
B. Work to be Accomplished next month:

The Contractor anticipates that some of the treatment plant equipment will arrive on-site during the week of February 26th. The Contractor plans to install the first coat of the epoxy coating on the floor. (It was noted that the second coat of epoxy will be installed toward the end of the job to avoid damage. The sanitary sewer service will be installed prior to the next progress meeting. The Contractor was reminded to coordinate the road closure with the school and fire department next door since it may impact their response times.

Additional work may be conducted to construct the chemical feed containment and plywood panels to be installed within the electrical room.

3. Change order status.

The Engineer noted that for concurrence by *NCDEQ-DWI, the Owner and Engineer* with **Change Order #1** has been received related to item "a" below:

a. **Change Order #1** includes the following:

- i. During the facility's layout, it was determined that the existing 12-inch sanitary sewer line is on the opposite side (easterly) of Hardison Drive. The Contractor has proposed extending the line across Hardison Drive and connecting the 6-inch sanitary sewer to the existing 12-inch gravity sewer with a service lateral. Additional costs include the service lateral, saw cut and removal of the asphalt pavement, excavation, installation of the additional pipe, backfill, compaction, and pavement installation. The Eligibility Determination for Change Order #1 has been received from NCDEQ-DWI dated September 22, 2024.
- ii. As indicated at the last progress meeting, the Town has elected to change the fuel source for the proposed generator from diesel to natural gas. The Town has contacted Piedmont Natural Gas, and they have quoted the Town \$1,933.20. The quote was forwarded to Mr. Jim Morrison to determine if the item is a project-eligible cost, and he indicated that it checks the boxes to be covered by the grant funding.

b. **Change Order #2** includes the following:

- i. **Change Order #2a** for **\$12,389.25** The Engineer noted that **Change Order #2a** has been submitted to include the additional cost of changing the generator from diesel to LP gas of **\$12,389.25**. (note: Town will pay North Carolina Natural Gas directly from the grant proceeds provided concurrence is received from NCDEQ-DWI. Reimbursement to the Town will be included in subsequent reimbursement requests submitted to NCDEQ-DWI.
- ii. **Change Order #2b** The Contractor has also submitted a change order request for additional costs incurred by the elevated tank located on the site, which overflowed several times, flooding the footing excavations. The Contractor needed to pump the water from the footing excavations of these on numerous occasions. The proposed Change Order for this item is **\$5,861.63**.
- iii. **Change Order #2c** The Contractor has submitted a change order to add the epoxy coating on the operating floor of the new facility at the request of the Owner. The proposed Change Order is for **\$18,383.31**. The floor coating will be installed in two coats, with the first coat being the prime coat to be applied prior to installation of the equipment. The second coat will be installed

near the end of the project to ensure the coating is not scratched during the installation of the equipment.

iv. These change order #2 items ***shall not*** be included in the Contractor's Application for Partial Payment until the final approval of the Change Order is obtained from NCDEQ-DWI.

c. **Change Order #3** has not been issued but will require pricing from the Contractor, with concurrence from the Engineer, Town, and NCDEQ-DWI. Well, house # 2 has fallen in disrepair but is available to operate manually if needed for an emergency. The well is needed to operate in automatic mode during the construction of Well #1 to provide water to the Town. The Town has indicated the well house is most likely beyond repair and should be replaced with a small FRP pre-wired building that is delivered complete with lights, a 110vac receptacle, exhaust fan, and unit heater. It shall include the replacement of any control wiring between the well and the water treatment facility. Based upon the schedule and parts availability (approximately one week), we recommend that NEMA 1 electrical boxes be installed inside the new FRP building. In order to install an outside electrical rack will require the installation of NEMA 4X stainless steel boxes, which currently have a lead time of 48 weeks.

4. Shop Drawing Status

- The Engineer and Contractor noted ***no outstanding shop drawings*** from the Engineer and/or Contractor at this time, with the exception of the coating of the separated treatment units and piping, except those items mentioned at the progress meeting conducted on February 21, 2024, by the Town, Contractor, and/or concurrence by the Town, Engineer, and NCDEQ-DWI.

5. RFI Status

- The Engineer noted there are no outstanding Requests for Information at this time.

6. Major Equipment Delivery Status

Mr. Nick Brown with ETUCS indicated again the anticipated delivery time of the proposed equipment as follows:

- The Reverse Osmosis (RO) treatment System and Controls** and Generator have not changed since the information was given during the last progress meeting. Mr. Brown noted that the Generator delivery remains at approximately 52 weeks from the approval of the shop drawings.
- The Stainless Steel Dechlorination Tank:** The shop drawing for the dichlorination tank has been approved and returned to the Contractor to coordinate the manufacturing with the tank vendor.
- Greensand Filters:** The shop drawings for this item have been approved and will most likely be delivered with the RO is delivered.
- Clean and Place System (CIP):** It is anticipated the CIP system will arrive within a short time, either before or after the arrival of the RO System.
- Chemical Feed Pumps and Storage:** It is anticipated the chemical feed equipment will arrive sometime in late may to early April.
- The pre-cast building for well and appurtenances:** The Contractor indicated that the pre-cast Concrete building is complete and is awaiting a delivery time from the General Contractor. It is anticipated the unit will be delivered in April.

7. Pay Request Status

The Contractor has submitted three payment requests, all three of which have been sent to NCDEQ-DWI for review and payment to the Town. The Engineer noted that Bobby Blowe with Municipal Engineering has been working with the agency to get these paid. NCDEQ-DWI has requested another resolution be submitted along with the executed offer and acceptance letter. The Town Board met immediately after the progress meeting and passed the needed resolutions. Mr. Brown requested that the Town notify ETUCS once the check was ready, and they would have someone pick it up. He also inquired as to the process for payment. Mr. McAllister explained the process for payment. The Controller's office will pay the Town by Electronic Fund Transfer (EFT), and the Town will have three business days to issue a check to the Contractor. The Contractor noted that the next Payment Application would be sent to the Engineer the following week.

8. Contractor Concerns/Questions

Mr. Brown noted they plan to install the first coat of the epoxy floor next week. Therefore, no work may be conducted within the Pre-Engineered building until the epoxy cures in accordance with the manufacturer's recommendations. The second coat will be installed once the construction is complete and all equipment is installed. The reason for this is to avoid wear during the active construction phase.

The Contractor has noted he would coordinate with the Town the "pig-tail" connection to a manual transfer switch for the existing generator. The purpose of this is to provide temporary power while the Town awaits the delivery of the new generator at the main building. The Contractor shall work with North Carolina Natural Gas to coordinate the location of the proposed gas meter.

9. NCDEQ-DWI Questions/Concerns

Mr. Jim Morrison with NCDEQ-DWI attended the meeting and noted he would attempt to locate the paperwork (change orders) previously sent to the funding agency.

10. Owner Concerns/Questions

Mr. Lilly inquired about the installation of an altitude valve to prevent tank overflows. Mr. McAllister noted that the altitude valve would not be used. The facility would include a pressure transducer located on the existing elevated tank, which will connect to the proposed SCADA that will cut the pumps off when the tank is full.

The sequence of the construction was discussed again, primarily regarding the demolition of the existing pre-engineered metal building, which contains the existing filters and well #1. The Engineer noted the building would be demolished, and a new pre-cast concrete building would be installed over the existing well and piped to the system. The Engineer noted the facility would need to rely on well #2 while this work is being completed.

Mayor Tucker asked if the Contractor planned to install an epoxy coating on the concrete floor. The Engineer noted that an epoxy coating was not part of the project scope as bid. The Contractor will provide the cost for applying the epoxy, and the Engineer will ask NCDEQ-DWI if this item is eligible for funding under the grant.

The Town indicated the desire to conduct a ribbon-cutting at the new facility once the completion date can be defined, tentatively scheduled in mid-May 2024.

11. Engineer Concerns/Questions

Mr. McAllister noted he was pleased with the progress to date and the quality of the workmanship.

12. Misc. Questions

None

13. Next Progress Meeting

The Engineer noted the next meeting is scheduled for March 20, 2024.

14. Adjourn

Many thanks to all who attended the meeting today, and we look forward to the next meeting in March.

Submitted this the 29th day of February 29, 2024

Michael L. McAllister, M-ASCE
Principal Project Manager

