center, and a culvert replacement at Hawthorn Street. Implementation of this project will result in improved water quality in the Buttonwood Brook and reduced flooding at Fuller Parkway and at the intersection of Brownell Avenue and Hawthorn Street.

Revere CW-23-36

Phase 14 Construction - I/I, IDDE, P.S. & Drainage

The Phase 14 Construction Project will include the removal of inflow/infiltration (I/I) from the City's sewer system. Construction will include the redirection of public and private inflow sources discovered during the Phase 14 Investigations in addition to IDDE source removal, and drainage improvements and pump station improvements (both stormwater and wastewater). Illicit connections, including sump pumps, roof leaders, etc. will be removed from the City's sewer system to remove inflow and increase wastewater capacity. These projects are consistent with the City's CWMP/CSMP and ongoing Consent Decree. Construction will also include CIPP lining, sewer spot repairs, replacements, new sewer lines, cleaning and additional metering.

Clean Water Agreements

New Bedford CWP-23-24

Buttonwood Brook Improvements

The Project consists of improvements in the area of Buttonwood Brook that include the construction of green infrastructure and structural BMPs along Kempton Street and Brownell Avenue, constructed wetlands at the Buttonwood Park Zoo and Community Center, and a culvert replacement at Hawthorn Street. Implementation of this project will result in improved water quality in the Buttonwood Brook and reduced flooding at Fuller Parkway and at the intersection of Brownell Avenue and Hawthorn Street.

New Bedford CWP-23-24-A

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Worcester CWP-23-20**Lake Avenue Pump Station Improvements**

The Project consists of removal and replacement of existing sewage pumps, and their corresponding suction piping, valves, and pipe supports, relocation of equipment not rated for submersible conditions to prevent damage due to flooding, reconfiguration of force mains and modification of backup float system, and installing separate cellular dialing system. These upgrades will improve the response time during an emergency situation, reduce the frequency and severity of SSOs into the adjacent lake, and reduce the maintenance frequency and corresponding cost.

Worcester CWP-23-20-A**Lake Avenue Pump Station Improvements**

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Drinking Water Agreements

Foxborough DWEC-23-118

Chestnut Street WTP Improvements

The Project consists of system improvements to add treatment of per- and poly-fluoroalkyl substances (PFAS) at the Chestnut Street Water Treatment Plant.

Springfield Water and Sewer Commission DWP-23-140

Replacement of Water Treatment – Phase 2B

The Project consists of the construction of a water treatment Plant with new treatment processes including coagulation, flocculation, Dissolved Air Flotation (DAF) and filtration to replace the existing direct filtration and slow sand filtration processes. The DAF as a clarification process will increase removal of natural organic matter to achieve compliance with Disinfection Byproduct (DBP) maximum contaminant levels (MCLs).