

ENGINEER'S REPORT

West Goshen Sewer Authority

October 30, 2020

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) from September 29 through October 30, 2020:

Projects in Construction:

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

We are recommending approval of Application for Payment No. 23 (FINAL) for Contract 17-3 to Eastern Environmental Contractors, Inc. in amount of \$303,907.78.

Final closeout documents for Contract 17-3 will be provided to the Authority after the execution and approval of the final application for payment.

Contracts WWTP-19-1; WWTP-19-2; and WWTP 19-3: WWTP Phase II Improvements / TMDL Compliance (007608.0447):

Work continues on-site with the replacement of the 16-inch existing airline and installation of site piping (10-30-inch DIP). Rebar was placed and the vapor barrier was installed for pump station base slab. Underslab conduit layout was started by BSI (Contract WWTP-19-2). The dead/missing trees and shrubs were replaced/installed.

We are recommending that the Authority approve the following applications for payment:

- Application for Payment No. 8 for Contract 19-1 (WWTP Phase 2 General Contract) to Blooming Glen Contractors, Inc. in the amount of \$166,900.35 for work completed through October 20, 2020.



Contracts IP-1 and IP-2: Priority A Interceptor Project (007608.0456):

The Contractor for IP-1 (DOLI Construction Corporation) began the installation of the sanitary sewer piping and manholes this month. A bypass system was installed to convey the flow from the 12" force main to a manhole downstream of the contractor's limit of work. The installation of 466 LF of 24" PVC pipe, two (2) Polymer Manholes and five (5) lateral connections have been completed by the contractor. The manholes have both been vacuum tested though only one of the manholes has passed. The Contractor is working on identifying the location of the leak and will take proper measures to repair the manhole prior to re-testing. Currently the Contractor's schedule includes joint testing of the gravity sewer and installation of temporary pavement on November 2nd. The Contractor has performed the excavation to uncover the 18" force main to prepare for the installation of the tapping sleeve and valve at the WWTP. The force main pipe was found to be deteriorated upon excavation. Measures were taken in order to prepare the pipe surface for the installation of the tapping sleeve by grinding the surface of the pipe, but the initial leak test for the tapping sleeve did not pass and the Contractor will perform additional excavation in order to identify a section of the force main that can accept the tapping sleeve.



The Contractor for IP-2 (North American Pipeline Services) has not initiated their work to-date. Three significant submittals have yet to be resubmitted by the Contractor and DOLI has completed their conflicting work at the Metropolitan Apartment Complex. HRG has been communicating with the Contractor on a weekly basis and a notice was sent to the Contractor on 10/30/2020 to formally notify NAP of their delays and remaining submittals.

Contracts TD-1 and TD-2: Trinity Drive Pump Station Improvements Project (007608.0459)

HRG continues to work through submittals for both contracts. The Contractor for TD-1 mobilized to site on September 28, 2020. The Contractor has completed the directional drilling on Trinity Dr, S. New St. and Rosary Dr. as of October 23, 2020. All of the utility location holes were filled and sealed and Asphalt was installed on all of the receiving pits on Trinity.

We are recommending that the Authority approve the following:

- Application for Payment No. 2 for Contract TD-1 (General Construction) to PSI Pumping Solutions, Inc. in the amount of \$105,133.14 for work completed through October 14, 2020.
- Application for Payment No. 1 for Contract TD-2 (Electrical Construction) to MJF Electrical Contracting, Inc. in the amount of \$10,035.00 for work completed through October 13, 2020.

Other Projects/Tasks:

Pump Station Phase II Improvements (007608.0441):

Westtown Way Pump Station Upgrade

The generator pad is currently under design along with other structural and electrical elements within the pump station including the pump removal system. We continue to follow up on the DEP WQM Part II permit and update and finalize the design package.

Taylor Run Pump Station Improvements

Work continues on the design modifications related to the discharge piping and overall site work. An electrical site visit occurred to finalize the electrical design elements.

Pump Station Phase III Improvements (007608.0460):

Design continues for of the all the pump stations within this contract with an emphasis on the sites which requiring WQM Part II permits (Washington Street PS and Montgomery Ave PS). Coordination related to electrical requirements of the proposed pumps is in progress and a site visit to confirm major electrical elements of design occurred. HRG plans to continue design efforts for the plans and documents for these pump stations with a focus on the Fern Hill Pump Station.

Cemetery Sewer Rehabilitation and ARV Replacement:

Design activities are on hold until HRG receives the information for the additional work to be incorporated into this Project.

Aeration System Improvement Project (007608.0453):

A virtual Pre-Bid meeting was held on October 21, 2020. The Bid opening is scheduled for November 2, 2020.

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

Respectfully submitted,

Herbert, Rowland & Grubic, Inc.



Cory J. Salmon, PE, PMP
Group Manager | Water & Wastewater

JTF/CJS
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.)