

Southern New Hampshire Regional Water Project: Plaistow, NH



Project Update for Design and Construction Phase October 22, 2020 from Underwood Engineers

P1: Water Main Extension

The contractor (DeFelice) has installed watermain up Hale Spring Road, through the four-way intersection, and is continuing to install watermain up Sweet Hill Road. DeFelice has installed 3,700 LF of watermain to date and is working on crossing Sweet Hill Road at Dauntless Lane. Laterals have been installed to Springview Terrace, Smith Corner Road, Palmer Ave, and Cifre Lane and seven hydrants have been installed.

The watermain has been pressure tested from the connection with existing system on Hale Spring Road to the gate valve on Cifre Lane. Approximately 3,150 LF has been pressure tested and is now live. DeFelice has approximately 1,700 LF left to install to reach the top of Sweet Hill Road and the tank.

Although no services have been installed yet, Underwood Engineer's project representative continues to work ahead of DeFelice reaching out to homeowners and staking water service locations. DeFelice has had a cleanup crew closely following behind their pipe laying crew, paving, loaming, and seeding.

Underwood Engineers (UE) received the approved Wetlands Permit waiver application for the watermain installation on East Road from NHDES on October 21st.



Figure 1: DeFelice crossing Sweet Hill Rd at Dauntless Ln



Figure 2: DeFelice working on temporary patches at four-way intersection

P2: East Road Pump Station

UE is targeting a 90% design submittal to NHDES for the end of October. Wetland permit requirements for the pump station are still being discussed with NHDES, US Army Corps of Engineers, and FEMA.

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P3: Sweet Hill Water Storage Tank

The tank has been completely constructed and painted. DN Tanks demobilized and left the site on October 7th.

The contractor, HAWSCO, has begun working on yard piping and utility installation. Watermain has been installed from the valve building to the driveway entrance and electrical conduit is being installed this week. HAWSCO has also installed all the piping in the basement of the valve building.

The valve building is under construction. The mason is onsite and has installed all the CMU blocks. The mason is working on the dampproofing, insulation, and masonry veneer for the rest of the month. The carpenters are expected to be onsite the week of the 26th to work on the trusses and roof of the valve building.



Figure 3: Valve Building Unit Masonry



Figure 4: The Completed Tank

P4: Water Service Connections

The week of October 12th UE sent out informative letters to 22 MtBE property owners who had not been contacted by UE to schedule plumbing inspections for a water service connection. UE also started inspections with property owners again the week of the 12th.

Underwood Engineers has completed 5 plumbing inspections this month, in addition to the 45 already completed. There are 8 more plumbing inspections scheduled for the next two weeks. UE will continue

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coordinating with the owners of the remaining MtBE impacted properties this Fall to schedule plumbing inspections and design a proposed water service connection to each property.

Other Project News:

Underwood Engineers is working on an RFP for the Town for contract operations. UE's investigations into SRF funding to assist financing of service connections are anticipated to be completed by the end of the year.

A handwritten signature in black ink, reading "Eugene Forbes". The signature is written in a cursive style with a horizontal line underneath it.

Eugene Forbes, PE
Project Manager

October 22, 2020