

ENGINEER'S REPORT

West Goshen Sewer Authority

May 27, 2021

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) from April 30, 2021 through May 27, 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, installation of the 24-inch tertiary effluent line, and installation of the COMAG reaction tank mixers and magnetite recovery systems. Work related to the completion of the COMAG Building is still currently being delayed as the General Contractor is scheduled to have a second testing agency complete additional core samples and laboratory testing on June 3. If the grout demonstrates a compressive strength of 1900 psi, we believe we have a workable solution that the General Contractor will be able to proceed with. A walk-through inspection of the installation of the screw presses was completed by the manufacturers representative(s).

The Electrical Contractor (EC) continues work in the Belt Filter Press Building. Once complete, they will move over to the COMAG Building (once available). The EC is planning to continue work in the Belt Filter Press Building in anticipation of start-up in late summer.

The Mechanical Contractor continues to keep current with the work of the General Contractor and is currently waiting for the roof to be completed on the Belt Filter Press Building to continue work.

Risk items remain completion of the 24-inch tertiary effluent and final tie-in (approximately 60-LF remaining), piping work around the existing polishing clarifiers, and painting of the tertiary clarifier steel.

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

- Application for Payment No. 14 for Contract WWTP-19-1 (WWTP Phase 2 General Contract) to Blooming Glen Contractors in the amount of \$406,753.00 for work completed through May 20, 2021.
- Application for Payment No. 5 for Contract WWTP-19-2 (WWTP Phase 2 Electrical Contract) to Brandon Stanton, Inc. dba BSI Electrical in the amount of \$108,356.78 for work completed through May 20, 2021.
- Application for Payment No. 6 for Contract WWTP-19-3 (WWTP Phase 2 Mechanical Contract) to CUICK Precision Solutions in the amount of \$46,398.29 for work completed through May 21, 2021.

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

Contract Close-Out Documents for Contract IP-1 have assembled and distributed through regular mail.

The Contractor for Contract IP-2, North American Pipeline (NAP) continued their work on the manhole rehabilitation with the assistance of their Sub. Marra Services. The Sauereisen representative met with the Contractor onsite to inspect their preparation and application work on multiple dates in May 2021. The representative confirmed that the preparation and application work was adequate and conforming to the manufacturer's requirements. The Contractor has also indicated that they intend to be substantially complete by June 4, 2021.

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



The General Contractor (GC) and Electrical Contractor has completed all work with the exception of final restoration and punch list items. Both Contractors project having all Work completed on site including any items identified in a Substantial Completion walkthrough by the end of June. There were no payment applications submitted by any parties for the project for the month of May. The Substantial Completion walk-through is scheduled for June 3.

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

HRG's Electrical Engineer is meeting with MJF on June 2 to review the termination points for the conductors from the original blower starters to the new Aeration System Control Panel. Once completed, the final programming can be completed and the system tested. The Substantial Completion inspection is scheduled for June 3 with all Contractors. Additionally, the first reimbursement package was submitted successfully to CFA and we are awaiting the acceptance of the package and disbursement of the funds.

We are recommending that the Authority approve the following:

- Application for Payment No. 5 for Contract WWTP-20-1 (Aeration Basin Improvement Project General Contract) to CUICK Precision Solutions in the amount of \$30,547.25 for work completed through May 21, 2021.

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, work to finalize the design package is under way to prepare the package for public bidding. Work continues with the mechanical, structural and electrical design. The gantry pump removal system has been in review by HRG and WGSA staff. The decision on this system is still pending after a meeting with the crane manufacturer McDal. Final bidding documents are being finalized concurrently and we are expecting to have everything ready for public bidding at the end of July.

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 continue to provide updates on the schedule for the final design drawings.

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 continue to provide updates on the schedule for the final design drawings.

Cemetery Sewer Rehabilitation and ARV Replacement:

The Project was publicly advertised on May 14, 2021 and the bid opening is scheduled for June 16, 2021. The bid results will be presented at the Authority's July Meeting.


Phase II Interceptor Repairs Project:

A 60% plan set has been completed for the original scope of work, and progress on the Permitting (General Permit & NPDES) process has started with the assembly of the Erosion and Sediment Control Plans. HRG has started work on the two additional RT 202 crossing sections. Wetland delineation was completed on the two additional section with the field survey to be completed in the following weeks. A second site visit to the Property Owners where Temporary Easements are required was performed with the help of Township Staff. Legal descriptions will be created and sent to the Solicitor for preparation of the Easement documentation.

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

Respectfully submitted,

Herbert, Rowland & Grubic, Inc.



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JTF
007608.0426

c: West Goshen Sewer Authority (w/encl.)
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