

Project Descriptions for October 7, 2020

Board of Trustees Meeting

Community Septic Management Program Commitment

Bellingham CW-19-13

Community Septic Management Program

Asset Management Program Agreement

Ashland CWA-19-22

This project will allow the Town of Ashland DPW Water and Sewer Department to develop an Asset Management Plan for their water, sewer and stormwater systems. The Asset Management Plan will inventory the drinking water, wastewater, and stormwater systems; evaluate and prioritize assets; outline useful life and criticality values of assets; provide replacement costs for each asset; provide a priority list of assets for a five-year period; prepare annual charge system costs for a five year period; update existing asset management software (GIS); provide training on new GIS Software and Field Tablets loaded with GIS programs; perform field assessment for useful life and criticality of assets; outline SWUP

Community Septic Management Program Agreement

Bellingham CWT-19-13

Community Septic Management Program

Clean Water Agreements

Chatham CW-19-47

This Project includes extending sewers to serve portions of the Taylors Pond/Mill Creek, Pleasant Bay and Stage Harbor watersheds. The project is intended to consist of multiple construction Contracts including: Phase 1D-2: Route 137 - Morton Road Sewer Extension Project; the Phase 1-E: Stage Harbor Sewer Extension Project and the Stony Hill Road and George Ryder South Sewer Extension Projects. These sewer extensions will allow the Town of Chatham to continue implementing their approved Comprehensive Wastewater Management Plan (CWMP) and addressing nitrogen loading from septic systems by extending the wastewater collection system to serve properties within the watersheds impacting the Town's coastal estuaries.

Chatham CW-19-47-A

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Fitchburg CWP-20-03

Sewer Separation and Rehabilitation: This nutrient removal project will separate 4,800 linear feet (LF) of combined sewers (the installation of 4,500 LF of new sewers and 1,600 LF of new drains) and the closure of 3 regulators (CSO 007, 039, and 048). The project will include approximately 2,700 LF of sewer replacement and 18,500 linear feet of trenchless rehabilitation to reduce infiltration/inflow upstream of the 3 regulators. This project will reduce nutrient loading to the North Nashua River by removing untreated CSO discharges from the 3 CSO regulators.

Fitchburg CWP-20-03-A

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Kingston CWP-19-46

The proposed infrastructure project involves expansion of the Kingston Wastewater Treatment Plant (WWTP) to create capacity for flows from multiple proposed private housing and economic development projects. Though there are a number of these projects within the Town which are limited by the capacity of the current plant, the largest of these is the redevelopment of the Kingston Collections Mall to support a mixed-use development to include hotel, residential and commercial space. The project will also provide a private, over 55 residential park, the opportunity to connect to municipal sewer. Their private Wastewater Treatment Plant is over thirty years old, evaluated as being in fair condition.

Revere CW-19-40

The Phase 11 Field Investigations, Illicit Discharge Detections and Elimination (IDDE), and Illicit Connection and Sump Pump Investigation Programs are important planning projects for the City of Revere. The investigation programs will include IDDE, CCTV of drains and sewers throughout the City, dye testing, smoke testing, wastewater and stormwater pump station inspections, and inspections of private homes and businesses to identify sources of inflow from sump pumps, roof leaders, roof drains, driveways drains, yard drains and other sources of inflow. The findings of these investigations will be incorporated in the City's future construction projects to address the detected deficiencies.

Drinking Water Agreement**Fall River DWP-17-08-A**

The Phase 17 water main improvements include the rehabilitation or replacement of approximately 16,100 linear feet of cast iron water mains and 30 lead services. A priority of the SRF program is prevention of a potential serious health threat to a major system component. The cast iron mains are severely deteriorated and need to be replaced to ensure adequate flow and capacity for supply and fire protection. Replacement of lead service connections addresses the critical health threat presented by lead in drinking water. The adverse health effects of lead exposure in children and adults are well documented, and no safe blood level threshold in children has been established. Lead exposure causes neurological and cognitive impairments in children and fetuses and can cause high blood pressure and kidney problems in adults. This project will prevent a serious problem in the distribution system and will provide safe and reliable drinking water to customers of the City of Fall River.