



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

May 1, 2020
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501 Allendale Road
Suite 203
King of Prussia, PA 19406
(223) 322-7310

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from March 28, through April 30, 2020:

Projects in Construction

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

The GC has worked through all final punchlist items with two items remaining to be completed. We are recommending the final change order for the contract for an increase in the Contract Price of \$29,322.04 and an extension to the contract Time for Final Completion for an additional 60 days which includes the negotiated settlement (February 5, 2020 WGSA Meeting) for the additional sludge hauling and disposal, flue pipe adjustment on the Operations Building roof (additional work not able to be coordinated with GEM, and addition of an additional pipe support for gas draw-off line to solve operational issue related to the Secondary Digester.

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

Work is scheduled to resume on-site May 4, 2020. Additional health and safety equipment has been brought to the site as required by the Governor's order. Because of the current conditions, HRG has instituted weekly coordination meetings every Monday morning at 7:30am via Zoom to ensure communication and coordination between all parties for activities scheduled during the week to limit interaction between the Contractors and Township Staff. HRG's RPR will be on-site observing and reporting on the work.

Other Projects/Tasks

Pump Station Phase II Improvements (007608.0441):

Trinity Drive Pump Station Improvements

The Trinity Drive Pump Station Improvements is being advertised for public bids the week of May 4, 2020. HRG made additional changes as requested by the Township Staff including the pre-purchase of the pumps from Fairbanks Morse.

We are requesting approval of the COSTARS quote as submitted by KAPPE Associates for pumps and related equipment for a total cost of \$22,800.00.

Westtown Way Pump Station Upgrade

We have also worked through several iterations of potential value engineer items for the Westtown Way Pump Station and have reviewed them with the Township Staff. We were not able to significantly reduce the overall estimated construction cost of the Project and maintain the key components that were the basis for the upgrade (pump replacement, new valves, pump removal system, and electrical gear upgrade). In reviewing with the Township Staff, we are proceeding with preparation of the WQM Part II Permit Application to PADEP for the pump and sewage grinder replacement.



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This Project may be a good candidate for submission for the stimulus funding when it becomes available. If funding isn't received, we discussed adding an alternate to the bid that would add roof hatches that would require crane rental and various pick points and manual labor within each floor of the station to remove the pumps versus the current pump removal concept. Additionally, we will continue to work on reducing the required by-pass pump duration as we work on the construction sequencing with the electrical upgrades. There is potential savings in the order of magnitude of \$100,000 if we are able to reduce the overall by-pass pumping duration. The total estimated construction cost is \$3,157,000.00

Taylor Run Pump Station Improvements

HRG has begun design of improvements to the Taylor Run Pump Station that includes replacement of the sewage grinder, electrical service, and replacement of the existing generator, underground storage tank, and ATS.

Fern Hill Pump Station Sewage Grinder Replacement Project

HRG began design work on the replacement of the sewage grinder at the Fern Hill Pump Station as the existing grinder is currently out of service. We anticipate having the design completed and the COSTARS quote for the grinder purchase for the Authority at the June Meeting.

Priority A Interceptor Project:

We have received and reviewed the agreements, bonds, and insurances from both Contractors. There were no apparent issues with the documents submitted by DOLI Construction Corporation and the only irregularity with the documents from North American Pipe Line Services was that the Power of Attorney was dated. With the Authority's approval, we would like to award Contract IP-1 to DOLI Construction Corporation and award Contract IP-2 to North American Pipe Line Services contingent upon the receipt of an updated Power of Attorney properly dated with the Effective Date of the Contract and issue the Notices to Proceed. We also request the ability to have the documents signed electronically to execute the Contracts. Along with the Notices to Proceed, a pre-construction conference will be scheduled and held virtually through Zoom.

Aeration System Improvement Project (007608.0453):

The draft bidding documents will be submitted to the Township Staff for review by the end of the week of May 4. Once all comments are addressed, we will coordinate with the Township Staff for advertising the project for public bids.

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.)