



MEMORANDUM

DATE: June 2, 2015
TO: George Kathios
FROM: David Press, David Peterson
CC: Dana Lee, Eliot Town Manager
SUBJECT: Kittery Infrastructure Improvements & Sewer Extension Projects
Progress Report for the period 4/25/2015 through 5/24/2015

This Memorandum serves as a status report of work completed in May and work anticipated to be completed in June 2015 for the Kittery Infrastructure Improvements Project and the Sewer Extension Project. We suggest you share it with the Town Manager, Town Council, and others.

WASTEWATER INFRASTRUCTURE IMPROVEMENTS CONSTRUCTION SERVICES

Note that there are two subprojects under this improvement project:

- 1) upgrades to two of the Town's 21 pump stations - Pump Station Nos. 6 and 8
- 2) upgrades to the wastewater treatment facility and to the Town's other 19 pumping stations

The following work was completed during the period ending May 24, 2015:

- A. Pump Station 6 & 8 Construction
 - Coordinated the Electrical subcontractor's installation of thermal overload sensor wiring in the pump motors at Pumping Stations 6 & 8

- B. Water Pollution Control Facility and Pump Station Construction
 - Attended a construction progress meeting with the Town and the Contractor on May 1, 2015
 - Received and reviewed the Contractor's submittals for the air and liquid valves, stainless steel and galvanized steel pipe, ductwork in the new septage facilities, ventilation fans, overhead doors for the Control Building and new garage, and the steel beam in the headworks building.
 - Reviewed and accepted the Contractor's conceptual proposal to provide a custom constructed housing for the grit screw hydraulic power pack and the relocated grit blowers in lieu of the specified enclosures.
 - Reviewed and processed the contractor's Pay Requisition No. 7.
 - Visited the WPCF on May 19 to observe the reinforcing steel for the garage floor.
 - Provided coordination between the Contractor and our electrical engineer for installing wiring for the septage unit and the garage fire alarm.

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- Reviewed and responded to Requests for Information (RFI) Nos. 11 – relocated plant generator; 12 – wiring at the new equalization tank VFD's; 13 – enclosure for the relocated grit blowers; and 14 – steel beam in the Headworks Building.
- Provided resident representative observation of the contractor's work
- Began the process of licensing the proposed plant generator through Maine DEP

During June 2015, the following activities are anticipated:

- A. Pump Stations 6 & 8 Construction
- Punch list painting at Pump Stations 6 and 8, painting at Pump Station 7, and field check of paving at Pump Station 6
 - Process Change Order No. 4 for wiring pump motor thermal overloads to the motor control centers.
- B. Water Pollution Control Facility and Pump Station Construction
- Review resubmittals of the Headworks steel beam and air valves
 - Attend the monthly construction progress meeting
 - Observe the grit classifier installation in the Headworks
 - Provide resident observation of the contractor's work
 - Coordinate between the Contractor and our electrical engineer for installing wiring for the septage unit

SEWER EXTENSIONS PROJECT CONSTRUCTION SERVICES

The following work was completed during the period ending May 24, 2015

- Main line sewer installation is complete on Route 236, Dana Avenue and portions of Martin Road.
- Sewer services to properties are complete on Route 236. Service installation on side streets are to begin in the coming period.
- Ledge removal within the roadways is mostly complete.
- Kleinfelder continued to review shop drawings and RFIs as they are submitted by Sargent.
- Kleinfelder and Sargent are coordinating with CMP for possible adjustments to the sewer and force main alignment within the east and west utility corridors.
 - Per change order #1, the 10" force main is proposed to be installed through a CMP parcel. The Town is obtaining an easement from CMP for this.
 - Two sections of ledge were identified in conflict with the proposed sewer on the west cross-country run. Possible alignment changes to avoid the ledge are under consideration.
- Sargent has made good progress to obtain permission to use land as laydown area for the horizontal direction drill. Private land on either side of I-95 is necessary. To date, the owners (Bill Cullen and Linde Gas Corporation) have been very agreeable.
- Three potential change orders have been documented during this period including:

- Provision to install trench dams, where needed, to prevent transmission of groundwater and localized flooding. Decision regarding where to install trench dams will be made in the field.
- Change out of pipe insulation from pre-wrapped pipe to Styrofoam board insulation was approved.
- Decided to add a safety handrail along the Martin Road PS retaining wall.
- The second monthly construction meeting was conducted on May 28, 2015. Kleinfelder developed an Agenda and transmitted it to all parties.

During June 2015, the following activities are anticipated:

- Continue main line and sewer service installation.
- Final paving of Route 236 is scheduled for early June.
- Clearing operations within the cross-country portions of the work are scheduled to begin in June.
- Kleinfelder's Resident Project Representative will remain on site throughout the duration of construction.
- Continue to review shop drawings and RFIs as they are submitted by Sargent.
- Continue to work with CMP to obtain an easement east of I-95 for the sewer force main.
- Provide documentation for compliance with SRF funding.
- Review payment requisition #2 and make a recommendation to the Town for payment.
- Develop minutes from the May 28, 2015 construction meeting and distribute.
- Monitor rock quantities and the status of the construction contingency in order to make a determination whether or not the Town should restore the remaining work in Stevenson Road to the Contract.