

The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (Authority) and West Goshen Township (Township) from December 2 through December 29, 2017:

### **Projects in Construction**

#### **Contracts 17-1 and 17-2: WWTP Headworks Improvement Project (007608.0440):**

Lakeside has completed the start-up of both screens and conveyors. Flow has not yet been introduced to the screens as Walabax is preparing to by-pass pump the Headworks to complete the final remaining channel work and installation of the effluent weir gate (10WG-101).

A field meeting was held on December 28 with Walabax and Township Staff to review upcoming work, temporary by-pass pump plans, review clarifications, and to generally improve communications as the Project proceeds through the winter.

Job Conference No. 9 is scheduled for January 10, 2018 at the WWTP. The Contractor has submitted some claims associated with miscellaneous additional work (some involve both time and additional costs) that HRG is in the process of reviewing. We anticipate having the review completed and providing any required change orders to the Authority at the February 2018 Meeting.

HRG recommends that the Authority approve Change Order No. 1 for Contract 17-2 for an increase to the Contract Price of \$5,815.15 and an increase to the Contract Time for Substantial Completion of 45 days. The increase in the Contract Price is formalizing the previously approved Work Change Directives No. 1 and No. 2.

We also recommend that the Authority approve Application for Payment No. 8, as submitted by Walabax Construction Services, Inc., in the amount of \$52,470.90 for work completed through December 18, 2017 for Contract 17-1 and Application for Payment No. 3, as submitted by PSI Pumping Solutions, Inc., in the amount of \$65,317.15 for work completed through December 20, 2017 for Contract 17-2.

#### **Contract 17-4: By-Pass Pump Station Connections (007608.0435):**

HRG recommends that the Authority approve Change Order No. 1 for a decrease in the Contract Price of \$11,782.96 and an increase in the Contract Times for Substantial Completion 45 days. The decrease in the contract price includes the total of the following revisions: 1) relocate suction piping and plug existing outfall/overflow pipe at Montgomery Avenue Pump Station; 2) delete 10x6 stainless steel tapping sleeve and install 6x6 ductile iron tapping sleeve as a result of actual field conditions; 3) revise by-pass discharge valves and piping at Washington Street Pump Station due to actual confirmed field conditions. The time extension is recommended as the field conditions encountered at Westtown Way Pump Station has resulted in Blooming Glen revising their means and methods to dewater the site to complete their Work.

We also recommend that the Authority approve Application for Payment No. 2, as submitted by Blooming Glen Contractors, Inc. in the amount of \$153,035.54 for work completed through December 21, 2017 for Contract 17-4.

**2017 Sanitary Sewer System Repairs (007608.0436):**

Work includes mobilization and project management, clearing and grubbing, and completion of Spot Repair No. 1 on Caswallen Drive, Spot Repair No. 3 on Oak Circle, and installation of the 8-inch cleanout.

The next public information meeting is January 3 directly before the Authority Meeting.

HRG recommends that the Authority approve Application for Payment No. 1, as submitted by DiRocco Brothers, Inc. in the amount of \$39,968.64 for work completed through December 21, 2017 for Contract 17-5.

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

The EADOCs Project Management Website is fully operational and HRG is in the process of reviewing submittals and responding to RFIs. The first Job Conference is tentatively scheduled for January 17, 2018 at the WWTP. This may be pushed back depending on the status of mobilization at that time.

**Contract Nos. 17-8 and 17-9: Enhanced Chemical Addition Project (007608.0432):**

The preconstruction conference was held on December 18, 2017. A preliminary construction schedule was submitted by the General Contractor and comments provided by HRG. The submittal review process has begun for the Electrical Contractor and they have started work laying out the control panels. We don't expect to have the first job conference until March, before the full mobilization of the General Contractor.

**Other Projects/Tasks**

**Pump Station Phase II Improvements (007608.0442):**

No major work was completed over the past month.

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

Work continues on preparation of an updated cost estimate. Receipt of additional quotes for material and equipment has been extremely slow over the past month due to the Holidays. We expect to have the updated cost estimate for comparisons on building sizes for the Authority's February 2018 meeting.



**CFA Small Water & Sewer Grant Application**

HRG met with Township Staff to review the various alternatives for preparation and submission of the Small Water and Sewer Grant Application. As a result of our meeting, we are recommending that the Authority proceed with Aeration System Modifications that were included as a component to the WWTP Phase II Improvement Project. These modifications mainly include the installation of variable frequency drives on the blowers and dissolved oxygen sensors and controls for the aeration basin. The conceptual cost estimate provided in December 2015 was \$214,000, well within the grant. We will begin work updating the cost estimate and working on the grant application.

**Sewer Rate Study:**

Significant work has been completed over the past month and HRG's Financial Services Group has been working closely with the Township's Finance Department to obtain all final information. A full verbal update will be provided at the Authority's Meeting.

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.  
Regional Service Group Manager

JTF/  
007608.0426  
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- 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.)
- Edward A. Ellinger, P.E., HRG (w/encl.)
- Adrienne Vicari, P.E., HRG (w/encl.)
- File (w/encl.)