

WEST GOSHEN SEWER AUTHORITY
REGULAR MEETING
June 7, 2017

The regular meeting of the West Goshen Sewer Authority was held on Wednesday, June 7, 2017 at the West Goshen Township Administration Building. Those present were:

Authority

Dan Tierney
Phil Corvo
Theodore Murphy
Shaun Walsh
Tinamarie Smith

Administration

Mike Moffa
Dave Woodward

Unruh, Turner
Ross Unruh

HRG

Josh Fox

1. The regular meeting of the Authority was called to order at 7:37 P.M. by Ted Murphy.

Phil Meyer was in attendance from East Goshen Township.

2. Phil Corvo motioned to approve the April 5, 2017 meeting minutes, seconded by Tina Smith.
Approved 5-0

3. Authority Chair and Member Announcements.

a) Ted Murphy announced that an Executive Session was held regarding legal matters with the EPA court matter.

4. Bond Sale discussion:

a) Dan O'Brien stated that the Bond Sale was successful. A handout was provided with the final pricing results. The timing was reported good for the sale with the all in rate at 3.15%. Ted Murphy asked when the funds would be available, Dan O'Brien answered June 27 which is the closing/delivery date.

b) Report by Bond Counsel Ben Ried. Currently working with Fulton Bank on the Trustee Indenture. The Lease and Guarantee had been heavily negotiated. Once in final form the Trustee will receive the documents. On June 27, 2017 RBC will wire the funds to the trustee – Fulton Bank. These funds are to be placed into a Settlement Account. After the bills from the process are paid, the funds will be moved into a Construction Fund. A request was then made by Bond Counsel to increase his compensation to approximately \$38,000. Lengthy discuss ensued. Solicitor Ross Unruh stated that Bond Counsel has done an amiable job, there was a lot of extra time spent and they should be paid for their services. Member Tina Smith inquired when the selection for Bond Counsel was made, Ben Ried replied December and that they have spent 23 hours for (4) meetings, generally

there is only (1) meeting. Chairman Ted Murphy noted that the contract had a provision for hourly work beyond work typically done for this process. Shaun Walsh asked if when you bid a job isn't it for everything and what would be a fair compensation. Vice Chair Phil Corvo stated that the Members should just split the difference between the original price and the requested amount. Chairman Ted Murphy reminded the board that at the last meeting when the request was initially made we would consider an amount not to exceed \$36,000. A motion was made by Treasurer Dan Tierney to approve the request for a total payment not to exceed an amount of \$36,000. The motion was seconded by Phil Corvo. During further discussion Resident Doug White stated that he would stick close to the original amount. Resident Margie Swart raises issues regarding the Official Statement referencing Authority rates and whether it should reference the Township instead. A vote was then taken with Treasurer Dan Tierney voting for a total not to exceed \$36,000. Secretary Shawn Walsh voted for an amount to split the difference between \$21,500 and \$36,000. Member Tina Smith stated that she was fine with splitting the difference between the original \$21,500 and \$36,000. Vice Chair Phil Corvo then voted for an amount not to exceed \$36,000. Chairman Ted Murphy voted for the amount not to exceed \$36,000. Approved 3-2 with Ted Murphy, Phil Corvo and Dan Tierney voting for approval of an amount not to exceed \$36,000. Shaun Walsh and Tina Smith were opposed.

5. Wastewater Superintendent Report presented by Superintendent Mike Moffa – see attached.

Discussion was conducted about the need to replace a failed screw pump gearbox in the Headworks. With only three screw pumps and one out of service, it creates a problem if another one fails. Superintendent Moffa requested that we look at the possibility of refurbishing one but also purchasing a new gear box. The life expectancy of the gearboxes is only 10 to 15 years. The three screw pumps at the headworks are original and already 18 years old. Resident Doug White had a few questions and comments. Resident Margie Swart had questions about an overflowing manhole on North New Street. Superintendent Moffa stated that he was aware of the issue but that particular manhole was on a line that was the responsibility of West Chester Borough. Treasurer Dan Tierney motioned to purchase one Headworks screw pump gearbox, seconded by Vice Chair Phil Corvo. Purchase of the gearbox was approved 5-0.

6. Solicitors Report was presented by Ross Unruh.

- a) Draft of the By-laws for the Authority, will be reviewed further. Member Tina Smith had comments about Article 5, section 5 regarding use of emails.
- b) Solicitor Unruh gave his opinion on Sunshine Law section 706(4) regarding meeting minutes and resident Margie Swart's prior written request about comments made over an 18 month period.
- c) Firing Range Licensing Agreement, previously approved by the Board of Supervisors on May 24, 2017. Chair Ted Murphy motioned to execute the Agreement, seconded by Vice Chair Phil Corvo. Resident Margie Swart asked why not use the Coatesville range, Ted stated that the Township wants to keep the Police near-by and that it will only be the Township Police and Swat using the range. Resident Doug White stated

that his father wanted to keep the Police closer. Approved 5-0.

- d) Solicitor Unruh stated that the Inter-municipal Agreement with East Goshen Township is ready for signing. Thornbury Township will approve. The agreements with Westtown and West Whiteland Townships are currently pending.
- 7. Treasurers Report (See Attached) was presented by Treasurer Dan Tierney. Chairman Ted Murphy motioned for the approval of requisitions/bills to be paid and to change the amount from \$455,734.03 to \$456,385.03 seconded by Member Tina Smith. Approved 5-0.
- 8. Developers Report, dated June 2, 2017. Presented by Engineer Josh Fox. (See report for details)
- 9. Engineers report dated June 2, 2017: Presented by Engineer Josh Fox. (See report for details)

Shaun Walsh motioned to approve finalizing 16-1 change order #2 with NWMCC to increase the Contract Price in the amount of \$61,965.67, seconded by Tina Smith. Approved 5-0

Tina Smith motioned not to exceed \$33,000 for repairs on properties damaged by the sewer line repair project, Dan Tierney stated that he had to abstain from the vote (See Attached), seconded by Phil Corvo. Resident Doug White had a few questions. Approved 4-0. Treasurer Dan Tierney abstained as his property is one of those damaged.

Ted Murphy motioned to have JD2 test and remove the contaminated soil from the emergency generator project, Tina Smith stated that she had to abstain from the vote (See Attached), seconded by Shaun Walsh. Approved 4-0. Member Tina Smith abstained as she is employed by JD2.

Shaun Walsh motioned to approve Work Change Directive No. 1 for Contract 17-1 to decrease the amount to the Contract Price in the amount of \$3,156.00, seconded by Phil Corvo. Approved 5-0

Shaun Walsh motioned to approve Work Change Directive No. 1 for Contract 17-2 to increase the amount to the Contract Price in the amount of \$54.02, seconded by Phil Corvo. Approved 5-0

New Business;

Ted Murphy asked Ross Unruh to draft a resolution for Contractors that don't follow through with work competently.

Josh Fox stated that HRG has begun work on the Rate Study and it could take 75 days for the Study to be complete.

There being no further business, on a motion by Ted Murphy seconded by Tina Smith, the meeting was adjourned at 10:30 PM.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lisa Covatta", with a long horizontal flourish extending to the right.

Lisa Covatta, Recording Secretary

WEST GOSHEN SEWER AUTHORITY

June 7, 2017

WGSA TAPPING FEE FUND REQUISITIONS

REQUISITION NO.	PAYEE	INVOICE NUMBER	PURPOSE	AMOUNT	CK NO.
1775	Walabax Construction Serv. Inc.	17-1-1702	Headworks	\$26,295.30	
1776	National Water Main Cln. Co.	2017-3	Sanitary Sewer System(2016)	\$101,386.35	
1777	F.W. Houder, Inc.	16-2-495	Generator Replacement	\$94,966.75	
1779	Veolia Water Tech.Inc.	17002583	Headworks	\$75,908.75	
1780	Suburban Testing Labs	7051203;705445;705366;704519 7;704497;7044691;7044554; 7044433;7044256	TMDL Litigation	\$900.50	
1781	Evoqua Water Tech. LLC	903102670	TMDL Litigation	\$21,000.00	
1782	Hangley, Aronchick, Segal, Pudlin & Schiller	4007993	TMDL Litigation	\$727.00	
1783	Unruh Turner Burke & Frees	146169	TMDL Litigation	\$1,522.68	
		146170	By-Pass Connections	\$220.00	
		146171	Generator Replacement	\$100.00	
		146173	Headworks	\$100.00	\$1,942.68
1784	Herbert, Rowland & Grubic, Inc.	119340	Headworks	\$4,400.00	
		119341	Generator Replacement	\$2,745.43	
		119342	Primary Clarifier # 3	\$294.12	
		119343	Sanitary Sewer System(2016)	\$10,497.77	
		119346	Chemical System Upgrade	\$1,110.00	
		119347	Digester	\$45,991.50	
		119348	By-Pass Connections	\$13,298.44	
		119349	Sanitary Sewer System(2017)	\$20,860.70	
		119350	TMDL Litigation	\$357.00	
		119351	Headworks	\$14,812.40	\$114,367.36

DEVELOPER'S INVOICES

#	DEVELOPER	ENTITY	INVOICE NUMBER	PURPOSE	AMOUNT	CK NO.
249	West Chester Kia	Herbert, Rowland & Grubic, Inc.	119345	Engineering	\$651.00	1585

GENERAL INVOICES

ADMINISTRATION	ENTITY	INVOICE NUMBER	PURPOSE	AMOUNT	CK NO.
	Herbert, Rowland & Grubic, Inc.	119344	General Engineering (Retainer)	\$3,909.76	
		119277	Consulting Engineering	\$1,100.00	\$5,009.76
	Barbacane, Thornton & Co. LLP	39195	Audit	\$900.00	
	21st Century Media	1325616	Meeting Notice	\$128.92	
	Unruh Turner Burke & Frees	146168	General Legal	\$3,423.08	
		146172	Capital Projects Legal	\$7,082.68	
		146175	Operating Expenses	\$444.90	\$10,950.66
	West Goshen Twp	May-17	April 2017 Admin Fee	\$1,250.00	

6/7/2017

Tapping Fee Fund	\$437,494.69
General	\$18,239.34
Wire Amount	\$455,734.03
Developers	\$651.00
Grand Total	\$456,385.03



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369 East Park Drive
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The following summarizes recent activities performed on behalf of the West Goshen Sewer Authority (WGSA) for developer activities within the sanitary sewer service area:

Jerrehian Estate-Large Tract-Woodlands at Graystone-#126

Last Activity-March 2017

HRG completed a sewer system capacity study to evaluate the downstream impacts of the Development during average, peak, and peak wet weather events. A memorandum of the findings will be provided and reviewed with the Authority at their December 2016 Meeting.

In summary, HRG is recommending the upgrade of downstream 8-inch diameter sanitary sewer mains to 10-inch diameter and that temporary flow metering be provided to verify actual flow conditions.

Construction and Design, Inc. /Goshen Leisure Development-#181

Last Activity-November 2015

Plans are for six (6) office/warehouse type buildings. The development is located off North Hagerty Boulevard on a 21-acre tract. The sanitary sewer right of way was recorded by Ross eighty nine (89) months ago. Two buildings are currently under construction. The video inspection crew has televised these lines so the as-builts can now be completed.

The Arbours at West Goshen-#188

Last Activity-July 2016

This is a 220 unit retirement community along Ward Avenue and the West Chester Reservoir. They are continuing to construct a few more houses in the development this month. They have asked for dedication of their sewage facilities they have installed. They provided as-builts for Phase I and Phase II. Glace and the Solicitor reviewed the Maintenance Bonds.

Arbours Square-#DD188A

Last Activity June 2016

This is for independent living units with a skilled nursing care component adjacent to the Arbours development near the airport. This involves tying into an existing sanitary sewer line installed for Terramics which was never built. There were no major issues with the proposed sewer plans. The developer's engineer sent revised plans seven months ago and a review letter was generated on November 30th. It has a distinct developer from Westrum Development but Westrum will build the facility. The accounts will be kept separate.

Wexford Mews-#200

Last Activity-September 2015

This is located off Wexford Drive near Kirkland Avenue. One of the seven new homes was constructed in West Whiteland Township. There are a few minor items to be addressed construction wise on the sanitary sewer system. Glace received as-built plans. They are almost complete. They have asked for dedication of their sewage facilities they installed. Nothing new this month.



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Zarelli Subdivision 825 Goshen Road-#205-02/03/16

Last Activity-August 2016

This is now a proposed 7-lot single-family residential subdivision at 825 Goshen Road. There are seven new homes proposed with the existing home lot to be subdivided into two lots. The sewer will flow through the Greystone Development and be served by Taylor Run Pumping Station. Revised plans were received in February 2016. A review letter was sent out in early May after they were supposed to post a new escrow account. Confirmation of receipt of this additional escrow deposit has not been received yet. The revised plans addressing our comments were received on May 26, 2016 and another review letter was sent out.

Work included reviewing the proposed utility easements and review of the financial security for the sanitary sewer improvements. Comments were returned to the Township and the Developer on August 24, 2016.

Kirkland Woods-#218

Last Activity-March 2010

This is a new proposed seven (7)-lot single family residential subdivision on a 4.3 acre lot at the southwest intersection of Kirkland Avenue and Ashbridge Road. A single house currently on the property is to be torn down and seven (7) new houses constructed. There are no major concerns with the proposed sanitary sewer system to service the development. The homes will be served by gravity sewer and flow to the Northeast Interceptor. The sanitary sewer main needs extended but no rights of way are involved. A developer's agreement will need to be entered into between the Authority and developer. The plan received approval from the Township and they have contacted Ross and our office to establish a construction escrow account. Glace reviewed and approved the construction escrow account.

Jerrehian-3 Lot Subdivision

Last Activity-July 2011

For the proposed three (3) lot subdivision which was an existing home and two (2) new lots, there were a few minor comments. Horizon Engineers called and discussed both reviews and agreed to make the requested changes five years ago. The WCASD has signed an agreement to dedicate the gravity lines and rights of way to the existing small pumping station at the athletic fields to the Authority.

Pica's Restaurant #233

Last Activity- December 2015

This is for a restaurant on Route 3 on a previously constructed site. New plans were provided to our office twenty four (24) months ago. Glace are discussing extending the sewer main across the rear of their property. Discussed with Ross and developer's engineer. The owner is considering not installing the sewer main at this time through his property.

Summit Realty-#235

Last Activity-April 2015

This was for a proposed WAWA, CVS Pharmacy and bank at the southwest intersection of Five Points Road and Route 3, east of the Borough. It was the former site of James Chevrolet. A second review letter was done twenty five (25) months ago and the sanitary sewer design was approved by our office. Glace reviewed and approved their sanitary sewer escrow account. Site work is continuing and is almost complete. A WSFS bank branch is proposed to be constructed on the last building pad. A review letter for the WSFS Bank branch was sent out four months ago to the developer and township. A single tapping fee was submitted to WGSA in May for the bank building.



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West Chester University-#241

Last Activity-October 2015

This is for the demolition of several buildings on Rosedale Avenue and constructing a new 10,800 sf three story office building for the University.

Ice Line/Howell #242

This is an upgrade to the Ice Line property which was received by the Township four months ago. A review letter was sent out four months ago. There are no major issues with the proposed sanitary sewer design for the sewer lateral.

Reserve at West Goshen-1210 West Chester Pike #244

Last Activity March 2017

A Performance Security Reduction was requested for work completed. We recommended that the Authority release \$44,297.39 for Security Reduction No. 1 and \$13,991.16 for Security Reduction No. 2 in April 2017, leaving a security amount of \$50,750.00. Testing of manholes, testing of laterals, and provision of as-built drawings are remaining to be completed.

Islamic Society- #245

Last Activity March 2017

The Land Development Plan dated April 1, 2016 was reviewed and comments provided on March 22, 2017. A copy of the comment letter is attached for your use.

Smoothie King - #246 1011 West Chester Pike

Last Activity July 2016

This land development plan includes the demolition of an existing single story structure and construction of a new Smoothie King with drive-thru at 1011 West Chester Pike. The Land Development Plans dated May 5, 2016 were reviewed and comments provided to the Wastewater Superintendent for review and comment.

WG Chester County Hospital Expansion - #247 701 E. Marshall Street

Last Activity June 2017

The resubmission of the LS Plans and materials submittals were reviewed and comments provided on May 26, 2017. A major change was made in that the 6-inch diameter laterals were replaced with an 8-inch diameter lateral. We requested that manholes be added and cleanouts be eliminated as a result of the diameter change. A request was made to eliminate the requirement for financial security. HRG requested that a construction cost estimate for the public sanitary sewer facilities be provided for review with the Authority. Nothing has been received at this time.

The Sewage Planning Module was recommended, authorizing 9,600 gallons per day capacity in Taylor Run.

Bush Automotive Collision - SLD13-2016 966 South Matlack Street

Last Activity February 2017

We have completed the initial review of the Bush Automotive Collision Preliminary/Final Land Development Plans for the renovation and expansion of existing buildings at the Bush Automotive Collision commercial site at 966 South Matlack Street. The plans are dated October 7, 2016 as prepared by DL Howell. Relative to the sanitary sewer system, only minor comments were provided in the February 10, 2017 response.



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West Chester Kia - #251 328 Westtown Road

Last Activity February 2017

We have completed our review of the West Chester Kia Preliminary/Final Land Development Plans at 328 Westtown Road. The plans are dated October 12, 2016. Relative to the sanitary sewer system, only minor comments were provided in the February 10, 2017 response.

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/

R007608.0426

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c: West Goshen Sewer Authority
Dave Woodward, Public Works Director
Mike Moffa, WWTP Superintendent
File



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The following summarizes our recent activities performed on behalf of the West Goshen Sewer Authority (WGSA) and West Goshen Township (Township) from May 6 through June 2, 2017:

Projects in Construction

Contract 16-1: 2016 Sanitary Sewer System Repair Project (007608.0425):

We are working on finalizing Change Order No. 2 with NWMCC to finalize work completed for WCD No. 1 which includes the replacement of manhole 1206. The Change Order currently includes an increase to the Contract Price in the amount of \$61,965.67.

June 8 is the final day of the Contract. HRG will be reviewing all final items on the punch list with Township Staff on June 7. As of the time of this report, the final change order is estimated to decrease the Contract Price in the amount of \$101,731 including liquidated damages, reconciliation of final quantities, and acceptance of final punch list items. As a result, the final application for payment is estimated at \$81,548.72. A full verbal report will be given at the Authority Meeting.

Contract 16-2: WWTP Emergency Generator Replacement (004194.0437):

Work on Contract 16-2 is nearing completion. Generator operation/maintenance training by ESSCO, replacement of damaged concrete sidewalk, removal of contaminated soil, and general site restoration remains. A Substantial Completion inspection to establish a list of punchlist items for final completion has been scheduled for June 7, 2017 at 11:30. Final Completion is anticipated by the end of June.

As previously discussed, some contaminated soil was discovered while excavating for and removing the existing underground fuel tank. JD² Environmental is currently working with Clean Earth, Inc. of Philadelphia to manage the hauling and disposal of the soil to their facility, including laboratory testing and all associated costs. A change order proposal for the disposal effort and final direction is forthcoming from JD² Environmental. It is estimated that the soil can be removed from the WWTP site within 2 to 3 weeks upon proposal authorization. JD² Environmental will supervise and document the removal in compliance with PADEP requirements.

We are requesting that the Authority consider approving the change order to remove the contaminated soil for a cost not to exceed \$15,000. This allows the work to continue towards final completion without waiting until July for approval of the Change Order.

Contracts 17-1 and 17-2: WWTP Headworks Improvement Project (004194.0434):

Job Conference No. 2 is scheduled for June 7, 2017 at the WWTP. Work is still expected to begin on June 12, 2017. Two (2) work change directives are being considered for the Authority's approval.

Work Change Directive No. 1 for Contract 17-1 includes revising the hoist requirements, realignment of the grit piping as a result of a change to Veolia's equipment layout and identified through submittal review, and extended the grit equipment flushing piping to the outside of the building as requested by the Township Staff. WCD No. 1 will result in an estimated decrease to the Contract Price in the amount of \$3,156.00. In addition, Veolia is providing a credit of \$867.00 towards the purchase price of their equipment as a result of the change to the orientation of the grit pump.



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Work Change Directive No. 1 for Contract 17-2 includes provision of additional control wiring as required by Veolia and a change from copper to aluminum for several conductors. WCD No. 1 will result in an estimated increase in the Contract Price of \$54.02.

Other Projects/Tasks

By-Pass Pump Station Connections (007608.0435):

Design of the individual by-pass connections and development of the Contract Documents has been completed. An advertisement for bidding was placed on May 19, 2017, and the Contract Documents are available on PennBid for review by potential bidders. HRG has addressed all bidder questions to date, and has developed and posted Addendum No. 1 to provide additional clarifications on June 02, 2017. A Pre-Bid Conference has been scheduled for Wednesday, June 7 at 10:00am at the WWTP.

A General Permit for work associated with the by-pass pump connection for the Westtown Way Pump Station has been submitted to PADEP, since the work will occur within the floodplain. These Permits can take up to 6 months to obtain. We anticipate providing the Permit to the selected Contractor by Field Order after award of the Contract.

The bid opening is scheduled for June 19, 2017 at 1:00pm at the Township Building.

Anaerobic Digester Replacement (007608.0433):

HRG continues to proceed with the process, electrical, control, structural, and mechanical designs, currently at 75% completion. We met with PECO on-site approximately two weeks ago to discuss providing natural gas to the site. PECO will provide service at the cost of trenching and backfilling operations. This work will need to be coordinated with the Driveway Entrance Improvements Project and the Anaerobic Digester Replacement Project. Additionally, we have received the Water Quality Management Part II Permit for Construction Modifications from PADEP. We are currently on schedule to advertise the project for public bids in early July 2017.

WWTP Driveway Entrance Improvements (007608.0430):

Utility relocation efforts continue with the respective utility owners and electrical design is progressing accordingly.

TMDL (007608.0426):

Evoqua was on-site to review each of the three (3) polishing clarifiers. We anticipate that their report will be provided within the next two weeks. Additionally, Evoqua has provided their Draft Co-Mag Pilot Study Report for our review and use. A full verbal report will be provided at the meeting as part of Special Counsel's presentation.

2017 Sanitary Sewer System Repairs (007608.0436):

HRG reviewed the 90% design drawings with the Township Staff. The Staff has eliminated another repair area but requested that we add repair of a third air release valve. This work will require a HOP, which is currently being prepared.



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We also met with Township Staff to collect and review available easement information for the Project. Some easements could not be located. As a result, we plan to schedule a meeting with the Authority's Solicitor to review the information that we have and identify whether or not it will be necessary to obtain additional easements. Work will continue with the goal of advertising the project for public bids in July 2017.

Sanitary Sewer Rate Study

HRG's Financial Services Group has begun work on the rate study as approved by both the Authority and the Township. HRG's Financial Services Team will work directly with the Township Staff on the 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.
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.)