

ENGINEER'S REPORT

West Goshen Sewer Authority

August 26, 2021

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) from July 29, 2021 through August 26, 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 on site with general clean-up and preparation for start-up of the Dewatering System which is tentatively scheduled to begin on September 7.

Work also continues on final work associated with the COMAG Building, chemical feed system, return and wasting pumps, and clarifiers. The Electrical Contractor continues work in the COMAG Building, pulling wires and terminated control and power in preparation of the upcoming EVOQUA inspection. EVOQUA is scheduled to begin start-up on September 13.

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

- Application for Payment No. 17 for Contract WWTP-19-1 to Blooming Glen Contractors, Inc. in the amount of \$290,368.89 which includes a \$39,200 set-off for liquidated damages
- Application for Payment No. 11 for Contract WWTP-19-2 to Brandon Stanton, Inc. dba BSI Electrical Contractors in the amount of \$25,924.15
- Application for Payment No. 8 for Contract WWTP-19-3 to Cuick Precision Solutions in the amount of \$21,199.30

We are also recommending approval of Change Order No. 6 for Contract WWTP-19-1 for an increase in the Contract Price in the amount of \$114,273.35. This change order includes additional work related to unforeseen utilities for the 24-inch tertiary effluent line, installation of additional 4x6 reducers at the Dewatering Building as recommended by Schwing, installation of gas service line to the Dewatering Building, and replacement of the belt on the mobile temporary press. This includes all major outstanding risk items for the General Contract. Please refer to the updated Change Order tracker.

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

A Final Completion Walkthrough for Contract IP-2, was held on August 4, 2021 with HRG and the Township Staff to review the work that was performed to address the items on the Punch List that was provided to Vortex Services (Previously North American Pipeline Services). The Final Walk through confirmed that all items on the Punch List have been addressed to the satisfaction of the Engineer. Vortex Services has been provided the Final Adjusting Change Order which includes Liquidated Damages in the amount of \$69,300. Closeout Documents have been prepared and will be provide the Vortex once the Final Adjusting Change Order and Final Payment Application have been executed by the Authority.

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

We are recommending approval of the final application for payment for Contract TD-1 to PSI Pumping Solutions, Inc. in the amount of \$21,132.50. Upon approval, HRG will proceed with final closeout and preparation of Record Drawings.

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

We are recommending approval of the final application for payment for Contract WWTP-20-1 to Cuick Precision Solutions in the amount of \$21,199.30. Upon approval, HRG will proceed with final closeout and preparation of Record Drawings.

The final reimbursement request has been made to the Commonwealth Financing Authority for closeout of the final grant proceeds. Upon receipt, Mr. Moffa and I will send a summary of the contract costs and grant offsets to our municipal partners for their cost sharing contribution.

Other Projects/Tasks:

Pump Station Phase II Improvements (007608.0441):

Westtown Way Pump Station Upgrade

The Project has been advertised for public bids. A mandatory pre-bid conference is being held for the Project on September 15, 2021 at 1:00pm. The bid opening is scheduled for September 29 at 10:00am. A copy of the Project Manual and Construction Drawings have been provided to East Goshen as requested.

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 is working towards having final documents together for WGSA review by September 3rd. A request has been made to DEP confirming that a WQM Part II Permit is not needed.

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

Cemetery Sewer Rehabilitation and ARV Replacement:

A Pre-construction Conference was held on August 17, 2021 with HRG, Township Staff, Standard Pipe Services (Contract SA-1 Contractor) and Di Rocco Bros. (Contract SA-2 Contractor) to discuss the requirements of the Contracts. Initial shop drawings have been submitted by Di Rocco Bros. HRG anticipates that we will receive schedules and additional submittals from both Contractors within the next week.

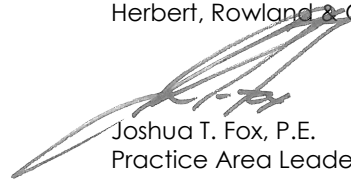
Phase II Interceptor Repairs Project:

HRG has been coordinating with West Chester Township with the help of Township staff to finalize a bypass plan for one of the additional Route 202 interceptor crossings. West Chester has indicated that they would accept the bypass flows from West Goshen's Interceptor. Wetland delineation has been performed for the stream crossing required to bypass into Gooseneck WWTP. Field survey is being coordinated for base mapping and permitting efforts. HRG and the Township Staff plan on meeting with West Chester and the Property Owner to discuss specifics about the bypass plan the week of August 30th.

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.)