

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from September 29 through October 31, 2018:

### Projects in Construction

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

Contract 17-1 has completed all punch list items. We recommend that the Authority approve the Final Application for Payment, as submitted by Walabax Construction Services, Inc., in the amount of \$98,786.45 for Contract 17-1 (General Construction).

Contract 17-2 has not completed the punch list items at this time. Pumping Solutions Inc. (Contractor) has not been on-site since September 14; however, the Contractor is scheduled to be on-site again November 7. The Contractor submitted a Claim for the denied change order proposal on October 1. 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.

#### **2017 Sanitary Sewer System Repairs (007608.0436):**

Remaining work includes epoxy lining of two (2) manholes and miscellaneous items for final clean-up.

A Certificate of Substantial Completion was issued to the Contractor on October 19, 2018. The date of Substantial Completion was September 26, 2019 and the Contractor is currently five (5) days past the deadline for Final Completion.

#### **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 is expected to begin on Monday, November 5. Raw Sludge Pump installation and start-up is expected to begin the week of November 5 as well.



Contract 17-6 continues to install conduit and wiring of equipment within the Operations Building.

Contract 17-7 continued work on the boiler and heat exchanger ventilation, and delivered Recirculation Pump Control Panel for installation by Electrical Contractor.

Job Conference No. 9 was held on October 17, 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.

We recommend that the Authority approve Application for Payment No. 10, as submitted by Eastern Environmental Contractors, Inc., in the amount of \$437,193.77 for work completed through October 15, 2018 for Contract 17-3 (General Construction).

We also recommend that the Authority approve Change Order No. 2, as submitted by Garden Spot Electric for Contract 17-6 (Electrical Construction), in the amount of \$9,252.21 for changes to the MCC layout and relocation of existing electrical box at the proposed new doorway.

We recommend that the Authority approve Application for Payment No. 4, as submitted by GEM Mechanical Services, Inc., in the amount of \$5,944.89 for work completed through October 19, 2018 for Contract 17-7 (Mechanical 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.

We recommend that the Authority approve Final Application for Payment, as submitted by Eastern Environmental Contractors, Inc., in the amount of \$18,828.50 for Contract 17-8 (General Construction).

We also recommend that the Authority approve Final Application for Payment, as submitted by The Williams Group Electrical Contractors, in the amount of \$65,194.05 for Contract 17-9 (Electrical Construction).

Final closeout documents will be provided to the Contractors and to the Authority following final payment.

**Other Projects/Tasks**

**Pump Station Phase II Improvements (007608.0442):**

The Subdivision and Lot Consolidation Plan for the Downing Avenue Pump Station has been completed and will be submitted to the Township Engineer when he returns from his training. We have also requested updated materials quotes for pre-purchase of equipment through COSTARS. We are hoping to have those quotes ready for the Authority's consideration at the November 7 Meeting. Additionally, we are anticipating requesting authorization to publically advertise the project for public bids at the November 7 meeting.

Preliminary design of the Trinity Drive Pump Station has been completed and approved by the Township Staff. A meeting is scheduled with the Township Engineer on November 14 to review the storm water management requirements and identify if a lot consolidation is necessary to meet the pervious area requirements.

Pump alternatives for the Westtown Way Pump Station have been provided to the Township Staff for review and selection. Once the pump selection has been made, we will continue work on the preliminary design. The Township Staff are currently waiting on information back from the pump supplier to make their decision.

A hydraulic analysis has begun to evaluate the downstream impacts (if any) of upgrades to the Taylor Run Pump Station. The results of the analysis could not be confirmed due to differing operating conditions at the Washington Street and Fernhill Pump Stations. The Township Staff are installing flow meters and pressure gauges in order to obtain actual pumping conditions (flow and head). 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.

We are in the process of preparing the procurement documents for the COMAG System for advertisement for public bids on November 30. We respectfully request the Authority's authorization to advertise the procurement for the COMA system upon the Solicitor's review and approval of the procurement contract documents.

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

Bids were opened on October 12, 2018 at 1:00pm. Certified Bid Tabulations and recommendations for issuing the notice of intent to award are attached to this Report.

If acceptable, we will be requesting the Authority's authorization to issue the notice of intent to award and if the Solicitor finds the agreements, bonds, and insurance to be acceptable, to issue the notice of award and notice to proceed at the November 7 Authority Meeting.

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

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007608.0426

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- c: West Goshen Sewer Authority (w/encl.)  
Casey LaLonde, Township Manager (w/encl.)  
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