



**ENGINEER'S REPORT
WEST GOSHEN SEWER AUTHORITY**

June 26, 2020

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501 Allendale Road
Suite 203
King of Prussia, PA 19406
(484) 460-7050

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from May 30, through June 26, 2020:

Projects in Construction

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

The remaining change order work is not yet completed. A meeting with the GC is scheduled for July 2 to review the outstanding work and develop a schedule for final completion.

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

The General Contractor completed the relocation of the trickling filter effluent and has completed the excavation for the reaction tanks and clarifiers. Significant groundwater was encountered and the subgrade material was not satisfactory. Geotextile material and ballast were used to improve the subgrade for preparation of the concrete work.

No applications for payment were submitted this month.

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

HRG continues to work through submittals with each of the Contractors. The initial Public Coordination Meeting was held on June 24, 2020 with the Metropolitan Apt. Staff and the Contractors. In order to maintain safe social distancing and to keep the impacted residents and businesses informed about the project, there will be a virtual Public Coordination Meeting held on July 15, 2020 through Zoom.

The Contractor for IP-2 (North American Pipeline Services) will be completing initial cleaning, CCTV inspections, and field measurements on the week of June 29, 2020, but the remaining work for each Contract is expected to begin in August.

Other Projects/Tasks

Pump Station Phase II Improvements (007608.0441):

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

Bid opening for the Trinity Drive Pump Station Replacement Project took place on June 3. Notice of Intent to Award letters with Agreements, performance and payment bonds were sent to each of the apparent low bidders for each of the Contracts. For Contracts TD-1 and TD-2 the apparent low bidders were PSI Pumping Solutions, Inc. and MJF Electrical Contracting Inc., respectively. HRG has received the requested documents back from only PSI and with the Authority Solicitor's review appear to be in compliance with the Contract Documents. Agreements and bonds were received on June 26 from MJF. A copy will be sent to the Solicitor for review.

Pending approval, HRG will issue the notice of award and notice to proceed as previously approved by the Authority. We anticipate that the preconstruction conference will be held in July.

Westtown Way Pump Station Upgrade

We have continued to update the design of the pump calculations and the design drawings as needed for the WQM Part II Permit application documents. We are currently finalizing those documents and plan submit the application within the next two weeks. Coordination work with PECO continues and we have updated exhibits of the proposed generator location after review with the Township Staff. A site visit on June 25, 2020 confirmed a new location for the proposed generator and we are working on finalizing a revised drawing for review with the Township Staff.

In addition to aforementioned design work, HRG prepared a brief memorandum to further explain the benefits and basis of the pump selection for the Westtown Way Pump Station, this will be provided for review with East Goshen Township as was requested.

Taylor Run Pump Station Improvements

HRG continues to work on design of the Taylor Run Pump Station Improvements and coordinate the emergency repairs with the Township's Electrician. The drawings have been updated for the proposed grinder and are awaiting finalize electrical design based upon coordination with PECO. A COSTARS quote for the grinder has been obtained. A site meeting was held on June 25, 2020 that identified additional items necessary to include in the design drawings which are being incorporated now.

Fern Hill Pump Station Sewage Grinder Replacement Project

HRG finalized design drawings for the new grinder including electrical design. A COSTARS quote has been obtained. This work will be coordinated with the approved Phase III Improvements.

Pump Station Phase III Improvements:

HRG has initiated the review of the pump station site improvements and a site meeting to kickoff this project was completed on June 25, 2020 with Township Staff. HRG plans to initiate design efforts for the plans and documents for these pump stations with a focus on the Fern Hill Pump Station. WQM part II permit efforts will also be initiated for the applicable pump stations.

Cemetery Sewer Rehabilitation and ARV Replacement:

HRG began design work on the GIS exhibits and documents for this project. We received and reviewed the remaining CCTV for the proposed CIPP sections on June 19, 2020. The initial site visits, field measurements, manhole assessments, and ARV assessments were completed on June 24, 2020. HRG is working with Township Staff to attain access to four (4) structures that were not accessible on June 24. These structures include: one ARV manhole on Little Shiloh Road, MH 842-A, MH 844-A, and MH 846-A3. If we are able to access these structures within the next week, we anticipate having a draft set of documents together by July 10, 2020 to review with the Township.

Aeration System Improvement Project (007608.0453):

The draft bidding documents were submitted to the Township Staff for review. Once comments are received and addressed, we will coordinate with the Township Staff for advertising the project for public bids. We are targeting an August bid date for this Project.

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.)