

ENGINEER'S REPORT

West Goshen Sewer Authority

July 1, 2021

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) from May 28, 2021 through July 1, 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 piping of the return and wasting pumps in the COMAG Building. Work has resumed on the COMA Building, following HRG's approval of the corrective action plan for the defective work associated with the low-strength grout.

By-pass pumping has been set-up and connection of the combined tertiary effluent to the existing combined secondary effluent piping is scheduled for July 1. Modifications to the polishing clarifier influent / disinfection influent is scheduled to be completed July 6.

The COMAG Building roof is scheduled to be completed by August 5 allowing work by the EC and MC to resume, working towards Substantial Completion.

The Electrical Contractor (EC) continues work in the Dewatering Building. Work is expected to be 90% complete by July 9. The EC is anticipating shut-down for the power switch over to Dewatering Building on July 13. Once completed, the access road can be backfilled and paving completed.

The Mechanical Contractor continues to keep current with the work of the General Contractor.

An updated list of anticipated changes and risk items will be provided to the Authority and Staff at the Authority Meeting.

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

- Application for Payment No. 15 for Contract WWTP-19-1 (WWTP Phase 2 General Contract) to Blooming Glen Contractors in the amount of \$302,020.37 for work completed through June 22, 2021.
- Application for Payment No. 9 for Contract WWTP-19-2 (WWTP Phase 2 Electrical Contract) to Brandon Stanton, Inc. dba BSI Electrical in the amount of \$63,650.98 for work completed through June 28, 2021.
- Application for Payment No. 7 for Contract WWTP-19-3 (WWTP Phase 2 Mechanical Contract) to CUICK Precision Solutions in the amount of \$6,153.25 for work completed through June 18, 2021.

We are currently working through a Change Order for the GC that we anticipate presenting at the Authority Meeting as a non-agenda item.

Finally, we did receive correspondence back from EVOQUA Water Technologies regarding the liquidated damages being held on the procurement contract. Due to potential litigation, we are scheduled to review the items with your Solicitor on Tuesday, July 6 in anticipation of an Executive Session to discuss the details with the Authority.

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 subcontractor Marra Services. Every manhole with the exception of one (MH 1215) has been epoxy lined and tested. NAP also needs to complete the installation of chimney seals and restoration work. It is anticipated that NAP will be substantially complete by July 9, 2021.

NAP has accumulated \$68,950.00 in liquidated damages as of June 30, 2021.

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

The Substantial Completion walk-through was completed on June 3, 2021. The General Contractor (GC) and Electrical Contractor has completed all work with the exception of final restoration and punch list items. A schedule has not been received for completion of final items from the GC. Several claims have been submitted for issues between the multiple prime contractors. Due to potential litigation, we are scheduled to review the items with your Solicitor on Tuesday, July 6 in anticipation of an Executive Session with the Authority to discuss each of the items in greater detail.

- Application for Payment No. 6 for Contract TD-2 (Trinity Drive Pump Station Improvements Electrical Contract) to MJF Electrical Contracting in the amount of \$1,530.00 for work completed through June 23, 2021.

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

The scheduled substantial completion inspection was postponed due to issues regarding the EC terminating the final wires needed for the system to be operational. The EC completed wire terminations on June 30 and HRG is scheduled to inspect those terminations and work with OCC for final programming on July 2. We anticipate that the system will be fully operational at that time. We anticipate scheduling a walk-through in the coming weeks.

Final items include final painting, cleaning, and installation of bollard covers.

We are recommending that the Authority approve the following:

- Application for Payment No. 4 for Contract WWTP-20-2 (Aeration Basin Improvement Project Electrical Contract) to MJF Electrical Contracting in the amount of \$9,810.00. for work completed through June 23 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 pending the outcome of the discussions between EGT and WGSA. Costs for the Project continue to flocculate as additional items are uncovered and supply chain issues impact material costs.

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 bids were opened on June 16, 2021 at 10:00 AM. The apparent low bidder for Contract No. SA-1: Sanitary Sewer Rehabilitation was Standard Pipe Services, LLC with their bid of \$262,065.00 and the apparent low bidder for Contract No. SA-2: ARV Replacement Project was DiRocco Bros., Inc. with their bid of \$99,360.00. The bid packages for the apparent low bidders have been reviewed for both Contract SA-1 and SA-2 by HRG and the Solicitor and both bid packages appear to be responsible and complete. With the Authority's approval, HRG will issue the Notice of Intent to Award to each respective contractor.

Once we have received and reviewed the agreements, bonds, and insurance from the contractors, the documents will be forwarded to the Authority's Solicitor for review. Pending the Solicitor's approval of the agreements, bonds, and insurance for the contracts, we will coordinate signatures of the agreements with the Authority Chairman and issue the Notice of Award. Following the notice of award, we will issue the Notice to Proceed and schedule the preconstruction Conference. In accordance with the General Conditions, we will have up to 60 days to issue the Notice to Proceed after the effective date of the Contract.

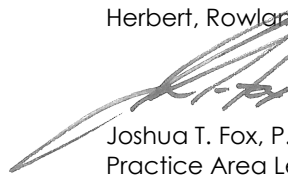
Phase II Interceptor Repairs Project:

A 90% plan set has been completed for the original scope of work, and progress on the Permitting (General Permit & NPDES) process has continued with the assembly of the Erosion and Sediment Control Plans. HRG continues design efforts on the two additional US 202 crossing sections. Once a bypass plan is finalized for the US 202 crossings, a field survey will be performed. An additional site visit to a few of the remaining Property Owners where Temporary Easements are required was performed with the help of Township Staff. 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.

A handwritten signature in black ink, appearing to read 'J. T. Fox', is written over the company name.

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.)