

EAST GOSHEN MUNICIPAL AUTHORITY

June 12, 2023

7:00

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE

- a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS' REPORTS

3. SEWER REPORTS

- a. Director of Public Work's Report
- b. Pennoni Engineer's Report
- c. Big Fish Environmental Report

4. APPROVAL OF MINUTES

- a. May 8, 2023

5. APPROVAL OF INVOICES

• Pennoni	#1172058	\$37.25
• Pennoni	#1172059	\$5,164.00
• Pennoni	#1172060	\$5,770.00
• Pennoni	#1172061	\$1,253.25
• Maillie	#94627	\$707.00 (paid)
• Exeter Supply Co	#371543	\$905.59 (paid)
• Exeter Supply Co	#371544	\$1,030.64 (paid)
• West Goshen Sewer Authority	#EG22-B	\$19,143.34 (paid)
• West Goshen Sewer Authority	#EG22-T	\$47,756.64 (paid)
• Lenni Electric	#230545	\$1,352.00 (paid)
• Lenni Electric	#230546	\$2,008.00 (paid)
• Yale	#S123058116.001	\$17.35 (paid)
• Gawthrop Greenwood	#272291	\$587.00 (paid)
• E & W Equipment Co	#704	\$40,495.80 (paid)
• Kappe Associates	#23-276-M	\$6,415.00 (paid)

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. May 2023

8. OLD BUSINESS

- a. 1010 Hershey Mill Rd ("Miller Property") Subdivision Application: Review and comments due by July 25, 2023 – see Mark for full application and plans
 - i. 4/18/23 letter to TR Moser re: Hershey Mill Pump Station Upgrade Costs

9. **2023 Goals:**

Goal	Status
Ridley Creek plant compliance	January, February, March, April, & May were in compliance and met all requirements.
Continue to implement infiltration and inflow for the sewer system	Ongoing.
Caustic Soda Project	Caustic soda controls are complete. Inspection was done on Wednesday. PWD has to tap the three influent pipes, and then we will be done.
Replace sewer line - Hershey Mill Estates trunk line	Waiting on contractor to complete grading

10. **NEW BUSINESS**

11. **CAPACITY REQUESTS**

12. **ANY OTHER MATTER**

13. **CORRESPONDENCE AND REPORTS OF INTEREST**

14. **PUBLIC COMMENT**

15. **ADJOURNMENT**

**EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199**

To: Municipal Authority

From: Mark Miller

Re: June 12, 2023, Monthly Report

Monthly Flows: The average daily flow to West Goshen was 762,463 per day.

Meters: Were read on a daily basis. Allied Control was on site last week to calibrate the meters. There were no adjustments to any of the meters.

C.C. Collection:

- Pipe Data View was utilized to clean and televise the lines in the Marydell development. PECO has crews installing new electric lines there so we televised to make sure they didn't hit our lines, and it turned out they drilled through our sewer main on Wilson Lane. Public Works had to excavate the main and replace a section of pipe. The contractor will be recharged for our time and material.
- The televising crew found three sections of pipe that needed a point repair. The three point repairs were made without having to plug the line.
- The pump stations were visited on a daily basis and wet wells were washed down.
- A resident contacted the township with a sewer lateral blockage. We televised the lateral once we were made aware of the problem; found heavy root buildup; and removed the tree and ground the stump. The property owner had already call Roto Rooter and signed a contract to replace the lateral.

C.C. Interceptor: Nothing to report

R.C. Collection: The pump station was visited on a daily basis. The wet well was cleaned and the oil level was checked on the generator. We cleared the right of ways in the Wentworth Development and we had to utilize our tree contractor to remove a large ash tree.

Ridley Creek Plant:

- Routine maintenance was performed.
- We tapped the SBR pipe for the caustic soda injection. John Laidley completed his work on the caustic soda controls. (photos attached)
- We have Pipe Data scheduled for this week to vacuum out the tank before fill the tank. I had to order a wash-down shower as part of the project.

Alarms: 14 were received.

PA One Call: 84 were received and marked out.

Monthly Rainfall: 2.1 inches of rain for the month of March

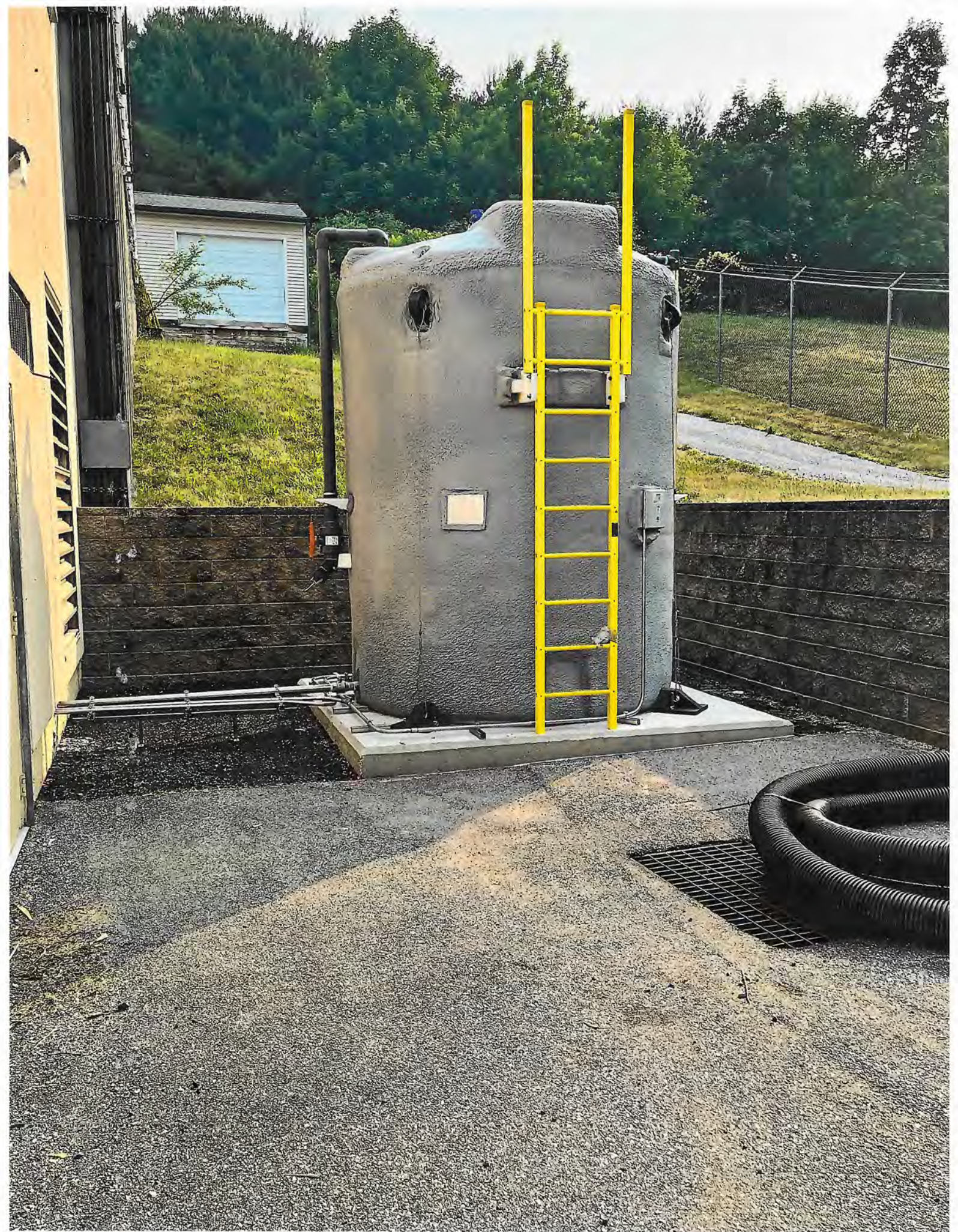
Lateral Repairs or Caps: We did five repairs: two in Bow Tree and three in Clocktower.



Caustic Soda
Feed lines







EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

June 8, 2023

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – The caustic soda tank and associated pumps, piping, and controls have been installed. Jim Wood from Data Design Services inspected the tank on June 7, 2023, as the PADEP certified installer to complete the PADEP Storage Tank Permit/Registration Application. The Township must attach and provide photographic proof of NFPA hazard diamond labels on the tank to Data Design Services before they submit the PADEP Storage Tank Permit/Registration Application. We will continue to provide assistance as needed during any of the Township's remaining construction of the system, including tapping the SBR influent pipes and installation of the emergency shower.
- **UV Disinfection System** – The system is being fabricated, and delivery is scheduled for mid-August 2023. The general and electrical contract bids went live on PennBID on May 22, 2023, and a pre-bid meeting occurred on June 8, 2023.

An updated tentative schedule for the remaining mechanical and electrical contracts' bidding follows:

- Bids Due – June 27, 2023
 - Award Consideration – July 10, 2023 at the Municipal Authority Meeting
 - 1st Notice to Proceed to Contractors: Temporary Bypass Work – August 1, 2023
 - Delivery of UV Equipment – Mid-August 2023
 - Complete Temporary Bypass Work and Initiate Use of Bypass System – October 2, 2023
 - Two Week Trial and Sampling of Temporary Bypass System – October 2-16, 2023
 - Township to Perform Concrete Channel Work – October 16-December 7, 2023
 - 2nd Notice to Proceed to Contractors: Permanent Work – December 8, 2023
 - Redirect Flow back to Permanent Channel (30 days of 2nd NTP) – January 8, 2024
 - Two Week Trial of New UV System in Permanent Channel – January 8-22, 2024
 - Install Second UV Module into Permanent Channel – January 24, 2024
 - Two Week Trial of Second New UV System in Permanent Channel – January 24-February 7, 2024
 - Construction Completed – Mid-February, 2024
- **Generator #2 Replacement** – No activity by Pennoni since our last report. Premium Power Services released the Cummins' 500 kW diesel generator for fabrication in early March 2023. The lead times on the generator and ATS are 43 weeks and 22 weeks respectively so we expect delivery of the entire system around January 2024. We will prepare design for the electrical installation and any slab replacement/modifications in the summer 2023.
 - **Operating Cost Analysis** – As requested by the MA, we are evaluating the operating costs of the RCSTP in an effort to benchmark against other WWTP's. Dave Ware has provided financial data that we have begun to analyze, and we will provide our observations upon completion of the analysis.

Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – No activity by Pennoni since our last report.

The Township is going to commission a TV investigation of the remainder of the Chester Creek interceptor to at least West Chester Pike. We will review and identify any additional needed pipe and manhole repairs beyond those previously identified further upstream and in Supplee Valley. A bid package will then be developed for manhole-to-manhole pipe lining, pipe lining point repairs, pipe and manhole injection grouting, and other applicable rehabilitation along the Chester Creek interceptor. Pipe lining in Supplee Valley will be included to the extent that budget is available, likely as Add Items in the bid.

It is our understanding that there is \$260,000 available for the work this year (\$130,000 in 2023 and \$130,000 carried over from 2022). We are currently anticipating that the interceptor work could be a little over half of the budget, leaving approximately \$100,000 for Supplee Valley. This would address approximately one-third to half of the remaining unlined sewers in the neighborhood. The budget and scope will be defined more precisely upon completion of the remaining interceptor TV inspection.

- Hershey's Mill Estates – Punchlist work and permanent restoration remain to be completed. We are awaiting a schedule from the contractor, but we anticipate that work will occur in July in an effort to avoid topsoiling and seeding in the ongoing period of dry weather.
- Ridley Creek Exposed Sewer Rehab – A full PADEP permit application has been prepared and will be submitted to PADEP in follow-up to the emergency authorization now that construction has been completed.

New Connections

- 1010 Hershey Mill Road (Moser) – We are reviewing the sanitary sewer design as part of the Land Development process.
- 301 Reservoir Road (5-Lot Residential Subdivision) – No activity since our last report.
- 1712 E. Boot Road – No activity since our last report.
- 14 Reservoir Road – We reviewed plans for a sewer connection for one new house on a proposed flag lot subdivision and provided comments to the design consultant.

END OF REPORT



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 is anticipated to meet all effluent limitations regarding water quality for May 2023. All supplemental reports were submitted for April 2023 with the eDMR Discharge to the Applebrook irrigation lagoon resumed during May. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminium sulfate solution volumes decreased slightly to a daily average of 71.6 compared to the previous month at 72.2 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering increased from 396,135 to 510,482 gallons the month. There were no odor complaints during the month.

Table 1

May 2023- Final Effluent - Outfall 001													
NPDES Permit Discharge Limitations	Flow	CBOD ₅		Total Nitrogen		TSS		NH ₄ -N		Total Phosphorus		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	10	62	Report	Report	10	62	2.5	44	0.5	3	200	1,000
	Inst. Max	20	94			15	94	5		1			
Sample Date													
May 9, 2023	0.151	2.0	2.5	5.56	7.0	4.0	5.0	0.10	0.13	0.10	0.13	1	0.0000
May 16, 2023	0.176	2.0	2.9	5.15	7.6	5.6	8.2	0.10	0.15	0.10	0.15	2	0.3010
May 23, 2023	0.181	2.0	3.0	8.12	12.3	4.0	6.0	0.10	0.15	0.13	0.20	3	0.4771
May 30, 2023	0.186	2.0	3.1	10.60	16.4	6.0	9.3	0.10	0.16	0.14	0.22	1	0.0000
Average	0.174	2.0	2.9	7.36	10.8	4.9	7.2	0.10	0.14	0.12	0.17	2	0.1945
Minimum	0.151	2.0	2.5	5.15	7.0	4.0	5.0	0.10	0.13	0.10	0.13	1	0.0000
Maximum	0.186	2.0	3.1	10.60	16.4	6.0	9.3	0.10	0.16	0.14	0.22	3	0.4771

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for May 2023. The monthly average total phosphorus was reported as 0.12 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples were consistently in single digits. The results remain below the weekly maximum of 15 mg/L. The draft month-to-date average TSS is reported as 4.9 mg/L compared to the discharge limitation of 10 mg/L.

The final effluent test results demonstrate that the biological treatment performed well during April. The sequencing batch reactors (SBRs) numbered 2, 3, and 4 were in service. Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS, and total phosphorus. Daily analysis of the final effluent flow equalization grabs samples for total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Discharge to the Applebrook irrigation lagoon, outfall 002 continued through May.

Table 2 illustrates the final effluent composite sample data reported for outfall 002 for May 2023.

Table 2

April 2022 - Applebrook - Out Fall 002													
NPDES Permit Discharge Limitations	Flow	CBOD ₅		Total Nitrogen		TSS		NH ₄ -N		Phosphorus, Total		Fecal Coliform	
	MGD	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	0.135	25		Report	Report	30		7.0	44	0.5	3	200	1,000
		40				45							
May 9, 2023	0.0992	2.0	1.7	5.56	4.60	4.00	3.31	0.10	0.13	0.10	0.13	1	0.0000
May 16, 2023	0.1248	2.0	2.1	5.15	5.36	5.60	5.83	0.10	0.15	0.10	0.15	2	0.3010
May 23, 2023	0.1173	2.0	2.0	8.12	7.94	4.00	3.91	0.10	0.15	0.13	0.20	3	0.4771
May 30, 2023	0.1156	2.0	1.9	10.6	10.2	6.00	5.78	0.10	0.16	0.14	0.22	1	0.0000
Average	0.1142	2.0	1.91	7.36	7.03	4.90	4.71	0.10	0.14	0.12	0.17	2	0.1945
Minimum	0.0992	2.0	1.65	5.15	4.60	4.00	3.31	0.10	0.13	0.10	0.13	1	0.0000
Maximum	0.1248	2.0	2.08	10.6	10.2	6.00	5.83	0.10	0.16	0.14	0.22	3	0.4771

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility generally remained within the design concentration and organic loading values. The TSS and CBOD₅ monthly average weekly concentrations were generally observed to be within the design parameters for the treatment process.

Table 3 presents the pollutant data for the influent wastewater collected at the doghouse manhole during May 2023.

Table 3

May 2023 - Influent Wastewater													
Design Basis	Flow	BOD ₅		CBOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
Sample Date													
May 9, 2023	0.271	245	553	178	402	162	365	26.9	61	45.8	103	4.8	10.8
May 16, 2023	0.332	350	969	203	562	215	595	43.8	121	53.6	148	5.96	16.5
May 23, 2023	0.372	334	1,036	305	946	353	1,095	31.9	99	58.7	182	6.06	18.8
May 30, 2023	0.388	354	1,146	303	981	262	848	39.1	127	56.4	183	5.53	17.9
Average	0.341	321	926	247	723	248	726	5	102	53.6	154	5.59	16.0
Minimum	0.271	245	553	178.0	402	162	365	27	61	45.8	103	4.80	10.8
Maximum	0.388	354	1,146	305	981	353	1,095	44	127	58.7	183	6.06	18.8

The foam on the SBR surface remained consistent during May, with approximately 10% to 20% coverage of the surface area. The foam thickness is approximately 2 inches and is light to medium brown. These conditions may contribute to a decrease in clarity within the final effluent post-flow equalization basins; however, the clarity is improved after passing through the disc filters. The

operation strategy is to lower the MLSS to maintain a F:M ratio 0.06 while ensuring the ammonia effluent discharge concentration remains within the 2.5 mg/L seasonal limits.

PA DEP

No activity

Pennoni Associates

UV System construction update.

Significant Rainfall

During May, there were five (5) days when rainfall occurred. One (1) event had rainfall exceeding 0.5 inches in 24 hours.

May 1st 0.77 inches

The total rainfall for the month of May was a total 0.98 inches.

Chemical Usage:

May 2023		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	300	9,300
Aluminum Sulfate solution, gal	71.6	2,221
Sludge Dewatering, gal*	21,270	510,482

*The centrifuge was operated 24 days during the month.

Flow data:

May 2023			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	11.493	370,770	505,470
Influent Wastewater to SBRs*	12.378	399,277	510,592
Internal Recycle**	0.892	28,771	59,838
Treated Effluent to Disc Filters	11.984	386,581	526,720
Final Effluent Discharge	5.711	184,000	255,000

Applebrook Golf Course	3.680	118,700	227,700
------------------------	-------	---------	---------

During May, the average monthly influent wastewater flow measured at the “field” flow meter was 370,770 gallons/day, compared to the influent flow into the SBRs as 390,277 gallons/day. The difference between the daily averages is 28,507 gpd, consistent with the average daily volume of internal recycle flow of 28,771 gpd. These values are considered typical as the flows to the SBR should be greater due to including all the internal recycle flows.

Minor Preventative Maintenance

Flushed chemical feed lines to the SBRs.

Cleaned final effluent weir trough daily

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly

Cleaned buildings and laboratory.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
May 8, 2023

The East Goshen Township Municipal Authority held their regular meeting on Monday, May 8, 2023 at 7:00 pm. at the Township Building. Members in attendance are indicated in **BOLD**:

Kevin Cummings, Chairman
Dana Pizarro, Vice Chairman
Jack Yahraes
Carmen Battavio
Walter Wujcik

Also in attendance were: Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), Patrick McKenna (Attorney), Dave Ware (Finance Director), Michael Lynch (Township Supervisor) and Scott Towler (Big Fish) on the phone.

COMMON ACRONYMS:

<i>ATS – Automatic Transfer Switch</i>	<i>MA- Municipal Authority</i>
<i>BFES – Big Fish Environmental Services</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
<i>BOS – Board of Supervisors</i>	<i>PC – Planning Commission</i>
<i>CB – Conservancy Board</i>	<i>PM – Prevention Maintenance</i>
<i>DEP – Department of Environmental Protection</i>	<i>PR – Park & Recreation Board</i>
<i>EPA – Environmental protection Agency</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>HC – Historical Commission</i>	<i>SBR – Sequencing Batch Reactor</i>
<i>I&I – Inflow & Infiltration</i>	<i>SSO – Sanitary System Overflow</i>
<i>LCSTP – Lockwood Chase Sewer Treatment Plant</i>	<i>WAS – Waste Activated Sludge</i>
<i>PWD – Public Works Department</i>	

Call to Order & Pledge of Allegiance

Kevin called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. He asked for a moment of silence for our First Responders and Military. He asked if anyone would be recording the meeting. There was no response.

Chairman's Report

Mark mentioned that he did give a card and small gift to Sue Smith to thank her for her years of service.

SEWER REPORTS

1. Director of Public Works, Mark Miller's report for May 8, 2023

Monthly Flows – The average daily flow to West Goshen was 771,564 gallons per day.

Meters: The meters were read on a daily basis. Lynn was entering the numbers and was quick to point out that the Wilson Dr. meter was reading high. I sent the guys to clean the channel and the transducer cone. Kevin called West Goshen to let them know that their side of the collection system needed cleaning. He also suggested that they televise the pipe. Matt Halverson had his crew come

the following day to clean and televise. I contacted Allied Control who came out and calibrated the meter.

C.C. Collection: We performed routine maintenance, mostly housekeeping chores. There were no emergency call outs. Generator ran under load. Lenni visited the stations and performed their semi-annual electrical inspections. All lugs in the panels were checked for tightness and amperage readings were done on the equipment. A report was filled out for each station. We are going to schedule a night to replace the air releases as they are showing signs of weeping. The work needs to be performed when flows are down.

C.C. Interceptor: Nothing to report.

R.C. Collection: The pump stations were visited on a daily basis. There were no problems to report. Lenni was onsite to perform their inspection and maintenance.

Ridley Creek Plant: Caustic soda upgrades are ongoing; tank and conduit lines were installed, and next, John Laidley is due in to do electronics (pictures attached).

Alarms: 26 were received and most were weather related (power outages).

PA 1 Calls: Keeping us busy – over 100 for the month of April

Monthly Rainfall: 7.00 inches of rain for the month of April.

Lateral Repairs or Caps: Four repairs (caps & cleanouts) were done by Steven.

2. Pennoni Engineer's Report dated May 5, 2023

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – The caustic soda tank has been installed. Electrical and controls work is ongoing. We coordinated with the Township and controls contractor on the controls logic for the caustic soda feed pumps. We will continue to provide assistance as needed during any of the Township's remaining construction of the system.
- UV Disinfection System – The system is being fabricated, and we confirmed with the vendor that delivery is tentatively scheduled for mid-August 2023. We are currently finalizing the plans, bid documents, and technical specifications for the mechanical and electrical contracts accordingly.

An updated tentative schedule for the mechanical and electrical contracts' bidding follows;

- Bid Advertisement – May 22, 2023
- Bids Due – June 23, 2023
- Award Consideration – July 10, 2023 at the Municipal Authority Meeting
- Delivery of UV Equipment – Mid-August 2023
- 1st Notice to Proceed to Contractors: Temporary Bypass Work – Mid-August 2023
- Township to Begin Concrete Channel Raising – Mid-September 2023

- 2nd Notice to Proceed to Contractors: Permanent Work – Mid-November 2023
- Construction Completed – January 2024

We are evaluating the construction portion of this schedule further with the operator because it results in the bulk of construction during hurricane season.

We are approaching the \$30,000 estimated budget for the design, UV fabrication administration and submittals review, and bid services for the project. We anticipate an additional \$10,000 will be needed to finalize the bid documents and structural (channel wall raising) design, submit plans to PADEP, and administer the bid. We also estimate \$10,000 for construction phase services, for a total supplement of \$20,000. All effort will be billed at our approved hourly rates.

- Generator #2 Replacement – No activity by Pennoni since our last report. Premium Power Services released the Cummins' 500 kW diesel generator for fabrication in early March 2023. The lead times on the generator and ATS are 43 weeks and 22 weeks respectively, so we expect delivery of the entire system around January 2024. We will prepare design for the electrical installation and any slab replacement/modifications in the summer 2023.
- Operating Cost Analysis – As requested by the MA, we are evaluating the operating costs of the RCSTP in an effort to benchmark against other WWTP's. Dave Ware has provided financial data that we have begun to analyze, and we will provide our observations upon completion of the analysis.

Sanitary Sewer Pipe Rehab

- Chester Creek Sewer Rehab – The Township is going to commission a TV investigation of the remainder of the Chester Creek interceptor to at least West Chester Pike. We will review and identify any additional needed pipe and manhole repairs beyond those previously identified further upstream and in Supplee Valley. A bid package will then be developed for manhole-to-manhole pipe lining, pipe lining point repairs, pipe and manhole injection grouting, and other applicable rehabilitation along the Chester Creek interceptor. Pipe lining in Supplee Valley will be included to the extent that budget is available, likely as Add Items in the bid.

It is our understanding that there is \$260,000 available for the work this year (\$130,000 in 2023 and \$130,000 carried over from 2022). We are currently anticipating that the interceptor work could be a little over half of the budget, leaving approximately \$100,000 for Supplee Valley. This would address approximately one-third to half of the remaining unlined sewers in the neighborhood. The budget and scope will be defined more precisely upon completion of the remaining interceptor TV inspection.

- Hershey's Mill Estates – The contractor performed manhole vacuum testing and sewer pipe pressure testing. TV inspections, punchlist work, and permanent restoration remain to be completed.

We processed Payment Application #2 and provided a payment recommendation letter to the Township. We also reviewed three Change Orders, only one of which was agreed to proceed with. We processed that Change Order accordingly, which is for a cast-in-place concrete footing extension for the storm sewer headwall.

- Ridley Creek Exposed Sewer Rehab – A full PADEP permit application has been prepared and will be submitted to PADEP in follow-up to the emergency authorization now that construction has been completed.

New Connections

- 1010 Hershey Mill Road (Moser) – We are preparing a letter confirming capacity in the conveyance system as requested by the design consultant for the Planning Module. We anticipate the design consultant will then finalize and submit the Sewage Facilities Planning Module for review.
- 301 Reservoir Road (5-Lot Residential Subdivision) – We reviewed a plan for the proposed gravity sewer extension, and we will provide comments to the design consultant.
- 1712 E. Boot Road – We are reviewing the plan for a proposed grinder pump and low pressure sewer service connection to the existing residence.

NOTE – After discussion of the UV Disinfection System, Dana made a motion to approve the following:

1. Increase the Design Phase budget by \$10,000
 2. Increase the Construction Phase budget by \$10,000
- for a total supplement not to exceed \$20,000. Carmen seconded the motion. The motion passed unanimously.

3. Big Fish Environmental Services –

The Ridley Creek sewage treatment plant outfall 001 is anticipated to meet all effluent limitations regarding water quality for April 2023. All supplemental reports were submitted for the month of March 2023 with the eDMR. Discharge to the Applebrook irrigation lagoon resumed on April 17th. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminium sulfate solution volumes increased slightly to a daily average of 72.2 compared to the previous month at 71.6 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering decreased from 553,982 to 396,135 gallons per month. There were no odor complaints during the month.

He discussed flows and reporting process. They are sending outflow to Applebrook of 134,000 gallons per month. Kevin asked if there is anyplace to get data from other municipalities so we can make a comparison. Scott will follow up.

Approval of Minutes

The minutes of the April 10, 2023 meeting were approved as amended.

Approval of Invoices

1. Jack moved to approve payment of the following Pennoni invoices:
 - a. Pennoni Invoice #1167569 \$ 2,926.75
 - b. Pennoni Invoice #1167570 \$ 3,663.25
 - c. Pennoni Invoice #1167571 \$ 1,377.25

Carmen seconded the motion. The motion passed unanimously.



INVOICE

Remit Payment To:
Pennoni Associates Inc.
P.O. Box 827328
Philadelphia, PA 19182-7328

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1172058
Invoice Date : 05/25/2023
Project : EGMAU20004
Project Name : RCSTP Caustic Soda
Conversion

For Services Rendered Through 05/14/2023

Provided guidance to Township on feed pump controls logic and emergency shower requirements.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting	\$26,500.00	\$26,500.00	100.00%	\$26,500.00	\$0.00
02 -- Construction Phase Services	est. \$5,400.00	\$1,391.50		\$1,428.75	\$37.25
Total :	\$31,900.00	\$27,891.50		\$27,928.75	\$37.25

Phase: 02 -- Construction Phase Services

Labor

Class	Hours	Rate	Amount
Authority Engineer	0.50	149.00	74.50

Labor

----- 74.50

Phase Subtotal

\$37.25

Amount Due This Invoice

\$37.25

 6/8/23

West Goshen RCSTP Caustic Soda Conversion
EGMAU20004 Invoice Summary
Invoice Date 5/25/2023

Project:	EGMAU20004		
Pennoni Job No.:	RCSTP Caustic Soda Conversion		
Invoice No:	1172058		
Invoice Period:	2/13/2023	to	5/14/2023
Initial Authorization:	\$ 31,900.00	Date:	5/25/2023
Contract Amount:	\$ 31,900.00		
Previously Invoiced:	\$ 27,891.50		
Current Invoice:	\$ 37.25		
Invoiced to Date (\$):	\$ 27,928.75		
Invoiced to Date (%):	88%		
Remaining Budget (\$):	\$ 3,971.25		
Remaining Budget (%):	12%		

Budget by Phase:

Phase Name:	RCSTP Caustic Soda Conversion		
Phase Budget:	\$ 31,900.00		
Previously Invoiced:	\$ 27,891.50		
Current Invoice:	\$ 37.25		
Invoiced to Date (\$):	\$ 27,928.75		
Invoiced to Date (%):	88%		
Remaining Budget (\$):	\$ 3,971.25		
Remaining Budget (%):	12%		

Comments: Provided guidance to Township on feed pump controls logic and emergency shower requirements.



INVOICE

Remit Payment To:
Pennoni Associates Inc.
P.O. Box 827328
Philadelphia, PA 19182-7328

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1172059
Invoice Date : 05/25/2023
Project : EGMAU21004
Project Name : HM Estates Sewer
Design & Permitting

For Services Rendered Through 05/14/2023

Construction Admin & Inspections: Performed inspections during pipe air testing, mandrel testing, TV inspections, and manhole vacuum testing, manhole restoration work and re-testing, completion work on cleanout stacks, and E&S inspections. Performed punchlist inspection. Processed Pay Application #2 including field quantity measurements, processed Change Order #1, and coordinated for resolution of other change order requests with the contractor.

Phase Code / Name		Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Wetland & Watercourse Investigation		\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
02 -- Phase I Bog Turtle Habitat Assessment		\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
03 -- Survey		\$17,200.00	\$17,200.00	100.00%	\$17,200.00	\$0.00
04 -- Design		\$26,100.00	\$26,100.00	100.00%	\$26,100.00	\$0.00
05 -- Permitting		\$8,000.00	\$8,000.00	100.00%	\$8,000.00	\$0.00
06 -- Property Line Stakeout	est.	\$5,000.00	\$7,520.50		\$7,520.50	\$0.00
07 -- Geotechnical	NTE	\$10,000.00	\$6,271.25	62.71%	\$6,271.25	\$0.00
08 -- Bid Assistance	NTE	\$9,690.50	\$9,690.50	100.00%	\$9,690.50	\$0.00
09 -- Construction Admin & Inspection	NTE	\$60,000.00	\$44,305.50	82.45%	\$49,469.50	\$5,164.00
Total :		\$149,490.50	\$132,587.75		\$137,751.75	\$5,164.00

Phase: 09 -- Construction Admin & Inspection

Labor

Class	Hours	Rate	Amount
Authority Engineer	2.00	149.00	298.00
Associate Professional	4.00	111.00	444.00
Sr. Eng Tech	6.00	107.00	642.00
Engineering Tech	42.00	90.00	3,780.00

Labor

5,164.00

Phase Subtotal

\$5,164.00

Amount Due This Invoice

\$5,164.00


6/8/23

West Goshen HM Estates Sewer Design Permitting
EGMAU21004 Invoice Summary
Invoice Date 5/25/2023

Project: EGMAU21004
Pennoni Job No.: HM Estates Sewer Design & Permitting
Invoice No: 1172059
Invoice Period: 4/16/2023 to 5/14/2023
Date: 5/25/2023
Initial Authorization: \$ 64,800.00
Contract Amount: \$ 149,490.50
Previously Invoiced: \$ 132,587.75
Current Invoice: \$ 5,164.00
Invoiced to Date (\$): \$ 137,751.75
Invoiced to Date (%): 92%
Remaining Budget (\$): \$ 11,738.75
Remaining Budget (%): 8%

Budget by Phase:

Phase Name: HM Estates Sewer Design & Permitting
Phase Budget: \$ 149,490.50
Previously Invoiced: \$ 132,587.75
Current Invoice: \$ 5,164.00
Invoiced to Date (\$): \$ 137,751.75
Invoiced to Date (%): 92%
Remaining Budget (\$): \$ 11,738.75
Remaining Budget (%): 8%

Comments: Construction Admin & Inspections: Performed inspections during pipe air testing, mandrel testing, TV inspections, and manhole vacuum testing, manhole restoration work and re-testing, completion work on cleanout stacks, and E&S inspections. Performed punchlist inspection. Processed Pay Application #2 including field quantity measurements, processed Change Order #1, and coordinated for resolution of other change order requests with the contractor.

David Ware
East Goshen Municipal Authority
1580 PAOLI PIKE
WEST CHESTER, PA 19380-6107

Date 3/31/2023
Invoice Number: 94627
Client: 2500.000
Due Date: Upon Receipt

Billing for time incurred from March 1, 2023 through March 31, 2023 for the following services:

Final billing on December 31, 2022 audit

Invoice Total: \$707.00

PAID

APPROVED BY: _____
DATE PAID: _____
CHECK #: _____
CHARGED TO: 57-424-3110

Please return this portion with payment.

ID: 2500
East Goshen Municipal Authority

Date: 3/31/2023
Due Date: Upon Receipt

Invoice: 94627
Amount Due: \$707.00

Amount Enclosed: \$ _____

Please make checks payable to Maillie LLP.



INVOICE

Remit Payment To:
Pennoni Associates Inc.
P.O. Box 827328
Philadelphia, PA 19182-7328

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1172060
Invoice Date : 05/25/2023
Project : EGMAU22004
Project Name : RCSTP UV
Replacement

For Services Rendered Through 05/14/2023

Prepared specifications; continued electrical design including site visit for electrical design and scoping with electrician; continued structural design for raising concrete channel walls; reviewed updated temporary UV channel submittal from Glasco; developed bid schedule; and coordinated equipment delivery schedule with vendor.

Phase 01 Professional Services

Labor

	Hours	Rate	Amount
Authority Engineer	1.75	149.00	260.75
Senior Professional	20.75	145.00	3,008.75
Associate Professional	20.50	111.00	2,275.50
Engineering Tech	2.50	90.00	225.00
Totals	45.50		5,770.00
Total Labor			5,770.00

Billing Limits

	Current	Prior	To-Date
Total Billings	5,770.00	28,489.25	34,259.25
Limit			40,000.00
Remaining			5,740.75

Total this Phase \$5,770.00

Total this Invoice \$5,770.00

PA 6/8/23

RCSTP UV Replacement
EGMAU22004 Invoice Summary
Invoice Date 05/25/2023

Project: EGMAU22004
Pennoni Job No.: RCSTP UV Replacement
Invoice No: 1172060
Invoice Period: 12/19/2022 to 5/14/2023
Date: 5/25/2023
Initial Authorization: \$ 30,000.00
Contract Amount: \$ 50,000.00
Previously Invoiced: \$ 28,489.25
Current Invoice: \$ 5,770.00
Invoiced to Date (\$): \$ 34,259.25
Invoiced to Date (%): 69%
Remaining Budget (\$): \$ 15,740.75
Remaining Budget (%): 31%

Budget by Phase:

Phase Name:	RCSTP UV Replacement	1129796
Phase Budget:	\$ 50,000.00	
Previously Invoiced:	\$ 28,489.25	
Current Invoice:	\$ 5,770.00	
Invoiced to Date (\$):	\$ 34,259.25	
Invoiced to Date (%):	69%	
Remaining Budget (\$):	\$ 15,740.75	
Remaining Budget (%):	31%	

Comments: Prepared specifications; continued electrical design including site visit for electrical design and scoping with electrician; continued structural design for raising concrete channel walls; reviewed updated temporary UV channel submittal from Glasco; developed bid schedule; and coordinated equipment delivery schedule with vendor.

 6/8/23



INVOICE

Remit Payment To:
Pennoni Associates Inc.
P.O. Box 827328
Philadelphia, PA 19182-7328

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1172061
Invoice Date : 05/25/2023
Project : EGMAU23001
Project Name : 2023 General
Services

For Services Rendered Through 05/14/2023

Prepared May Engineer's Report and attended May MA meeting. Reviewed RCSTP operator's report. Initiated analysis of RCSTP operating costs for industry baseline cost evaluation. Reviewed sewer lateral plan for proposed 1712 E. Boot Rd sewer connection. Discussed 1010 Hershey's Mill Rd (Moser) land development sewer capacity certification procedure with PW Director.

Billing Limits	Current	Prior	To-Date
Total Billings	1,253.25	12,054.75	13,308.00
Limit			42,000.00
Remaining			28,692.00

Labor

	Hours	Rate	Amount
Authority Engineer	4.50	149.00	670.50
Associate Professional	5.25	111.00	582.75
Totals	9.75		1,253.25
Total Labor			1,253.25

Total this Invoice \$1,253.25

Handwritten signature and date 6/18/27

INVOICES DUE ON RECEIPT. Invoices outstanding over 30 days will have a Service Charge of 1 1/2% per month.

2023 General Services
EGMAU23001Invoice Summary
Invoice Date 5/25/2023

Project: EGMAU23001
Pennoni Job No.: 2023 General Services
Invoice No: 1172061
Invoice Period: 4/17/2023 to 5/14/2023
Initial Authorization: \$ 42,000.00 Date: 5/25/2023
Contract Amount: \$ 42,000.00
Previously Invoiced: \$ 12,054.75
Current Invoice: \$ 1,253.25
Invoiced to Date (\$): \$ 13,308.00
Invoiced to Date (%): 32%
Remaining Budget (\$): \$ 28,692.00
Remaining Budget (%): 68%

Budget by Phase:

Phase Name: 2023 General Services
Phase Budget: \$ 42,000.00
Previously Invoiced: \$ 12,054.75
Current Invoice: \$ 1,253.25
Invoiced to Date (\$): \$ 13,308.00
Invoiced to Date (%): 32%
Remaining Budget (\$): \$ 28,692.00
Remaining Budget (%): 68%

Comments: Prepared May Engineer's Report and attended May MA meeting. Reviewed RCSTP operator's report. Initiated analysis of RCSTP operating costs for industry baseline cost evaluation. Reviewed sewer lateral plan for proposed 1712 E. Boot Rd sewer connection. Discussed 1010 Hershey's Mill Rd (Moser) land development sewer capacity certification procedure with PW Director

 6/18/23

- 1 2. Jack moved to approve Colonial Electric paid invoice #15149626 in the amount of \$890.32.
2 Kevin seconded the motion. The motion passed unanimously.
3 3. Walter moved to approve payment of the Exeter Supply Co paid invoice #371531 in the amount of
4 \$2,574.00. Dana seconded the motion. The motion passed unanimously.
5
6 4. Carmen moved to approve the Gap Power paid invoices as follows:
7 #1829012 \$ 441.00
8 #1830342 \$1,329.93
9 Dana seconded the motion. The motion passed unanimously.
10
11 5. Jack moved to approve payment of the Main Line Concrete & Supply invoice #515921 in the
12 amount of \$1,930.00. Carmen seconded the motion. The motion passed unanimously.
13
14 6. Walter moved to approve payment of the 10 paid Yale invoices totaling \$4,313.05. Jack seconded
15 the motion. The motion passed unanimously.
16

17 **Liaison Reports**

- 18 1. Conservancy Board – Walter reported that they collected the same amount of trash as last year on
19 KEGBD. East Goshen received the USA Tree City designation, and the CB planted a tree in Clymers
20 Woods.
21 2. Board of Supervisors – Mike Lynch reported that the Willistown BOS had a special meeting,
22 which he attended, and they finally voted not to sell to Aqua. They are thinking of forming a
23 Municipal Authority. Carmen mentioned that a study was done about having a Municipal Authority.
24 Dave mentioned that coming to the meetings showed him the amount of work, expenses, etc. that are
25 involved with the Municipal Authority.
26

27 **Financial Reports**

- 28 Dave Ware presented the following report:
29 Year to date April 2023, the Municipal Authority recorded \$322,521 in revenues (primarily from
30 Sewer Operating and Sewer Capital Reserve transfers) and \$323,103 in expenses (Engineering
31 Services, Audit fees, Administrative Wages, Hershey's Mill Estates Sewer costs, Caustic Soda
32 project costs, capital costs at the Ridley Creek Sanitary Treatment Plant, and capital improvements to
33 the Westtown Way Pump station), for a net result of operations of (\$582). As of April 30, 2023, the
34 fund balance was \$4,590.
35

36 **Old Business**

- 37 1. TR Moser – Mark discussed the Hershey Mill Road upgrade station with the Moser development.
38

39 **Goals**

- 40 The Goals were reviewed.
41

42 **New Business**

- 43 1. Public Works Staffing – Dave commented that he is going to the BOS to ask for 2 more field staff
44 members. Mark spoke about all that Public Works does. Dave provided charts showing the increase
45 in time and dollars spent on sewer/stormwater projects. Carmen agreed that Public Works is
46 understaffed. Mark needs to replace a staff member who just left and request 2 additional staff
47 members.

1 **Capacity Requests**

2 1 1712 Boot Road – Mark explained what they want to do to replace the house with a new one and
3 hook into the sewer system. Carmen moved to approve this capacity request for 1712 Boot Road.
4 Walter seconded the motion. The motion passed unanimously.
5

6 **Any Other Matter** – None
7

8 **Correspondence-** None
9

10 **West Goshen News**

- 11 a. Westtown Way Pump Station – contractor is doing what they can. The VFDs won't be
12 delivered until July 28th. The VFDs must be in place when they do the bypass pumping in
13 September or October
14 b. West Goshen Sewer Plant – They applied for a grant to replace the screw pump and were
15 awarded \$610,000. Comag system is working very well and is meeting DEP requirements.
16
17

18 **Public Comment -** None
19
20

21 **Adjournment**

22 There being no further business Dana moved to adjourn the meeting. Jack seconded the motion. The
23 motion passed unanimously. The meeting was adjourned at 8:35 pm.
24 The next regular meeting will be held on Monday, June 12, 2023 at 7:00 pm.
25

26 Respectfully submitted,
27
28

29 Ruth Kiefer, Recording Secretary



117 Prospect Street
Reading, PA 19606
Phone: 610-779-4230

INVOICE

Page No 1

OFFICE

P.O. Number	Authorization	Invoice#	Invoice Date	Terms	Order Date
		371543	4/30/23	Net 30 Days	4/20/23
Ship Via	Order #	Bill of Lading	Ppd/Col	Shipped From	Salesperson
CUST PICK UP	07447300			Downingtown, PA	Scott Siderio

Cust # 270260

Entered By: 503
05/03/23 15:00

Sold To EAST GOSHEN MUN. AUTH.
1580 PAOLI PIKE
WEST CHESTER PA 19380

Ship To EAST GOSHEN MUN. AUTH.
1580 PAOLI PIKE
WEST CHESTER PA 19380

Job Info

Ordered	B/O	Shipped	Our Stock #/Description/Your Part #	Unit Price	UM	Extended Price	CD%
4		4	B-25008-3N CORP BALL STOP CC X CTS COMP. 3/4"	118.11	EA	472.44	
1		1	313-051407-000 SERVICE SADDLE 4.74X5.14 X 3/4CC	59.71	EA	59.71	
3		3	313-143207-000 SERVICE SADDLE 12.62-14.32 12X3/4CC	124.48	EA	373.44	

PAID

APPROVED BY: MS

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07420-1520

Cash Discount Available	Interest of 1.5% per Month on Past Due Invoices	Sub Total	Freight	Sales Tax	Invoice Total
		905.59		0.00	905.59

All merchandise returned for credit must be authorized and include order or invoice #. A service charge will apply. Title to the above materials shall remain in Exeter Supply Co., Inc. until the full purchase price is paid; that said materials shall not be removed by customer from place of delivery, sold, mortgaged, or otherwise encumbered, nor shall a lien be permitted to be acquired thereon by attachment, levy, or

otherwise; that said materials shall be kept insured by customer against loss or damage for the amount remaining due for the benefit of Exeter Supply Co., Inc. as its interest may appear; and that in default of paying when due, or if there is a breach of any of the above conditions, Exeter Supply Co., Inc. at its option may take immediate possession of said materials and supplies without notice.



117 Prospect Street
Reading, PA 19606
Phone: 610-779-4230

INVOICE

Page No 1

OFFICE

P.O. Number	Authorization	Invoice#	Invoice Date	Terms	Order Date
	STEVE BIONDI	371544	4/30/23	Net 30 Days	4/24/23
Ship Via	Order #	Bill of Lading	Ppd/Col	Shipped From	Salesperson
CUST PICK UP	07448690			Downingtown, PA	Scott Siderio

Cust # 270260

Entered By: 503
05/03/23 15:00

Sold To EAST GOSHEN MUN. AUTH.
1580 PAOLI PIKE
WEST CHESTER PA 19380

Ship To EAST GOSHEN MUN. AUTH.
1580 PAOLI PIKE
WEST CHESTER PA 19380

Job Info

Ordered	B/O	Shipped	Our Stock #/Description/Your Part #	Unit Price	UM	Extended Price	CD%
300		300	SCH40-2 SCH 40 PIPE 2"	3.04	FT	912.00	
15		15	SCH40-2C0 SCH. 40 COUPLING 2"	2.12	EA	31.80	
10		10	SCH40-290 SCH40 PVC PRESSURE 90 BEND 2"	3.54	EA	35.40	
1		1	SCH40-CEM1500QT SCH40 PVC CEMENT QUART 1536S QUART	27.64	EA	27.64	
1		1	SCH40-PRIM8700Q SCH40 PVC PRIMER QUART	23.80	EA	23.80	

PAID

APPROVED BY: MAM
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07429-1520

Cash Discount Available	Interest of 1.5% per Month on Past Due Invoices	Sub Total	Freight	Sales Tax	Invoice Total
		1,030.64		0.00	1,030.64

All merchandise returned for credit must be authorized and include order or invoice #. A service charge will apply. Title to the above materials shall remain in Exeter Supply Co., Inc. until the full purchase price is paid; that said materials shall not be removed by customer from place of delivery, sold, mortgaged, or otherwise encumbered, nor shall a lien be permitted to be acquired thereon by attachment, levy, or

otherwise; that said materials shall be kept insured by customer against loss or damage for the amount remaining due for the benefit of Exeter Supply Co., Inc. as its interest may appear; and that in default of paying when due, or if there is a breach of any of the above conditions, Exeter Supply Co., Inc. at its option may take immediate possession of said materials and supplies without notice.

West Goshen Sewer Authority



848 S. Concord Road
West Chester, PA 19382
P: 610-696-0900
F: 610-429-9360

INVOICE

Date: May 5, 2023
Invoice #: EG22-B
For: 2022 WG Sewer Authority
Bond Fund Expenses
Bill To: East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

DESCRIPTION	AMOUNT
Costs (Bond related) for projects of the West Goshen Sewer Authority as per Memorandum Agreement No. VIII of June 20, 2017 for the period of January 01, 2022 through December 31, 2022 (details attached).	114,837.09

PAID

APPROVED BY: _____
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-429-6100

SUBTOTAL	\$114,837.09
Capacity %	16.67%
OTHER	\$0.00
TOTAL	\$19,143.34

Please make check payable to:
West Goshen Sewer Authority

THANK YOU!

West Goshen Sewer Authority
BOND FUND
Expense Detail - 2022
East Goshen Township

Project	Vendor	Amount Allocated
AERATION	OPTIMUM CONTROLS CORPORATION	6,249.00
SCADA SYSTEM	AMAZON CAPITAL SERVICES, INC.	465.11
SCADA SYSTEM	AMAZON CAPITAL SERVICES, INC.	765.09
SCADA SYSTEM	HELP NOW	743.00
SCADA SYSTEM	HELP NOW	1,000.00
SCADA - Blower Building	OPTIMUM CONTROLS CORPORATION	16,335.75
SCADA - Lift Station	OPTIMUM CONTROLS CORPORATION	30,964.00
SCADA - Fiber Patch Panels	OPTIMUM CONTROLS CORPORATION	917.12
SCADA - Blower Building	OPTIMUM CONTROLS CORPORATION	4,462.92
SCADA - Fiber Patch Panels	OPTIMUM CONTROLS CORPORATION	47,991.00
SCADA - EQ Building	OPTIMUM CONTROLS CORPORATION	1,158.69
SCADA - Blower Building	OPTIMUM CONTROLS CORPORATION	1,630.14
SCADA - Headworks Building	OPTIMUM CONTROLS CORPORATION	2,155.27
Total Allocated		114,837.09

West Goshen Sewer Authority



848 S. Concord Road
West Chester, PA 19382
P: 610-696-0900
F: 610-429-9360

INVOICE

Date: May 5, 2023
Invoice #: EG22-T
For: 2022 WG Sewer Authority
Tapping Fee Fund Expenses
Bill To: East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

DESCRIPTION	AMOUNT
Costs (Non-Bond related) for projects of the West Goshen Sewer Authority as per Memorandum Agreement No. VIII of June 20, 2017 for the period of January 01, 2022 through December 31, 2022 (details attached).	286,482.53

PAID

APPROVED BY: _____

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07-429-6100

SUBTOTAL	\$286,482.53
Capacity %	16.67%
OTHER	\$0.00
TOTAL	\$47,756.64

Please make check payable to:
West Goshen Sewer Authority

THANK YOU!

West Goshen Sewer Authority
TAPPING FEE FUND
Expense Detail - 2022
East Goshen Township

Project	Vendor	Amount Allocated
BOILER (BUILDING HEAT)	BRANDYWINE VALLEY HEATING & AC	19,885.00
BOILER (BUILDING HEAT)	FERGUSON ENTERPRISES, INC.	543.53
BOILER (BUILDING HEAT)	FERGUSON ENTERPRISES, INC.	10,182.55
BOILER (BUILDING HEAT)	FERGUSON ENTERPRISES, INC.	371.06
LEGAL (HEADWORKS) - Screw Pump	UNRUH TURNER BURKE & FREES	180.00
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	7,152.00
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	9,186.21
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	20,475.18
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	22,661.00
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	18,650.79
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	41,570.82
PRIMARY CLAIRIFIER REHAB #1	G.M.H. ASSOCIATES OF AMERICA, INC.	14,304.00
PRIMARY CLAIRIFIER REHAB #1	MCMaster-CARR SUPPLY COMPANY	2,999.50
PRIMARY CLAIRIFIER REHAB #1	MCMaster-CARR SUPPLY COMPANY	800.27
SCADA - PROFESSIONAL SERVICES	AMAZON CAPITAL SERVICES, INC.	173.92
SCADA - PROFESSIONAL SERVICES	HELP NOW	200.00
SCADA - PROFESSIONAL SERVICES	OPTIMUM CONTROLS CORPORATION	1,475.64
SCADA - PROFESSIONAL SERVICES	OPTIMUM CONTROLS CORPORATION	2,076.44
SCADA - PROFESSIONAL SERVICES	OPTIMUM CONTROLS CORPORATION	832.82
SCADA - PROFESSIONAL SERVICES	OPTIMUM CONTROLS CORPORATION	61,645.00
SCADA - PROFESSIONAL SERVICES	OPTIMUM CONTROLS CORPORATION	32,015.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	191.50
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	2,263.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	347.50
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	233.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	2,193.50
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	1,763.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	314.00
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	38.00
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	665.00
TMDL	UNRUH TURNER BURKE & FREES	40.00
TMDL	UNRUH TURNER BURKE & FREES	200.00
TMDL	UNRUH TURNER BURKE & FREES	140.00
TMDL	UNRUH TURNER BURKE & FREES	40.00
TMDL	UNRUH TURNER BURKE & FREES	100.00
TMDL	UNRUH TURNER BURKE & FREES	40.00
TMDL	UNRUH TURNER BURKE & FREES	40.00
TMDL	UNRUH TURNER BURKE & FREES	40.00
UV SYSTEM ACTUATED VALVE	TRI-STATE TECHNICAL SALES CORP	5,316.00
WAS FLOW METER	NORTH EAST TECHNICAL SALES, INC.	5,137.30

\$ 8,648.50
1,441.70
(EGT)

Total Allocated 286,482.53



1020 Andrew Drive
West Chester PA 19380
610-436-9922

Service Invoice

Invoice#: 230545

Date: 05/31/2023

Billed To: East Goshen Township
1580 Paoli Pike
West Chester PA 19380

Project: 32353
RIDLEY CREEK STATION
1751 TOWN DR.
WEST CHESTER PA 19380

Scheduled: 05/04/2023
Time:

Employee:

Order#:

Description	UM	Quantity	Price	Ext Price
RIDLEY CREEK STATION SULFATE TANK PIT 5-4-23 AND 5-5-23 RAN CONDUIT FOR RECEPTACLE FOR SULFATE PIT PULLED WIRE INSTALLED DEVICE AND POWERED UP.				
ELECTRICIAN	HR	8.00	92.00	736.00
LABORER	HR	8.00	72.00	576.00
SERVICE TRUCK	LS	1.00	40.00	40.00

PAID

Notes:

PROVED BY: WMA
DATE PAID: 6/5/23
CHECK #: 07429-1520
CHARGED TO: 07429-1520

Terms are Net 30 days.

Balances over 30 days are subject to a finance charge of 2% per month.

Thank you for your prompt payment!

Non-Taxable Amount:	1,352.00
Taxable Amount:	0.00
Sales Tax:	0.00
Amount Due	1,352.00



1020 Andrew Drive
West Chester PA 19380
610-436-9922

Service Invoice

Invoice#: 230546

Date: 05/31/2023

Billed To: East Goshen Township
1580 Paoli Pike
West Chester PA 19380

Project: 32353
RIDLEY CREEK STATION
1751 TOWN DR.
WEST CHESTER PA 19380

Scheduled: 05/05/2023
Time:


Employee:

Order#:

Description	UM	Quantity	Price	Ext Price
RIDLEY CREEK STATION 5-5-23 AND 5-8-23 RAN CONDUIT FOR CONVENIENCE RECEPTACLE PULLED WIRE INSTALLED DEVICE AND POWERED UP.				
ELECTRICIAN	HR	12.00	92.00	1,104.00
LABORER	HR	12.00	72.00	864.00
SERVICE TRUCK	LS	1.00	40.00	40.00

PAID

Notes:

PROVED BY: MM 
DATE PAID: 6/8/23
CHECK #:
CHARGED TO: 07429-1520

Terms are Net 30 days.
Balances over 30 days are subject to a finance charge of 2% per month.
Thank you for your prompt payment!

Non-Taxable Amount:	2,008.00
Taxable Amount:	0.00
Sales Tax:	0.00
Amount Due	2,008.00



A U.S. Electrical Services Inc. Company
200 GARFIELD AVENUE
WEST CHESTER PA 19380-4512
610-719-9253 Fax

INVOICE

CUSTOMER NUMBER	SUB ACCOUNT #
117491	117491
INVOICE NUMBER	INVOICE DATE
S123058116.001	05/08/23
REMIT TO:	
US ELECTRICAL SERVICES, INC. PO BOX 412485 BOSTON MA 02241-2485	

BILL TO:

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER PA 19380-6107

SHIP TO:

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER PA 19380-6107

CUSTOMER PO #	JOB NAME / RELEASE #	ORDERED BY	SALESPERSON	
THE PLANT			HOUSE ACCOUNT	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
DAVID A SMITH	NO PRINT PICK UP	NET 15TH	05/08/23	05/08/23
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	1ea	ORDER PICKED UP IN WEST CHESTER, PA - 19380-4512 TAYMAC MX3200 GRY METAL VERT IN USE COVER	1734.520 c	17.35

PAID

APPROVED BY: WJL

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07929-1520

C Austic Soda Project

**SAVE TIME AND MONEY WITH OUR FREE E-BILLING SERVICE**

Choose from three easy ways to receive your invoices: email, fax or Invoice Gateway, our secure online site. With Invoice Gateway, you are notified by email when new invoices are posted. You can search, sort, view, print, download and pay your bills on this site. With email and fax delivery, your invoices are sent once per day and you get an exact replica of your paper bill. Contact the Credit Department at 717-606-1317 and get set up today!

Invoice is due by 06/15/23.

For complete Terms & Conditions go to:
<https://tinyurl.com/Yale-Customer-TC>

A **US** Electrical Company
Services Inc.

Visit us at www.usesi.com

TO VIEW ONLINE GO TO: [HTTP://USESI.BILLTRUST.COM](http://usesi.billtrust.com)



Subtotal	17.35
Shipping Chgs	0.00
Tax	0.00
Payments	0.00
Amount Due	17.35

USE THIS ENROLLMENT TOKEN: VHD QLP SLM



Gawthrop Greenwood, PC
Attorneys at Law

gglaw@gawthrop.com | (p) 610-696-8225
www.gawthrop.com | (f) 610-344-0922

PAID

Please Note:
Please Mail checks to:
P.O. Box 562
West Chester, PA 19381-0562

To Make a Payment with a Credit Card, please visit:
<https://secure.lawpay.com/pages/gawthrop/operating>

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
05/09/2023
6604-001M
272291

APPROVED BY: [Signature] 5/10/23
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-424-3140

General Authority Services

Fees

Hours

04/06/2023	PMM	Email from L. Werkheiser regarding meeting agenda.	0.20	41.00
04/10/2023	EBK	Review and analyze meeting materials		
		Travel to/from and attend meeting		
		Review and analyze notes to identify action items	2.80	546.00
		For Current Services Rendered	3.00	587.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna	0.20	\$205.00	\$41.00
Ellen Koopman	2.80	195.00	546.00

Previous Balance \$723.50

Total Current Charges 587.00

04/19/2023	Payment	-292.50
04/19/2023	Payment	-431.00
	Total Payments	-723.50

East Goshen Municipal Authority

General Authority Services

Balance Due

Page: 2

05/09/2023

Client No:

6604-001M

Invoice No:

272291

\$587.00

To ensure proper credit, please write your client number on
your check when returning payment.
A finance charge of 1.25% per month (15% annually) may be
charged on balances not paid 60 days after the invoice date.



INVOICE

E & W Equipment Co., LLC

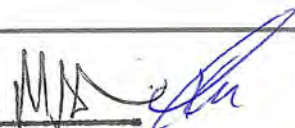
INVOICE #704
DATE: MAY 31, 2023

TO Mr. Mark Miller
East Goshen Township Municipal Authority

PAYABLE TO E&W Equipment Company, LLC
901 School Street
Moosic, PA 18507
570-677-1919

SALESPERSON	JOB	PURCHASE ORDER	PAYMENT TERMS
n/a	Ridley Creek WWTP UV System	Signed proposal 4/8/2022	Upon receipt

ITEM #	DESCRIPTION	UNIT PRICE	QUANTITY	LINE TOTAL
1	UV Disinfection system (30% upon approved drawings)	\$134,985.00	0.3	\$40,495.80
SUBTOTAL				\$40,495.80
TAX				\$0.00
TOTAL				\$40,495.80

APPROVED BY:  6/8/23

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07-429-1505

Capital



Kappe Associates, Inc.
100 Wormans Mill Court
Frederick, Md. 21701
Tele# 301-846-0200
Fax# 301-846-0808
www.kappe-inc.com

Invoice

Date	Invoice #
6/5/23	23-276-M

Bill To
East Goshen Township 1580 Paoli Pike West Chester, PA. 19380

PROVED BY: [Signature] 6/5/23
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07429-1520
caustic soda

P.O. No.	Project
Verbal	23-276-M

Description	Quantity	Rate	Amount
Ridley Creek WWTP Customer request for service			
Chemical Storage Tank: -Setup chemical feed pump system - Meet with Lennie Electric. Determine conduit needs for installation Influent flow meter Inspection: Meter reading higher than expected - verify meter operation Service date: 04/20/23 Labor / Hourly	4	150.00	600.00
Chemical Storage Tank: -Setup chemical feed system -Build and install distribution header for 5 chemical feed pumps Service Date: 05/10/23 Labor / Hourly	5	150.00	750.00
Lot - Pipe, fittings and flanges	1	1,082.00	1,082.00
Follow-up from 05/10/23 service call Chemical storage Tank: Continue setup of chemical feed pump system Mount Tank Level sensor Finish distribution header piping Setup chemical feed pumps Install discharge tubing Service Date: 05/11/23 Labor / Day	1	1,200.00	1,200.00
Tank Level Sensor	1	2,307.00	2,307.00
Lot Fittings	1	202.00	202.00
300' Tubing	1	274.00	274.00
PAID Terms: Net 30 Days - 1.5% per month interest on unpaid balance over 30 days.			Total \$6,415.00

Memo

To: Municipal Authority
From: Dave Ware
Re: MA May 2023 YTD Financial Report
Date: June 8, 2023

YTD May 2023, the Municipal Authority recorded \$403,110 in revenues (primarily from Sewer Operating transfers, Sewer Capital Reserve transfers, and tapping fees) and \$303,361 in expenses (Engineering Services, Audit Fees, Administrative Wages, Hershey's Mill Estates Sewer costs, Caustic Soda project costs, capital costs at the Ridley Creek Sanitary Treatment Plant, capital improvements to the Westtown Way Pump station, and legal fees). The net result of operations of (\$251). As of May 31, 2023, the fund balance was \$4,921.

Attached is a complete list of 2023 full year MA revenues and expenses.

EAST GOSHEN TOWNSHIP
Municipal Authority Fund
May 2023

Account Id	Account Description	Annual Budget	Current YTD	Prior YTD
REVENUE				
07-341-1000	INTEREST EARNINGS	0.00	77.64	0.78
07-354-0400	DCED GRANT	152,980.00	0	0
07-364-1100	C.C. TAPPING FEES	2,300.00	0.00	0.00
07-364-1110	R.C.TAPPING FEES	2,000.00	1,489.20	300.00
07-364-1130	CONNECTION FEES - SEWER	1,000.00	563.76	281.88
07-380-1000	MISCELLANEOUS REVENUE	282.24	282.24	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	100,000.00	47,230.34	44,001.05
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	1,471,553.00	353,466.37	57,937.25
	Total Revenue	1,730,115.24	403,109.55	102,662.08
EXPENSES				
07-424-1400	ADMINISTRATIVE WAGES	32,055.45	8,944.84	8,372.05
07-424-3000	MISCELLANEOUS EXPENSE	1,748.79	1,595.25	1,540.25
07-424-3110	MUNIC.AUTH.-AUDITING	10,815.00	10,500.00	10,250.00
07-424-3130	ENGINEERING SERVICES	47,250.00	20,717.25	25,857.75
07-424-3140	LEGAL SERVICES	8,400.00	2,903.00	2,000.00
07-424-7440	R.C. CAPITAL-STP	355,793.00	0	0
07-424-7490	CAP.REPLACEMENT R.C.	488,847.00	0	0.00
07-426-3001	RELINING	260,000.00	0	0
07-429-1501	BARKWAY PUMP STATION CAPITAL	0.00	0.00	2,215.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	0.00	0.00	8,632.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	78,000.00	10,240.62	29,268.57
07-429-1504	HUNT CO PUMP STATION CAPITAL	0.00	0.00	1,870.00
07-429-1505	RCSTP CAPITAL	260,000.00	62,692.11	14,848.25
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	90,113.64	0.00
07-429-1520	RCSTP - CAUSTIC SODA	0.00	13,391.57	0.00
07-429-6100	WEST GOSHEN CAPITAL	187,206.00	182,262	0
	Total Expenses	1,730,115.24	403,360.52	104,853.87
	Net Result From Operations	0.00	-250.97	-2,191.79

Municipal Authority
YTD Revenues and Expenses thru 5/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/23	Revenue Journal	INTEREST EARNED JAN 2023	2.65
07-341-1000	INTEREST EARNINGS	02/28/23	Revenue Journal	INTEREST EARNED FEBRUARY 2023	6.32
07-341-1000	INTEREST EARNINGS	03/31/23	Revenue Journal	INTEREST EARNED MARCH 2023	23.37
07-341-1000	INTEREST EARNINGS	04/30/23	Revenue Journal	INTEREST EARNED APRIL 2023	12.47
07-341-1000	INTEREST EARNINGS	05/31/23	Revenue Journal	INTEREST EARNED MAY 2023	32.83
07-364-1110	R.C.TAPPING FEES	01/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	02/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	03/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	04/03/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	05/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	01/27/23	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 12838	281.88
07-364-1130	CONNECTION FEES - SEWER	03/23/23	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 12839	281.88
07-380-1000	MISCELLANEOUS REVENUE	01/27/23	Revenue Journal	PINE ROCK INTEREST PORTION - STOFFLET	141.12
07-380-1000	MISCELLANEOUS REVENUE	03/23/23	Revenue Journal	PINE ROCK INTEREST PORTION - PAPPANO	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/20/23	Revenue Journal	XFER TO 07 FROM 05 RE: MA EXPENSES	3,384.75
07-392-0500	TRANSFER FROM SEWER OPERATING	01/30/23	Revenue Journal	XFER \$ TO MA07 FROM 05-SEWER	14,572.43
07-392-0500	TRANSFER FROM SEWER OPERATING	01/31/23	Revenue Journal	XFER \$ FROM 05 TO 07 RE: MA EXPENSES	3,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/17/23	Revenue Journal	XFER TO 07 FROM 05 RE: EXPENSES	36,455.37
07-392-0500	TRANSFER FROM SEWER OPERATING	02/23/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	2,877.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/22/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	715.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/23/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	880.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/24/23	Revenue Journal	XFER TO 07 FROM 05 RE: EXPENSES	6,738.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/29/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/31/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,944.84
07-392-0500	TRANSFER FROM SEWER OPERATING	04/17/23	Revenue Journal	FROM 05 SEWER OP TO 07 MA	4,992.75
07-392-0500	TRANSFER FROM SEWER OPERATING	05/10/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	707.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/10/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,627.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/12/23	Revenue Journal	XFER \$ FROM 09 TO 07 TO COVER CAP.EXP.	41,381.95
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/20/23	Revenue Journal	XFER TO 07 FROM 09 RE: MA EXPENSES	11,730.76
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/30/23	Revenue Journal	XFER \$ TO MA07 FROM 09- SEWER CAP	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/10/23	Revenue Journal	FROM 09 SEWER CAP RESERVE TO 07 MA	115,362.26
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/23/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	8,690.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/01/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	20,201.84
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/09/23	Revenue Journal	XFER \$ TO 07 FROM 09	1,264.96
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/22/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,961.86
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/24/23	Revenue Journal	XFER TO 07 FROM 09 RE: EXPENSES	11,080.96
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/29/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/05/23	Revenue Journal	XFER FROM 09 SEWER OP TO 07 MA	1,041.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/21/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	977.06
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/25/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,801.50

Municipal Authority
YTD Revenues and Expenses thru 5/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/26/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	252.28
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/28/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	688.81
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/04/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,069.52
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/10/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,953.58
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/19/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	66,899.98
Total Revenue					403,109.55
07-424-1400	ADMINISTRATIVE WAGES	03/31/23	Pay Check: 3402	23-00878 QTR 1 2023 MA CHARGE BACK	8,944.84
07-424-3000	MISCELLANEOUS EXPENSE	03/22/23	Pay Check: 3395	23-00707 2023 ANNUAL DAILY DISCHARGE CA	715.00
07-424-3000	MISCELLANEOUS EXPENSE	03/23/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	880.25
07-424-3110	MUNIC.AUTH.-AUDITING	02/15/23	Pay Check: 3389	23-00406 PROGRESS BILLING EGT MUA123122	1,793.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/29/23	Pay Check: 3401	23-00870 PROGRESS BILLING AUD EGT MUA	8,000.00
07-424-3110	MUNIC.AUTH.-AUDITING	05/10/23	Pay Check: 3417	23-01270 PROGRESS BILLING AUDIT EGT MUA	707.00
07-424-3130	ENGINEERING SERVICES	01/20/23	Pay Check: 3379	23-00111 SERV.THRU 12/18/22 GEN.SERV.22	3,384.75
07-424-3130	ENGINEERING SERVICES	02/23/23	Pay Check: 3392	23-00443 SERV THRU 011523 GEN SERVICES	2,294.00
07-424-3130	ENGINEERING SERVICES	03/24/23	Pay Check: 3399	23-00816 SERV THRU 021223 CHAPTER 94 RE	2,246.00
07-424-3130	ENGINEERING SERVICES	03/24/23	Pay Check: 3399	23-00815 SERV THRU 021223 GENERAL SERVI	3,482.75
07-424-3130	ENGINEERING SERVICES	04/17/23	Pay Check: 3406	23-01018 SERV THRU 031923 GENERAL SERVI	2,614.75
07-424-3130	ENGINEERING SERVICES	04/17/23	Pay Check: 3406	23-01019 SERV THRU 031923 CHAPTER 94 RE	1,654.50
07-424-3130	ENGINEERING SERVICES	05/10/23	Pay Check: 3420	23-01302 SERV THRU 041623 2023 GEN SERV	3,663.25
07-424-3130	ENGINEERING SERVICES	05/10/23	Pay Check: 3420	23-01303 SERV THRU 041623 2022 CHAPT 94	1,377.25
07-424-3140	LEGAL SERVICES	02/23/23	Pay Check: 3391	23-00442 LEGAL SERV. JAN 2023 GEN AUTH	583.00
07-424-3140	LEGAL SERVICES	03/24/23	Pay Check: 3398	23-00812 LEGAL SERV FEB 2023 GEN AUTHOR	389.50
07-424-3140	LEGAL SERVICES	03/24/23	Pay Check: 3398	23-00813 LEGAL SERV DEC 2022 GEN AUTHOR	620.00
07-424-3140	LEGAL SERVICES	04/17/23	Pay Check: 3405	23-01020 LEGAL SERV MARCH 2023 GEN AUTH	431.00
07-424-3140	LEGAL SERVICES	04/17/23	Pay Check: 3405	23-01017 LEGAL SERV FEB 2023 GEN AUTH	292.50
07-424-3140	LEGAL SERVICES	05/10/23	Pay Check: 3419	23-01304 LEGAL SERV APRIL 2023 GEN AUTH	587.00
07-424-7490	CAP.REPLACEMENT R.C.	01/27/23	Pay Check: 3381	23-00148 WATER TIGHT CASTINGS & LIDS	6,904.64
07-424-7490	CAP.REPLACEMENT R.C.	02/06/23	Pay Check: 3386	23-00364 PALLET 200' 8" FILTER SOXX	430.00
07-424-7490	CAP.REPLACEMENT R.C.	02/15/23	Pay Check: 3387	23-00429 PVC PIPE, ADPTR, 2WAY CLEANOUT	1,708.22
07-424-7490	CAP.REPLACEMENT R.C.	02/15/23	Pay Check: 3387	23-00412 PVC FITTINGS,ADPTR,BEND, REDCR	17,817.91
07-424-7490	CAP.REPLACEMENT R.C.	02/15/23	Pay Check: 3387	23-00411 24" N12 HDPE PIPE	3,771.00
07-424-7490	CAP.REPLACEMENT R.C.	02/15/23	Pay Check: 3388	23-00381 1 % DISCOUNT	(65.65)
07-424-7490	CAP.REPLACEMENT R.C.	02/15/23	Pay Check: 3388	23-00381 DIAMOND PLATE BLACK MATS	6,564.64
07-424-7490	CAP.REPLACEMENT R.C.	02/15/23	Pay Check: 3390	23-00415 AASHTO#1 48.32TON #57 146.33TN	4,866.25
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/20/23	Pay Check: 3379	23-00110 SERV.THRU 12/18/22 HM EST SEWR	9,690.50
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/31/23	Expd	RECLASS EXETER INV.S 371365 & 371359	7,667.79
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	02/06/23	Pay Check: 3385	23-00331 STONE, AASHTO #57	550.12
07-429-1505	RCSTP CAPITAL	01/10/23	Pay Check: 3377	23-00030 CONDUITS, STRAPS, LOCKNUTS +	1,161.95
07-429-1505	RCSTP CAPITAL	01/10/23	Pay Check: 3378	23-00075 PULSAFEEDER - RCSPT CAUSTIC SO	40,220.00

Municipal Authority
YTD Revenues and Expenses thru 5/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	01/20/23	Pay Check: 3379	23-00109 SERV.THRU 12/18/22 RCSTP SODA	861.51
07-429-1505	RCSTP CAPITAL	01/20/23	Pay Check: 3379	23-00112 SERV.THRU 12/18/22 RCSTP UV	1,178.75
07-429-1505	RCSTP CAPITAL	01/27/23	Pay Check: 3380	23-00151 HELIFLOW 408 PD BLOWER	5,221.00
07-429-1505	RCSTP CAPITAL	02/06/23	Pay Check: 3384	23-00305 50HP 3540RPM BALDOR MOTOR	4,683.69
07-429-1505	RCSTP CAPITAL	03/24/23	Pay Check: 3399	23-00817 SERV THRU 021223 RCSTP CAU SOD	4,144.21
07-429-1505	RCSTP CAPITAL	03/29/23	Pay Check: 3400	23-00827 HELIFLOW 408 LHBD BLOWER	5,221.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/23/23	Pay Check: 3392	23-00444 SERV THRU 011523 HM ESTATES SW	8,690.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check: 3393	23-00536 STONE, AASHTO #57 329.79 TON	8,244.78
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check: 3393	23-00534 STONE, AASHTO #57 251.05 TON	6,276.27
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check: 3393	23-00535 STONE, AASHTO #57 227.23 TON	5,680.79
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/09/23	Pay Check: 3394	23-00582 SPLIT COUPLERS	305.40
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/09/23	Pay Check: 3394	23-00581 SEWER HUB ADAPTERS,COUPLERS +	959.56
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check: 3396	23-00723 36" MARMAC POLYSEAL COUPLER	803.20
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check: 3397	23-00731 JOHN DEERE 550K RENTL 2/28-3/1	434.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check: 3397	23-00730 JOHNDEERE 550K RENTL 2/23-2/24	724.16
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/24/23	Pay Check: 3399	23-00814 SERV THRU 021223 HM ESTATES SE	6,936.75
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	04/25/23	Pay Check: 3410	23-01141 SINGLE SIDED STRAW MAT,PINS	1,407.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	04/25/23	Pay Check: 3410	23-01141 SINGLE SIDED STRAW MAT,PINS	(14.07)
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check: 3403	23-00889 VARIOUS PURCHASES- SEE NOTES	215.75
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check: 3404	23-00906 ROD 5/8 X 20 FT-CAUSTIC SODA	826.00
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3407	23-01081 3" TWISTER CORE BITS	441.00
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3407	23-01081 3" TWISTER CORE BITS	(4.41)
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3408	23-01056 GALV CAP, GFCI RCPT, GREY COVR	168.21
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3408	23-01057 GALV CAP, STEEL CLAMPBACK	372.26
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3409	23-01131 PVC CONDBY, DEV BOX, CTD CPLG	890.32
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3411	23-01112 (30) BUSS FUSES	2,160.00
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3411	23-01144 GALV BLCK CAP,COMPRESSION CPLG	286.08
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3411	23-01128 IRON THRDED T BODY, SHEET STEE	72.17
07-429-1520	RCSTP - CAUSTIC SODA	04/26/23	Pay Check: 700	23-01151 CAUSTIC SODA-(2) HVY DUTY TARP	252.28
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check: 3412	23-01177 BLINE SS CHANNEL SLOTTED HOLES	374.17
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check: 3412	23-01176 EMT HW STRAP,MACH SCREW ANCHOR	233.47
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check: 3412	23-01175 GALV RED CAP, COMM SWITCH,	81.17
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3413	23-01225 PVC BELL END PIPE, PVC COUPLNG	2,574.00
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3414	23-01227 10 YD CONCRETE 4500 PSI	1,930.00
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3415	23-01219 (30) BLINE EMT-HW STRAP	83.82
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3415	23-01212 OUTLET BOX, SS SWITCH,HW STRAP	481.70
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check: 3416	23-01276 SCH 40 2" PIPE, 2" COUPLING	1,030.64
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check: 3416	23-01275 CORP BALL STOP, SERVICE SADDLE	905.59
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check: 3418	23-01295 TAYMAC GRY METAL INUSE COVER	17.35
07-429-6100	WEST GOSHEN CAPITAL	02/06/23	Pay Check: 3383	23-00366 WWPS PYMT LAST INSTALLMENT	115,362.26

Municipal Authority
YTD Revenues and Expenses thru 5/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-6100	WEST GOSHEN CAPITAL	05/19/23	Pay Check: 3421	23-01363 2022 WG SEWER AUTH BOND FUND E	19,143.34
07-429-6100	WEST GOSHEN CAPITAL	05/19/23	Pay Check: 3421	23-01364 2022 WG SEWER AUTH TAPPING FEE	47,756.64
Total Expense					403,360.52

Memorandum

East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

Voice: 610-692-7171

Fax: 610-692-8950

E-mail: dbrady@eastgoshen.org

Planning Commission Plan Review Request

Date: May 19, 2023
To: Mark Miller
From: Duane J. Brady Sr., Township Zoning Officer
Re: 1010 Hershey Mill Road/Millstone Meadows SD
Preliminary/Final SD Plan.

Dear Municipal Authority,

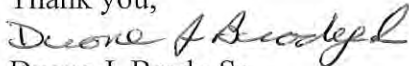
The Township staff has received an SD application for 1010 Hershey Mill Road, Millstone Meadows (Miller Property). The proposal is to create a subdivision tract for 14 single-family homes using the Open Space Development Option (Zoning Ordinance section 240-36). A Conditional Use was granted by the Board of Supervisors on March 8, 2023, for a 15 Lot subdivision under the single-family open space development option with 19 conditions. The application has been reviewed for completeness and was accepted by Township Staff on May 16, 2023.

Things to note:

- The property is approximately 16 acres.
- The property is in the R-2 Low Density Residential District.
- The property contains two (2) Class II historic resources that are currently detailed in the East Goshen Township Historic Resource Inventory (Existing house and barn).
- The property has a stream which is a tributary of Ridley Creek and is classified as a High-Quality Stream and has wetlands.

Please complete your review and provide comments by July 25, 2023.

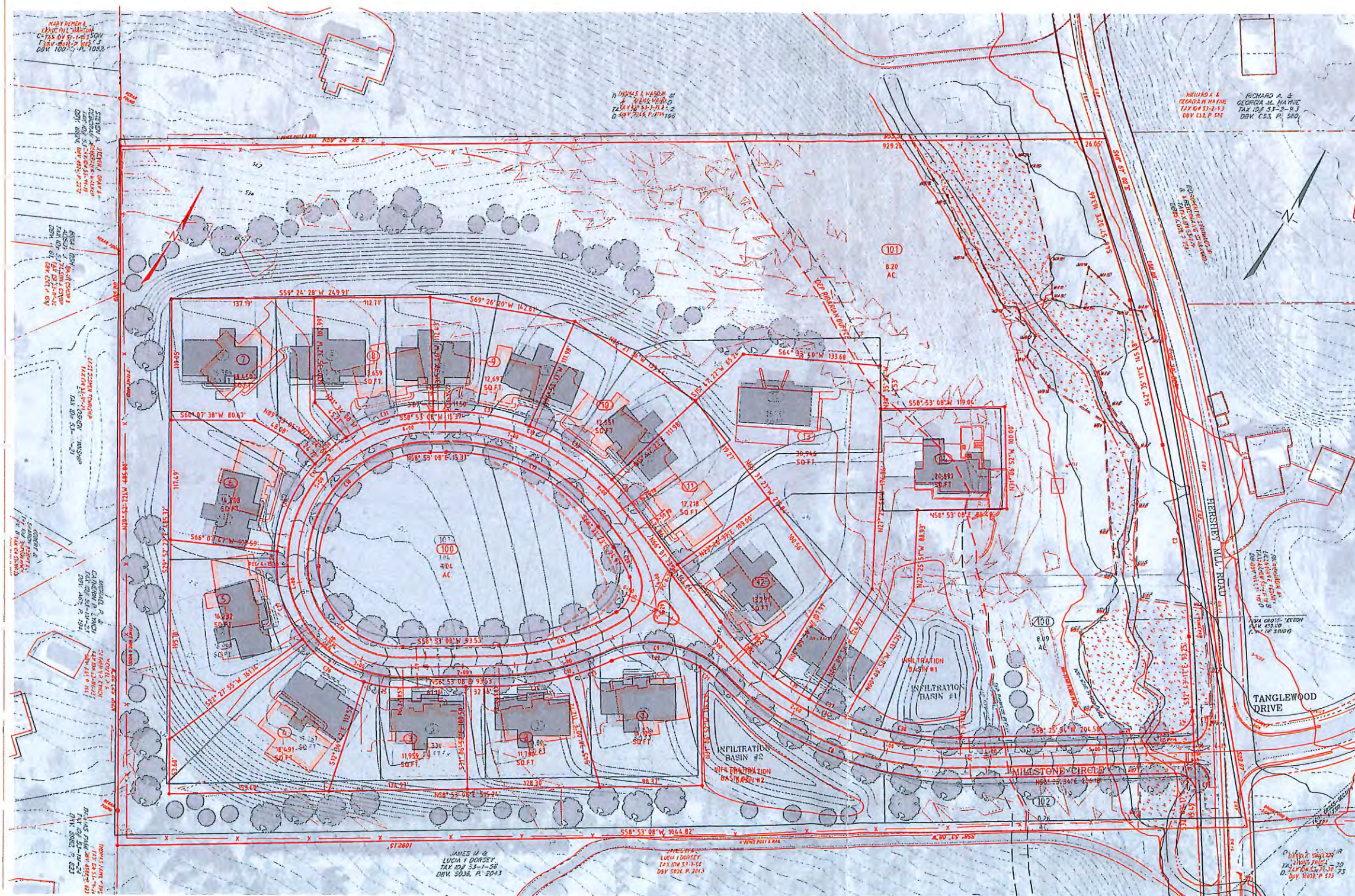
Thank you,



Duane J. Brady Sr.

East Goshen Township
Zoning Officer





PROPERTY LINE CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CH	BEARING & DIST
C1	100.00	715.00	00°05'08"	56.15	S56°15'08"E 100.00
C2	100.00	1000.00	00°52'01"	53.73	E 53°39'17"N 100.00
C3	91.82	115.82	00°00'00"	50.51	S10°51'00"W 91.82
C4	39.81	20.00	08°17'46"	51.02	N 81°02'14"E 39.81
C5	1263.44	320.00	04°17'05"	477.09	E 17°09'32"E 1263.44
C6	109.12	80.00	01°02'40"	57.10	E 91°10'20"E 109.12
C7	103.55	80.00	07°57'55"	60.57	E 82°02'05"E 103.55
C8	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C9	100.00	100.00	00°00'00"	57.03	S 57°03"E 100.00
C10	200.67	120.00	05°01'23"	58.10	S 58°10'51"E 200.67
C11	200.67	120.00	05°01'23"	58.10	S 58°10'51"E 200.67
C12	35.31	29.00	01°02'40"	57.10	E 91°10'20"E 35.31
C13	100.00	230.00	02°55'11"	53.66	E 92°04'49"E 100.00
C14	125.66	80.00	01°02'40"	57.10	E 91°10'20"E 125.66
C15	102.19	10.00	00°00'00"	50.51	S10°51'00"W 102.19
C16	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C17	28.86	89.00	01°07'15"	55.19	E 88°52'45"E 28.86
C18	28.86	89.00	01°07'15"	55.19	E 88°52'45"E 28.86
C19	86.66	89.00	05°17'20"	60.57	S 60°57'10"E 86.66
C20	64.63	270.00	00°17'30"	53.91	E 17°30'00"E 64.63
C21	184.27	210.00	01°31'08"	55.17	S 55°17'08"E 184.27
C22	38.35	120.00	01°36'30"	60.08	E 88°23'30"E 38.35
C23	73.47	120.00	03°56'43"	58.04	E 86°03'17"E 73.47
C24	76.28	100.00	03:18:15"	55.00	E 86°18'15"E 76.28
C25	125.33	100.00	00°04'57"	52.04	S 52°04'57"E 125.33
C26	94.53	150.00	01:06:25"	50.75	S 50°75'12"E 94.53
C27	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C28	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C29	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C30	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C31	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C32	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C33	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C34	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C35	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C36	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C37	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C38	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C39	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C40	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C41	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C42	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C43	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C44	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C45	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C46	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C47	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C48	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C49	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C50	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C51	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C52	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C53	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C54	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C55	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C56	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C57	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C58	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C59	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C60	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C61	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C62	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C63	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C64	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C65	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C66	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C67	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C68	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C69	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C70	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C71	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C72	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C73	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C74	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C75	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C76	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C77	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C78	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C79	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C80	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C81	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C82	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C83	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C84	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C85	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C86	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C87	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C88	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C89	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C90	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C91	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C92	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C93	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C94	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C95	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C96	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C97	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C98	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C99	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00
C100	100.00	100.00	00°00'00"	57.01	S 57°01"E 100.00

APPLICANT'S EQUITABLE RECORD ON OTHER PROPERTIES:
GRACE MEADOW DEVELOPERS LLC
1171 LANCASTER AVE. SUITE 201
BENTON PA 17310

RECORD OWNER:
HUNTER, S. & CHRISTINE S. HILPEP
219 N. ABERDEEN AVENUE
WAYNE, PA 19087

SOURCE OF TITLE:
PIN# 53-1-19

SCOPE:
SINGLE FAMILY OPEN SPACE DEVELOPMENT

TOTAL UNITS:
TOTAL AREA:
PROPOSED DENSITY:
WATER SERVICE:
SEWER SERVICE:

ZONING DATA TABULATION
LOW DENSITY RESIDENTIAL DISTRICT
LOA AREA
LOT WIDTH
FRONT YARD
SIDE YARD
REAR YARD
BUILDING HEIGHT
MAX. BLDG. COVERAGE
MAX. IMP. COVERAGE

a civil engineering design & management
2815 PENN AVENUE
WEST LAWN, PA
610-927-4242

Enterprises

OPEN SPACE DEVELOPMENT LAYOUT PLAN

"MUST BE NOTED AND READ" **WEDGEMOUNTAIN MEADOWS**

POW. EAST GUSNET TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA

PRELIMINARY/FINAL PLAN

SUBDIVISION PLAN

M.D.HARTMAN	
M.D.HARTMAN	M.D.HARTMAN
1" = 50'	M.D.HARTMAN
1 of 2	1" = 50'
1" = 50'	2 OF 1

22-001-F-1