

Sewer Department Capital Projects

HVAC Project (FEMA Electrical Retrofit Project)



This project, funded by a FEMA Grant, is part of our Influent and Control Building Upgrades Project. This grant provides for the relocation of the essential electrical and control equipment to the second floor of the Wastewater Treatment Plant for further protection from any flooding concerns. This project will be closed out in November 2023.

Influent Process and Control Building Upgrades Project



This project will replace and upgrade major influent and control building systems including the grit system, the influent pump system, and the electrical system as well as provide structural upgrades to the Control Building. This project is funded by the FEMA Resiliency Retrofit Project Grant, the MassDEP GAP III Influent Pump Efficiency Improvements Grant, as well as the \$9.5M Capital Improvements/Plant Upgrades Bond approved at the June 2020 Town Meeting. This project began in the Spring of 2023.

Ocean Outfall Rehabilitation Project



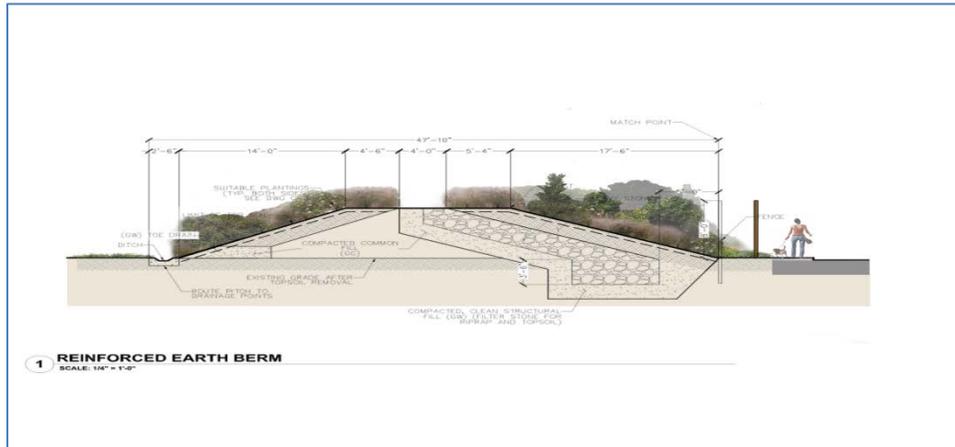
This project will extend diffusers above the ocean bottom and remove accumulated sand, gravel, and sea growth from the Outfall Pipeline. This pipeline was installed 44 years ago. This is a priority project to ensure reliability, public health, environmental integrity, and restoration of outlet capacity since Hull's WWTF serves all of Hull and portions of Hingham and Cohasset. Plymouth County awarded the Town of Hull \$986,803 in ARPA funding for this project. It is scheduled to be completed by Spring 2024.

Pump Station 9 Replacement Project



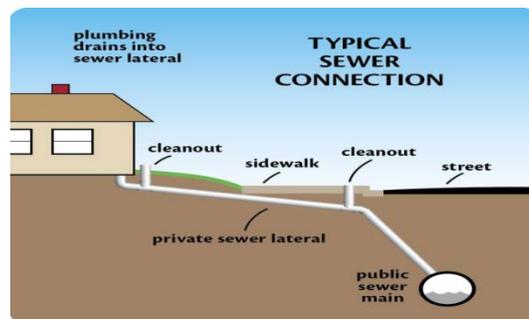
Pump Station 9 is located across from Hull High School, in the municipal parking lot for the Hull Ferry. It was constructed in the 1970s. This project will replace the current station, which is well beyond its useful life, with a new station that meets all current codes and addresses climate change/resiliency measures. (The image above is a rendering of the new Pump Station 9). The Town of Hull was awarded \$2M in Congressionally Directed Spending (CDS) this year which will support the construction phase of this project. This project is currently in the bid phase with construction planned for Spring 2024.

Coastal Resiliency Berm Project



Hull's Wastewater Treatment Plant services 10,673 permanent residents, 5,000 seasonal residents, as well as 791 additional residents in Cohasset and Hingham. It has been determined to be at great risk during flooding events due to its location in a low-lying area of the peninsula. The plant has been impacted by at least eight (8) coastal storms that have caused damage and temporary loss of service to the community. The Coastal Resiliency Berm Project will provide additional flood protection to the Wastewater Treatment Facility using both gray and green infrastructure solutions. This project includes a combination of vegetated earthen berms and gravity walls which will provide a flood barrier protecting the facility. Hull was awarded two Coastal Resiliency Grants from Massachusetts Coastal Zone Management (CZM) in 2020 and 2021 to complete the study, design and permitting for this project. The application for the \$5M FEMA grant for the Coastal Resiliency Berm Project was submitted in December 2022. We are progressing through the grant approval process with FEMA with the expectation of receiving the grant in early 2024, if approved.

Sewer Asset Management Program



The Sewer Department wants to expand their existing Sewer Asset Management Plan (AMP) asset inventory to include lateral sewers in certain older areas, as well as condition assessments of mains and

lateral sewers. An application for a \$150K grant was submitted to the MassDEP in August 2023 for this plan. The program would include inventorying, mapping, and assessing the condition of lateral sewers and mains in certain areas characterized by old, clay sewers in the historic hill neighborhoods in Hull. Many of these areas have lateral sewers that are unmapped and without tie cards, increasing the risk of operators facing challenges locating back-ups when responding to a scene. The laterals in the older neighborhoods are also suspected of contributing to infiltration and inflow (I/I), which the Town hopes to identify for future rehabilitation. The Sewer Department will be notified in February 2024 if this program is eligible for the grant.