



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

April 26, 2019  
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369 East Park Drive  
Harrisburg, PA 17111  
(717) 564-1121  
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The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from March 30 through April 26, 2019:

**Projects in Construction**

**Contract 17-5: 2017 Sanitary Sewer System Repairs (007608.0436):**

The final punch list items for the Contract have been completed. HRG is recommending approval of the Final Change Order for the Final Adjustment of the Contract Price for a final deduct of \$80,013.30.

We are also recommending approval of the Final Application for Payment for Contract 17-5 (2017 Sanitary Sewer System Repairs) to Di Rocco Bros, Inc. in the amount of \$203,498.97.

Upon approval of the Final Change Order and Final Application for Payment, the Final Contract Closeout Documents will be prepared and provided to the Authority for Closeout of the Contract.

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

Contract 17-3 has completed a majority of the fabrication of the new Secondary Digester floating cover and the base slab of the Secondary Digester was poured this past week.

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

Contract 17-7 has submitted a claim for rejected change order request, received March 8, 2019. The claim is being reviewed by HRG and the response will be coordinated with the Solicitor. A substantial completion inspection was conducted on April 9, 2019. HRG issued a letter to the Contractor denying Substantial Completion due to incomplete construction and startup of the HVAC system in the new Electrical Room. The Contractor identified that they would not complete this work without additional compensation due to a disputed change. HRG directed that the Contractor complete the Work per the Contract.

We are also recommending approval of the following applications for payment:

- Application for Payment No. 16 for Contract 17-3 (Anaerobic Digester Replacement General Contract) to Eastern Environmental Contractors, Inc. in the amount of \$268,479.00 for work completed through April 15, 2019.
- Application for Payment No. 8 for Contract 17-7 (Anaerobic Digester Replacement Mechanical Contract) to GEM Mechanical Services, Inc. in the amount of \$17,683.60 for work completed through April 17, 2019.

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

MOR has completed installation of the new 8-inch sanitary sewer line between manhole 1572-1 and 1572, the stream restoration, and all work around the stormwater basin area.

MOR filed a request for change proposal stating rock being encountered should be additional compensation. HRG has acknowledged the request and is waiting on a response from MOR with additional information. At this time HRG will be denying the change request in full, with information in the Contract Documents supporting that conditions encountered are fully encompassed within the Scope of Work.

Mr. Rehab, LLC will complete the manhole rehabilitation in May 2019 following MOR's progress. Mr. Rehab scheduled the additional work to be completed during the week of second week of May. Mr. Moffa indicated at the second job conference that the Township would work with Mr. Rehab to provide bypass pumping and traffic control which will reduce the cost.

We are also recommending approval of the following applications for payment:

- Application for Payment No. 3 for Contract 18-2 (Sanitary Sewer Replacement) to MOR Construction Services in the amount of \$48,754.71 for work completed through April 12, 2019.

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

HRG is currently reviewing submittals from the Contractors and from the suppliers of the Authority procured equipment. HRG is also coordinating the delivery of the equipment with each Contractor. The grinder was delivered to the WWTP and both Contractors were notified. McKenney Construction has indicated that they expect to start construction at the beginning of July 2019 once all equipment has been delivered.

**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.

The GP-3 Permit for Streambank Restoration was received for the Westtown Way Pump Station. Structural coordination and alternatives evaluation for pump removal has begun.

We are awaiting information from the temporary flow meters and pressure gauges in order to obtain actual pumping conditions (flow and head) at the Washington Street and Fern Hill Pump Stations. Once obtained, we will be able to finalize our model and identify if there are any significant downstream impacts to upgrading the capacity of the Taylor Run Pump Station.



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**WWTP Phase II Improvements / TMDL (007608.0442):**

Final design continues for the Dewatering System Improvements, the COMAG System, and the SCADA System. Several progress meetings were held with the Township Staff to review design elements and solicit feedback including chemical addition layout, electrical equipment layout, and operation maintenance procedures for the new dewatering equipment. Work continues on final coordination and design for the mechanical, electrical, plumbing, structural, and architectural work. HRG also held a Land Development Plan submission pre-application meeting with the Township Engineer. The Building Permit and Land Development Plan for the COMAG Building is scheduled to be submitted to the Township on May 2.

We are still on schedule to have the Project advertised for public bids before the revised July 12 deadline in accordance with the Interim Settlement Agreement.

**Miscellaneous**

The Interceptor MSI Inspection has been completed and the RedZone Report and data was mailed but has not been received by HRG to-date. We expect to be able to provide a verbal update for the Authority's Meeting.

HRG has reviewed and categorized over 109,000 L.F. of sewer main in the sewer system matrix. HRG developed GIS exhibits which display the categorization of the reviewed mains. This information will be reviewed with the Joint Committee on May 9.

HRG will begin working on aeration basin improvement final scope, funded by the CFA Small Water & Sewer Grant with Mr. Moffa in May. We expect to have a confirmation of assignment for the Authority for action at the June Meeting.

As a follow-up to the Consulting Engineer's Report, HRG was asked to look into costs to address safety concerns identified during completion of the annual site inspections. Improvements, including the noted safety improvements, were completed as part of the 2015 Capital Improvement Plan. Additionally, many of the improvements are either being completed as part of the Pump Station Improvements, or individually by Township Staff. As a result, we request that the Authority authorize HRG to work with the Township Staff to review and develop a plan to address the major concerns.

It is still unknown whether or not the Commonwealth Financing Authority will re-open the Small Water & Sewer Grant Application in May 2018. If the program re-opens, we recommend that the Authority consider authorizing HRG to prepare and submit an application for the replacement of the Trinity Drive Pump Station or Sanitary Sewer Improvements for 2020.



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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.**

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.)