

ENGINEER'S REPORT

West Goshen Sewer Authority

July 28, 2021

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) from July 2, 2021 through July 28, 2021:

Projects in Construction:

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

Work continues onsite at the Dewatering Building with pouring of the sludge storage dumpster pad and completion of the roof flashing, masonry openings, wiring of instrumentation and process control equipment, and misc. items moving towards preparation for start-up. The 24-inch tertiary effluent line was completed, and grout work completed for Clarifier No. 1. Work continues on the COMAG Building with completion of the roofing, installation of process piping, and misc. concrete, and mounting of all grating and handrails.

Once the roof is completed, the Electrical and Mechanical Contractors will be able to start work inside the building.

HRG has requested an updated schedule for start-up on the COMAG facilities based on recent conversations with EVOQUA as EVOQUA will require a three-week start-up period. Week 1 will be checking all of the I/O and verifying connectivity to the PLC; Week 2 will include all of the necessary programming of the PLC; and Week 3 will include the physical start-up, testing, and training.

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

- Application for Payment No. 15 for Contract WWTP-19-1 to Blooming Glen Contractors, Inc. in the amount of \$295,031.96 which includes a \$27,650 set-off for liquidated damages
- Application for Payment No. 10 for Contract WWTP-19-2 to Brandon Stanton, Inc. dba BSI Electrical Contractors in the amount of \$81,700.00
- Application for Payment No. 8 for Contract WWTP-19-3 to Cuick Precision Solutions in the amount of \$6,362.15

An update on the EVOQUA correspondence will be provided at the Authority meeting.

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

The Contractor for Contract IP-2, North American Pipeline (NAP) has requested Substantial Completion on July 1, 2021, and a site visit with HRG, Township Staff and NAP has been performed on July 8, 2021 to assemble the Punch List items. NAP was provided with the Substantial Completion Certificate along with the Punch List. NAP has worked to address the defects indicated on the punch list. Final Closeout Documents will be assembled and distributed following a Final Walkthrough to confirm the completed punch list items. The Final Completion date has been set at August 2, 2021.

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

A final walk-through inspection was completed on July 14 with members of the Owner and General Contractor. Based on the inspection, an updated punch list was provided to all parties.

On July 27, 2021, vacuumed testing performed by the GC failed for the polymer MH at Rosary Ln. The GC is working to address the issues seen at the MH and plans on retesting July 28, 2021.

We are recommending that the Authority approve the following items:

- Approval of Change Order No. 3 -Final for Contract TD-1 for a decrease in the Contract Price of \$6,250 and an increase to the Contract Time in the amount of 48 days as a negotiated settlement for alleged delays incurred by the General Contractor
- Approval of Change Order No. 2 – Final for finalizing of previously approved WCD No. 1 for Contract TD-2 for an increase to the Contract Price in the amount of \$6,195.00
- Approval of Application for Payment No. 7-Final for Contract TD-2 to MJF Electrical Contracting, Inc. in the amount of \$8,266.00

We expect that all final work for Contract TD-1 will be completed and ready for final payment by the Authority's August Meeting. Final Closeout Documents for Contract TD-2 will be distributed prior to the Authority's August Meeting.

Contracts WWTP-20-1 and WWTP-20-2: Aeration System Improvement Project (007608.0453):

The system is substantially complete and all programming from OCC has been completed. The General Contractor has final doors to install and painting to complete for completion of the Contract Work.

We are recommending that the Authority approve the following:

- Approval of Application for Payment No. 5-Final for Contract WWTP-20-2 to MJF Electrical Contracting, Inc. in the amount of \$8,250.00

We expect that all final work for Contract WWTP-20-1 will be completed and ready for final payment by the Authority's August Meeting. Final Closeout Documents for Contract WWTP-20-2 will be distributed prior to the Authority's August Meeting.

Other Projects/Tasks:

Pump Station Phase II Improvements (007608.0441):

Westtown Way Pump Station Upgrade

After receiving the DEP WQM Part II permit in late December and the Authority pre-approval this month, work to finalize the design package is under way to prepare the package for public bidding. Final bidding documents are being finalized and documents will be provided for review by August 4th and are meeting with Mr. Moffa and Mr. Leon on August 18 to review bidding documents and discuss any questions or concerns that they may have at that time. We are expecting to have everything ready for public bidding by August 26th pending any unforeseen issues that arise.

Taylor Run Pump Station Improvements

Work continues on the design modifications related to the discharge piping, overall site work, and electrical design. In the meeting on February 17th with WGSA, the design scope and the design completed to date were reviewed for this pump station.

HRG will be working towards having final documents together for WGSA review by September 3rd.

Pump Station Phase III Improvements (007608.0460):

HRG plans to continue design efforts for the plans and documents for Fern Hill Pump Station at this time. In the meeting on February 17th with WGSA, the scope of the Fern Hill PS design was reviewed, and the design is pushing forward.

HRG will be working towards having final documents together for Fern Hill PS for WGSA review by September 3rd.

Cemetery Sewer Rehabilitation and ARV Replacement:

HRG has issued the Notice of Intent to Award to each contractor for Contracts SA-1 (Standard Pipe Services) and SA-2 (Di Rocco Bros, Inc.). Executed Agreements and Bonds for Contract SA-1 have been received and approved by HRG and the Authority Solicitor. Executed documents for Contract SA-2 have not yet been received. Once documents for both Contracts have been received and reviewed, HRG will coordinate signatures of the agreements with the Authority Chairman and issue the Notice to Proceed and schedule the preconstruction Conference.

Phase II Interceptor Repairs Project:

The Permitting efforts (General Permit and NPDES) as well as Soil Erosion and Sediment Control Plans have been completed for the base scope of work. HRG continues to coordinate with West Chester Township with the help of Township staff to finalize a bypass plan for one of the additional Route 202 interceptor crossings. Once a bypass plan is finalized for the US 202 crossings, a field survey will be performed. Temporary Easement documentation has been assembled and sent to the Solicitor for preparation of the Easement Agreements.

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.)