

June 30, 2021

Town of Marion, MA – Water & Sewer Commissioners Meeting

Creek Road Pump Station Resiliency Improvements

Status Update

The Marion Public Works Department and its consultant, Weston & Sampson, have completed the design for the replacement of the Creek Road Pump Station (PS). The final design is consistent with the preliminary concepts shared during the March 2021 meeting of Marion's Water and Sewer Commissioners and proposes to replace the existing pump station in its entirety.

The new Creek Road PS will be built on the same parcel as the existing station and is designed to withstand flooding anticipated due to changes in sea level and storm intensity through 2080. The design consists of a below-grade wet well (capable of prolonged submersion) and an elevated structure above the design flood elevation (for critical non-submersible components). The structure will be elevated on cast-in-place concrete columns that are designed to withstand wave loading from storm surge as well as impacts from floating debris. The design supports the coastal/residential style of Marion's community and minimizes visibility of industrial features from the road. The existing PS elements will be demolished.

The anticipated project costs amount to \$2.62 M for construction and associated costs. Two potential funding sources have been identified. The first is the FEMA Building Resilient Infrastructure and Communities (BRIC) grant program which aims to fund proactive projects that improve resilience of infrastructure to natural hazards. BRIC grants are available for the total remaining project costs but require 25% cost match by the Town. The second is the Clean Water State Revolving Fund (SRF) loan program which provides a low-interest loan (typically 2%). The SRF program requires that the Town appropriate local funds for the total loan amount. Due to the uncertainty of award through the BRIC program, the Town will simultaneously pursue funding for project costs from the SRF program. Applying to both sources simultaneously does not affect the likelihood of award or restrict the Town's selection of funding sources should either or both be successful.

Construction of the new PS is not yet scheduled. Optimistically, work would occur from December 2022 through December 2023, but start of construction depends on securing project funding. Sewer service will be maintained throughout construction and impacts to traffic on adjacent roadways will be minimized as much as possible.

Please direct project related questions to:

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*Southwestern face of new Pump Station
(looking from inland towards road)*



*Northwestern face of new Pump Station
(looking from road onto site)*



*Looking southwest from Creek Road
(looking from road onto site)*