

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from June 1 through July 8, 2019:

Projects in Construction

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

Contract 17-3 will not be substantially complete by the July 1 deadline for start-up of the Secondary Anaerobic Digester. They have claimed that an unseasonably wet Spring/Early Summer has delayed their ability to complete the Secondary Digester. While, I have not seen the back-up for the delay, we have acknowledged that it has been extremely wet up until recently. Like most instances, the delay has been further compounded by other factors.

Their schedule indicates that they are to be substantially complete by July 26; however, they are already a week past the dates identified to install the sludge draw off and feed piping between the building and the tank and they have missed their core opening by 4-inches which will likely result in the loss of another day. My best estimate at this point is that we will be substantially complete in mid-August with final completion by October 1 so long as there are no additional delays.



We have requested to receive weekly updates to the schedule to track their progress and have asked that they add an additional coating (painting) crew from their subcontractor for simultaneously working on the cover and on the tank as this should help compress the schedule and obtain at least a week back.

Additionally, we had asked for a price to raise the overflow elevation of the primary digester by approximately one foot to improve prolonged operations of running a single digester. Contract 17-3 has offered to complete the additional work at no cost (\$4,800 value) in an attempt to not be assessed damages for this additional time and to help with the continued operations of a single digester.

Contract 17-6 continues to provide support and maintain schedule with EEC.

Final payment has been approved for Contract 17-7; however, we have not received final closeout documents. We have also issued two warranty letters for fans whose motors have burned out and need to be replaced. We are waiting on a schedule from Contract 17-7 to address these items.

We are recommending approval of the following applications for payment:

- Application for Payment No. 18 for Contract 17-3 (Anaerobic Digester Replacement General Contract) to Eastern Environmental Contractors, Inc. in the amount of \$117,888.30 for work completed by June 15, 2019.
- Application for Payment No. 12 for Contract 17-6 (Anaerobic Digester Replacement Electrical Contract) to Garden Spot Electric in the amount of \$14,250.00 for work completed through May 31, 2019.

Contracts 18-2 and 18-3: 2018 Sanitary Sewer Repair Project (007608.0450):

MOR has completed installation of the new 10-inch sanitary sewer line between Manhole 1576-1A and 1575 and has successfully tested all sanitary sewer lines installed in accordance with the Contract Documents. HRG and MOR completed a substantial completion walkthrough on June 12, 2019. MOR continues to complete punch list items and plans to be complete by the next Authority meeting.

Mr. Rehab, LLC plans to complete all remaining cementitious manhole lining at Knollwood Drive Site during the second week of July pending weather.

We are recommending approval of the following applications for payment:

- Application for Payment No. 5 for Contract 18-2 (Sanitary Sewer Replacement) to MOR Construction Services in the amount of \$77,472.07 for work completed through June 24, 2019.

Contracts WC-1 & WC-2: Woodcrest/Downing Avenue Pump Station Replacement (007608.0452):

McKenney Construction has successfully installed new sanitary sewer force main which has been tested and passed in accordance with the Contract Documents. McKenney continues to work on site and plans to setup bypass pumping to allow for demolition of existing pump station for the week of July 8. Garden Spot is currently coordinating the schedule for completion of all work with McKenney Construction.



Other Projects/Tasks

Pump Station Phase II Improvements (007608.0442):

The Trinity Drive Pump Station Water Quality Management Part II Permit Application was submitted to PA DEP. Based on correspondence with PA DEP, we expect to have the Permit in early August 2019. The Trinity Drive Pump Station will be ready for bid following obtaining the Permit(s).

Structural coordination and mechanical layout of the replacement pumps continues. Based on the revised conceptual design discussed with the Township Staff, we are proposing the following revised schedule:



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369 East Park Drive
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Westtown Way Pump Station

Conceptual Design Layout Submission to Superintendent – 07/15/2019

Meeting with Superintendent to review comments on Conceptual Design Layout Submission – Week of 07/29/19

Preliminary Design Submission to Superintendent – 08/26/19

Meeting with Superintendent to review comments on Preliminary Design Layout Submission – Week of 09/09/19

PADEP WQM Part II Permit Submission to WGSA– 09/25/2019

Finalize and Submit PADEP WQM Part II Permit to PADEP – 10/18/19

Final Design to coincide with review of permits.

Bidding to be performed after all permits are received.

Construction to commence after bids are received.

Taylor Run Pump Station

We are still working to identify improvements that will be needed to Taylor Run Pump Station and possibly the force main and any downstream improvements to the Washington St. Pump Station. Our goal is to have a recommendation for the Authority at the August 2019 Meeting.

WWTP Phase II Improvements / TMDL (007608.0442):

We are working diligently on finalizing the Bid Documents for the Project. Upon approval by the Authority, the Project will be advertised for public bids on July 11, 2019. A mandatory pre-bid conference is being held on July 24, 2019 at 10:00am at the WWTP. Bids are to be received and opened publically on August 7, 2019 at 10:00am. We will have the results of the bid for the Authority's August meeting.

Additionally, we are working on preparing the final opinion of probable construction cost for the Project.

Optimum Controls Corporation (OCC) is continuing to work with HRG and the Township Staff to develop the SCADA software and hardware programs. OCC is expected to provide COSTARS quotes for the new SCADA Panels at the Authority's August 2019 Meeting.

Miscellaneous

The Interceptor MSI Evaluation was completed with the initial data received from RedZone. A memorandum of our findings is attached for the Authority's review. We expect to update the Memorandum when the final data is received from RedZone.

Our proposal to complete design for the Aeration Basin Improvements, as partially funded by the CFA Small Water & Sewer Grant is being submitted for the Authority's consideration.



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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 blue ink, appearing to read 'Joshua T. Fox', is written over a faint, light blue circular stamp or watermark.

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.)