

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from November 1 through November 30, 2018:

Projects in Construction

Contracts 17-1 and 17-2: WWTP Headworks Improvement Project (007608.0440):

Contract 17-1 submitted an Application for Payment (AFP 17) that was held until final completion of the project. The Final Application for Payment approved last month (\$98,786.45) did not include the held amount. At this time we recommend that the Authority approve Application for Payment No. 17, as submitted by Walabax Construction Services, Inc., in the amount of \$53,317.40 for Contract 17-1 (General Construction).

Contract 17-2 has completed the punch list. They have not submitted a Final Application for Payment.

Pumping Solutions Inc. submitted a Claim for the denied change order proposal on October 1, 2018. The Claim is for costs associated with delay of project caused by General Contractor. The Change Order for these costs was denied on September 5 and no additional supporting documentation was provided. Therefore the claim is being denied in its entirety. PSI has requested a meeting with the Authority to discuss their claim in accordance with the Contract Documents. We recommend that the Authority authorize two Board Members to meet with PSI, HRG, Mike, and Ross on behalf of the Authority. If authorized, HRG will schedule the meeting.

2017 Sanitary Sewer System Repairs (007608.0436):

Remaining work includes epoxy lining of two (2) manholes and miscellaneous items for final clean-up. Equipment issues have delayed the completion of this work. The Contractor has not yet given a schedule for completion.

A Certificate of Substantial Completion was issued to the Contractor on October 19, 2018. The date of Substantial Completion was September 26, 2018 and the Contractor is currently five (33) days past the deadline for Final Completion. No additional costs have been occurred as a result of the delay.

Contract Nos. 17-3, 17-6, and 17-7 Anaerobic Digester Replacement (007608.0433):

Contract 17-3 continues work on the new Primary Digester Tank, Primary Digester Cover erection, and process piping within the tank and Operations Building. Work on the testing, coating, and installation of the Primary Digester Cover was completed. Raw (Primary) Sludge Pump installation and start-up has been completed. Start-up of the boiler/sludge heat exchanger is expected to begin the week of December 3rd; start-up of the Sludge Recirculation Pumps is expected to begin the week of December 10th; and start-up of the Digester Gas and Safety Equipment is expected to begin the week of December 17th. Final connection of the gas service line is expected to be completed on November 30th.

Contract 17-6 continues to install conduit and wiring of equipment within the Operations Building and assisted in start-up of the Raw Sludge Pumps. .

Contract 17-7 continued work on the boiler and heat exchanger ventilation in preparation of the start-up of the combination boiler and heat exchanger.

Job Conference No. 10 was held on November 14, 2018. A copy of the minutes were posted to EADOCS.

Risk items for changes in cost and/or contract time have been identified and are provided below:

1. The location of the existing SU/6 pipeline was identified by the Contractor to be a changed condition from that as shown on the Contract Drawings and request a Change Order for the work involved in the removal/reinstallation of this line. Actual costs are not known at this time; however, Contract 17-3 is working on a change order for this work as well as the resulting change to the Waste Gas Burner drain location (due to depth of SU/6). We expect to have the change order prepared for the January 2019 Authority Meeting.

We recommend that the Authority approve Application for Payment No. 11, as submitted by Eastern Environmental Contractors, Inc., in the amount of \$279,263.25 for work completed through November 15, 2018 for Contract 17-3 (General Construction).

We also recommend that the Authority approve Application for Payment No. 10, as submitted by Garden Spot Electric in the amount of \$85,500.00 for work completed through November 14, 2018 for Contract 17-6 (Electrical Construction).

Contract Nos. 17-8 and 17-9: Enhanced Chemical Addition Project (007608.0432):

The substantial completion punch list items for Contract Nos. 17-8 and 17-9 have been completed.

Final closeout documents will be provided to the Authority when finalized. The final reimbursement request will be submitted to PA DCED upon receipt of the cashed checks from the Bond Trustee.

Other Projects/Tasks

Pump Station Phase II Improvements (007608.0442):

The Subdivision and Lot Consolidation Plan for the Downing Avenue Pump Station was completed and submitted to the Township and County for approval. A pre-bid meeting was held on November 14th. The bid opening is scheduled for December 11 at 1:00pm.

During review of the two parcels needed to be consolidated to meet the Township's storm water requirements, it was determined by the Township's Solicitor in 2016 that the Authority doesn't own the rear parcel behind the existing pump station. In 2016, the Township's Solicitor had recommended action to obtain the parcel. The information was recently sent to the Authority's Solicitor for review.

Pump alternatives for the Westtown Way Pump Station have been provided to the Township Staff for review and selection. A meeting was held on November 28 to review several applicable installations using various pump configurations for Fairbanks Morse Pumps. A similar meeting is scheduled for December 19 to review Flygt equipment. Once the pump selection has been made, we will continue work on the preliminary design.

We are awaiting information from the temporary flow meters and pressure gauges in order to obtain actual pumping conditions (flow and head) at the Washington Street and Fern Hill Pump Stations. Once obtained, we will be able to finalize our model and identify if there are any significant downstream impacts to upgrading the capacity of the Taylor Run Pump Station.

An easement exhibit has been prepared to obtain an easement from West Chester Borough for installation of a new transformer for providing power to the Station.

WWTP Phase II Improvements / TMDL (007608.0442):

The Water Quality Part II Permit Application was submitted to PA DEP by the required October 30, 2018 deadline.

Contract No. PR-18-1 for the Ballasted Flocculation and Clarification System Procurement has been advertised for public bid on November 30th in accordance with the Settlement Agreement compliance schedule. The revised proposal from EVOQUA for the COMAG equipment and start-up services was increased approximately 3% since the last quote due to the increased cost of steel. The equipment was quoted at \$1,697,500 and included a deduction for the pilot testing. It should be noted that this cost does not include any impact from tariffs.

A site visit is scheduled for December 3rd to meet with the Township Staff, OCC, and Keystone Engineering to review the alternatives for the SCADA system and develop what controls and data the Township would like to obtain for the existing wastewater equipment.

Final design continues for both the Dewatering System Improvements and the COMAG System. Lead and asbestos testing is scheduled to be completed in December on the existing Dewatering Building as well as core drilling of the existing floor to determine what the raised slab was cast on (due to the weight of the new equipment). The geotechnical investigation is in the process of being scheduled but has been delayed due to the amount of rain we have received in November. Additionally, SoftDig will be remobilized to layout utilities in the area of the geotechnical borings and near the UV system, where existing piping and valving cannot be found.

2018 Sanitary Sewer Repair Project (Contracts 18-2 and 18-3):

The Notices of Intent to Award were prepared and issued for Contacts 18-2 and 18-3 to MOR Construction, Inc. and Mr. Rehab, LLC, respectively. HRG is awaiting the signed Forms of Agreement, Bonds, and insurance certificates from each Contractor. Once these items are received and reviewed they will be forwarded to the Authority for execution. HRG will prepare and issue the Notices to Proceed to each Contractor and schedule the preconstruction conference once the documents are executed.

HRG has prepared the enclosed confirmation of assignment to provide Construction Administration Services and Resident Project Representative services for the 2018 Sanitary Sewer Repair Project for the Authority's review and approval.

Please feel free to contact me if you have any questions regarding this report or other items.

Respectfully submitted,

Herbert, Rowland & Grubic, Inc.



Joshua T. Fox, P.E.
Regional Service Group Manager

JTF/
007608.0426

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- c: West Goshen Sewer Authority (w/encl.)
- Casey LaLonde, Township Manager (w/encl.)
- Dave Woodward, Public Works Director (w/encl.)
- Mike Moffa, WWTP Superintendent (w/encl.)
- Edward A. Ellinger, P.E., HRG (w/encl.)
- File (w/encl.)