

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from March 2 through March 29, 2019:

Projects in Construction

Contract 17-5: 2017 Sanitary Sewer System Repairs (007608.0436):

The final remaining punch list items for the Contract include the removal of the bypass crossing in Lincoln Avenue and the holiday testing of Manhole 1205. The Contractor intends to remove the bypass line upon completion of the Five Points Road Emergency Repair.

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

Contract 17-3 has completed a majority of the demolition of the cover and existing Primary Digester and will begin fabrication of the new Secondary Digester floating cover.

Contract 17-6 will continue to provide demolition support and maintain schedule with EEC.

Contract 17-7 has submitted a claim for rejected change order request, received March 8th. Claim is being reviewed by HRG and the response will be coordinated with the Solicitor. They have requested a substantial completion inspection be scheduled.

We are also recommending approval of the following applications for payment:

- Application for Payment No. 15 for Contract 17-3 (Anaerobic Digester Replacement General Contract) to Eastern Environmental Contractors, Inc. in the amount of \$106,312.50 for work completed through March 15, 2019
- Application for Payment No. 10 for Contract 17-6 (Anaerobic Digester Replacement Electrical Contract) to Garden Spot Electric in the amount of \$15,914.60 for work completed through March 19, 2019

The Application for Payment for Contract 17-7 was not submitted in time for the cut-off.

Contracts 18-2 and 18-3: 2018 Sanitary Sewer Repair Project (007608.0450):

MOR has started installation of new 10-inch sanitary sewer line between MH 1572 and MH 1573. MOR has filed a claim following Job Conference No. 1 on March 20, 2019 requesting an extension of Contract Time due to weather encountered from May 9, 2019 to June 9, 2019. HRG is currently reviewing this claim and from discussion with the Township Staff will be recommending approval of the time extension.

Mr. Rehab, LLC will complete the manhole rehabilitation in May 2019 following MOR's progress. HRG submitted a second request for pricing to Mr. Rehab for CIPP rehabilitation work between MH 843-A1 and MH 840-A for the Five Points Road Repairs. Mr. Rehab, LLC returned a quote to complete this work for a total cost of \$141,196.92. Mr. Rehab also did review and give recommendation on the existing 14-inch AC pipe along S. Five Points Road.

Their recommendation was that CIPP lining was not feasible due to the risk of pipe collapsed and recommended that the section of pipe be replaced. HRG has issued the work change directive for the manhole lining associated with the emergency work to be completed. Mr. Rehab tentatively scheduled the additional work to be completed during the week of second week of May. They are required to coordinate traffic control and by-pass pumping activities with DiRocco Brothers, Inc.

We are also recommending approval of the following applications for payment:

- Application for Payment No. 2 for Contract 18-2 (Sanitary Sewer Replacement) to MOR Construction Services in the amount of \$22,867.74 for work completed through March 14, 2019

Contracts WC-1 & WC-2: Woodcrest/Downing Avenue Pump Station Replacement (007608.0452):

HRG is currently reviewing submittals from the Contractors and from the suppliers of the Authority procured equipment. HRG is also coordinating the delivery of the equipment with each Contractor. The generator was delivered to the WWTP and both Contractors were notified. McKenney Construction has indicated that they expect to start construction at the beginning of July 2019 once all equipment has been delivered.

Other Projects/Tasks

Pump Station Phase II Improvements (007608.0442):

The Trinity Drive Pump Station Water Quality Management Part II Permit Application is being submitted for the signature following the Authority's April 3 Meeting.

Pump selection has been made and work continues on the structural coordination for the Westtown Way Pump Station.

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.

WWTP Phase II Improvements / TMDL (007608.0442):

Final design continues for both the Dewatering System Improvements and the COMAG System. Several progress meetings were held with the Township Staff to review design elements and solicit feedback including chemical addition layout, electrical equipment layout, and wasting procedures for the chemical waste sludge. Work continues on final coordination and design for the mechanical, electrical, plumbing, structural, and architectural work. HRG also held a Land Development Plan submission pre-application meeting with the Township Engineer.

The Water Quality Management Part II Permit was received on March 12, 2019 and subsequently, Contract No. PR-18-1 was awarded and the notice to proceed issued to Evoqua Water Technologies, LLC.

We are recommending approval of Written Amendment No. 1 for Contract No. PR-18-1 that provides the Seller's total liability in connection with the Contract not to exceed 100% of the Contract Price. This item required clarification as the total liability was identified in one location as 150% of the Contract Price and 100% in another location. The intent of the Contract was to limit the liability to 100% of the total Contract Price.

Miscellaneous

The Interceptor MSI Inspection began on March 27 and will continue until complete.

HRG has reviewed and categorized over 100,000 L.F. of sewer main in the sewer system matrix.

The 2018 Annual Consulting Engineer's Report was completed and submitted to the Bond Trustee on March 29, 2019 in accordance with the Bond Indenture.

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.
Practice Area Leader | Water & Wastewater

JTF/
007608.0426

- 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.)
- File (w/encl.)