

EAST GOSHEN MUNICIPAL AUTHORITY

April 8, 2024

7:00

- **CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE**
 - Ask if anyone will be taping the meeting

- **CHAIRMAN’S REPORT/OTHER MEMBERS’ REPORTS**

- **SEWER REPORTS**
 - Director of Public Work’s Report
 - Pennoni Engineer’s Report
 - Big Fish Environmental Report

- **APPROVAL OF MINUTES**
 - March 11, 2024

- **APPROVAL OF INVOICES**

<u>Company</u>	<u>Invoice #</u>	<u>Amount</u>	<u>Paid?</u>
Pennoni	1216255	\$661.50	paid
Pennoni	1216256	\$3,163.50	paid
Pennoni	1216257	\$1,028.50	paid
Pennoni	1216258	\$1,609.50	paid
Pennoni	1216259	\$1,101.75	paid
Maillie	104543	\$7,000.00	pad
Delaware River Basin Commission (DCRC)	242175	\$749.00	paid
Gawthrop Greenwood	286743	\$430.50	paid
Heilmann Landscaping - Dumpster Rental	dated 3/8/24	\$450.00	paid
Sherwin Williams	2485-3	\$118.95	paid
Horn Plumbing & Heating	1456133	\$3,101.53	paid
Juan Martinez -prep seal & paint block chamber at RCSTP	dated 3/22/24	\$245.00	paid

- **LIAISON REPORTS**

- **FINANCIAL REPORTS**
 - March 2024

- **OLD BUSINESS**

- **2024 Goals:**

Goal	Status
Ridley Creek plant compliance	January, February, & March were in compliance with PADEP permit requirements.
Continue to implement infiltration and inflow for the sewer system	Supplee Valley sewers investigations underway by Public Works with lining and repairs planned in late 2024. Chester Creek Interceptor pipe grouting and cured-in-place pipe lining is scheduled to start in late February and be completed in March.
RCSTP UV Disinfection System Construction Completion	The UV replacement is projected to be completed and operational in May.
Municipal Authority representative to attend West Goshen MA meetings. West Goshen MA meets 1 st Wed of each month at 6pm at the West Goshen Township Building.	Attend meetings on quarterly basis.
Long-term sustainability	Continue development of 10-year sustainability plan and study sewer rates annually. Currently under development with completion by May.
Caustic soda functionality	Expected completion in March.
Study sewer line expansion	

- **NEW BUSINESS**
 - Lateral repair policy & procedure (Mark Miller)
- **CAPACITY REQUESTS**
 - Three new lots at 1338 Morstein Rd: See Mark for plans & provide any comments to Duane Brady
- **ANY OTHER MATTER**
- **CORRESPONDENCE AND REPORTS OF INTEREST**
- **PUBLIC COMMENT**
- **ADJOURNMENT**

East Goshen Municipal Authority – Chairman’s Report on 2023 Goals

2023 Goals

- 1. Continue to Operate The Ridley Creek Sewer Treatment Plant (RCSTP) in compliance with PADEP permit requirements.** Met the permit and all requirements each month in 2023.

- 2. Continue to monitor the Westtown Way Pumping Station Improvements Project – Members will attend WGSA meetings as necessary.** Limited attendance at WGSA meetings by members. Project had equipment delivery delays. Dave Ware and Mark Miller monitored for MA.

- 3. Hershey Mill Estates Trunk Sewer Replacement – Award contract to low bidder. Complete construction of Hershey Mill Estates sewer replacement (sewer pipe and manholes).**
Awarded and completed. Final construction cost came in at \$1,127,000 vs. cost estimate of \$1,542,000. American Rescue Plan Act (ARPA) funds of \$824,000 applied to construction cost by Township Supervisors. Local Share Account (LSA) Grant from The Department of Community and Economic Development (DCED) not available in time for critical infrastructure project. Significant support from Public Works.

- 4. UV (ultraviolet) Disinfection System Replacement – Complete the installation of the replacement UV disinfection system at the RCSTP after the current round of LSA Grants have been announced.**
Project not completed in 2023 due to manufacturing schedule and several significant wet weather events that precluded startup of the temporary bypass system. All temporary and permanent equipment received. Set-up of temporary bypass electrical, mechanical and controls work installation initiated in December. LSA Grant from DCED not available in time for critical infrastructure project. Significant support from Public Works.

- 5. Supplee Valley Sewer Pipe Lining – Complete the lining of the sewer system pipes in the Supplee Valley service area.** Originally intended to bid the project in 2023; the project approach was modified because severe leaks were identified during the Chester Creek interceptor investigation and the budget was reallocated to further investigation and repairs of the interceptor. Applied for \$350,000 LSA Grant in 2023 for remainder of Supplee Valley pipe lining and Chester Creek Interceptor Phase 1 and 2 repairs. Significant support from Public Works.

- 6. Caustic Soda Project – Complete the installation of the new caustic soda feed system.**
Completed the installation of the new caustic soda feed system. Startup was delayed due to tank insulation repairs and construction of an outdoor emergency shower (safety). LSA Grant of \$152,890 obtained in 2020.

- 7. Install new flow meters for the Ridley Creek Collection system – Install new flow meter near the Blacksmith Shop.** Installation postponed until 2024.

- 8. Continue to implement the I&I (Inflow/ Infiltration) Plan for the Sewer System –** Ongoing program by Public Works for cleaning and televising sewers looking for I&I and structural deficiencies. The focus was on the Chester Creek Interceptor in 2023. The Chester Creek Interceptor was fully TV inspected from East Strasburg Road to the Westtown Way Meter Pit. Only limited deficiencies and infiltration were identified in that portion of the interceptor. Manhole and lateral repairs by Public Works to address the deficiencies are approximately 90% complete. The contractor, Insituform, performed cleaning and televising of approximately 75% of the contracted sewers. LSA Grant Application submitted in November for Phases 1 and 2 (see above).

- 9. Continue to explore areas for potential extension of the Sewer System.** The goal was tabled in 2023.

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199
610-692-7171

Date: April 8, 2024
To: Municipal Authority
From: Mark Miller
Re: Monthly Report

Monthly Flows: The average daily flow to West Goshen was 878,047 per day.

Meters:

- Were read on a daily basis
- Weather stations reported the wettest month ever.

C.C. Collection:

- All pump stations were visited on a daily basis with no problems to report.
- We were very busy doing lateral repairs.
- Pipe Data was utilized to clean and televise 20,000Lf of some of our low areas
- We located some holes and half a dozen laterals that we have to go back to look at.

C.C. Interceptor:

- Nothing to report at time of agenda printing

R.C. Collection:

- The two pump stations were visited on a daily basis with no problems to report.

I & I Work:

- The PWD worked for over a week plugging lines and checking for inflow. Several manholes were found to be leaking.

Ridley Creek Plant:

- Minor repair work done on as-needed basis
- The guys did a good job on the UV system channel.
- The outside shower is in service.
- The spare lift station pump that we ordered arrived last week.

Alarms: 14, all caused by power outages

PA One Calls: Mark responded to an average of 15 calls per day.

Monthly Rainfall: 6.80"

Lateral Repairs or Caps:

- We currently get notified by residents if they have a sewer problem. The theory was that if we could, we would go out to plunge the line and clear the blockage. I would like to explain some recent issues that have happened over the last month and would really like to get your input going forward.



EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

April 4, 2024

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – No activity by Pennoni since our last report. Once the outdoor emergency shower is installed, the tank can be put into operation.

We previously prepared a draft O&M Manual for the system that was submitted to the Township and operator for review. We will set up a meeting to review once the system is ready for operation so that the Manual can be finalized.

- **UV Disinfection System** – The temporary bypass system remains active.

Public Works performed construction to raise the concrete walls of the UV channel. Concrete was poured on February 29. Zimmerman completed installation of the finger weir and one permanent UV module in the permanent channel on March 29. Redirection of flow into the permanent channel and start-up of that UV module was scheduled for April 3, but it has been tentatively pushed back to April 8 while awaiting missing module eye shields from Glasco. The vendor will be on site for the startup and will bring the missing eye shields as well as shorter cables that were not previously provided.

An updated tentative construction schedule follows with completed work in italics:

- *Delivery of Permanent UV Equipment – October 30, 2023*
- *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
- *Initiate Temporary Bypass Work – Mid-November 2023*
- *Complete Temporary Bypass Work and Initiate Use of Bypass System – January 23, 2024*
- *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
- *Township to Perform Concrete Channel Work – completed late-March 2024 (end of initial curing)*
- *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
- Redirect Flow back to Permanent Channel (± 30 days of 2nd NTP) – April 8, 2024
- Two Week Trial of New UV System in Permanent Channel – April 8-22, 2024
- Install Second UV Module into Permanent Channel – April 23, 2024
- Two Week Trial of Second New UV System in Permanent Channel – April 23-May 7, 2024
- Construction Completed – Mid-May 2024

Zimmerman drilled additional test holes in the CMU walls on March 29 to confirm the frequency of the grout and determine the size of the CMU blocks. Every other cell has grout and the blocks are 16" wide by 12" deep. With this information, our structural department designed an amended mounting system for the jib crane accordingly. The design has been provided to Zimmerman to order materials and for installation. The jib crane will be installed after the permanent channel is operational.

- **Generator #2 Replacement** – Premium Power Services released the Cummins' 500 kW diesel generator for fabrication in early March 2023. The generator is scheduled to be delivered to the RCSTP on April 8, with electrical work to follow.

We prepared electrical design and structural concrete pad plans for the new generator for use by the Township in construction. It is our understanding that the concrete slab was subsequently constructed by Public Works.

Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work with the exception of grouting one lateral connection, one manhole with infiltration that was identified during construction, and installing manhole-to-manhole cured-in-place pipe lining for one sewer run. They are performing lateral grouting on April 4 and cured-in-place pipe lining on April 5. The manhole grouting will be scheduled thereafter.

New Connections

- Millstone Meadows (1010 Hershey Mill Road) – No activity by Pennoni since our last report.
- 301 Reservoir Road (5-Lot Residential Subdivision) – No activity by Pennoni since our last report. We previously reviewed a revised Land Development Plan submission and provided comments to the design consultant, including comments on the proposed sanitary sewer extension alignment and other sewer design aspects. We are awaiting a resubmission.
- 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously installed, but we are not aware that the grinder pump has been installed.
- 14 Reservoir Road – No activity by Pennoni since our last report. We prepared the Sewage Facilities Planning Mailer and submitted it to the Design Consultant, who then submitted it to PADEP on March 5.

Chapter 94 Reports

- We completed the 2023 reports for the Ridley Creek, West Goshen (Chester Creek), and Westtown systems. We submitted the Ridley Creek report directly to PADEP via their OnBase system on March 29, and we submitted the Chester Creek and Westtown Tributary reports to West Goshen Township and Westtown Township respectively on March 25. East Goshen's existing and projected treatment and conveyance needs for all three systems are all well within available and permitted capacities.

A summary of the RCSTP and West Goshen reports follows:

- RCSTP:
 - The RCSTP's average influent flow was 404,000 gpd in 2023, which is slightly less than the flow from 2022. Flows remain well within the 750,000 gpd permitted average capacity of the plant. The 2023 flows are equivalent to 201 gpd/EDU, which is less than the Township's planning flow rate of 225 gpd/EDU. See Table 1 in the RCSTP Chapter 94 Report for a tabulation of 5-year flow history.
 - The projected future 5-year average and maximum monthly flows to the RCSTP are 460,000 gpd and 519,000 gpd, which is below the permitted capacity of the plant. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
 - The RCSTP's average organic loading was 915 lbs BOD₅/day in 2023, which is slightly less than the loading in 2022. Organic loadings remain well within the 2,098 lbs/day permitted capacity. See Table 3 in the RCSTP Chapter 94 Report for a tabulation of 5-year organic loading history.
 - The 5-year projected average and maximum monthly organic loading to the plant is 924 lbs BOD₅/day and 1,246 lbs BOD₅/day, which is well within the permitted capacity. Refer to the attached Chart 2 excerpt for a graph of the 5-year historical and 5-year projected organic loadings.
 - The Hershey's Mill and Hunt Country Pump Stations operated within their permitted hydraulic capacities in 2023, and they are projected to continue to do so in the future due to little to no projected upstream connections. See Table 8 in the RCSTP Chapter 94 Report for a summary of 2023 pump station flows versus capacities.
- West Goshen Service Area:
 - East Goshen's average daily flow was 688,000 gpd in 2023, which is an increase of 9.6% from 2022 and 8.0% from 2021. The actual flow rate in 2023 was 194 gpd/EDU, which is well under the planning flow rate of 225 gpd/EDU. This likely due to the ongoing success of the Township's aggressive I&I elimination program. See Table 1 in the West Goshen Chapter 94 Report for a tabulation of 5-year flow history.

- The projected future 5-year average and maximum monthly flows to West Goshen are 687,000 gpd and 785,000 gpd, which is well within the intermunicipal capacity of 1 MGD. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
- The Barkway and Ashbridge Pump Stations operated within their permitted hydraulic capacities in 2023 and are projected to continue to do so. See Table 8 in the West Goshen Chapter 94 Report for a summary of 2023 pump station flows versus capacities.

END OF REPORT

Chart 1 - Ridley Creek STP Hydraulic Loading

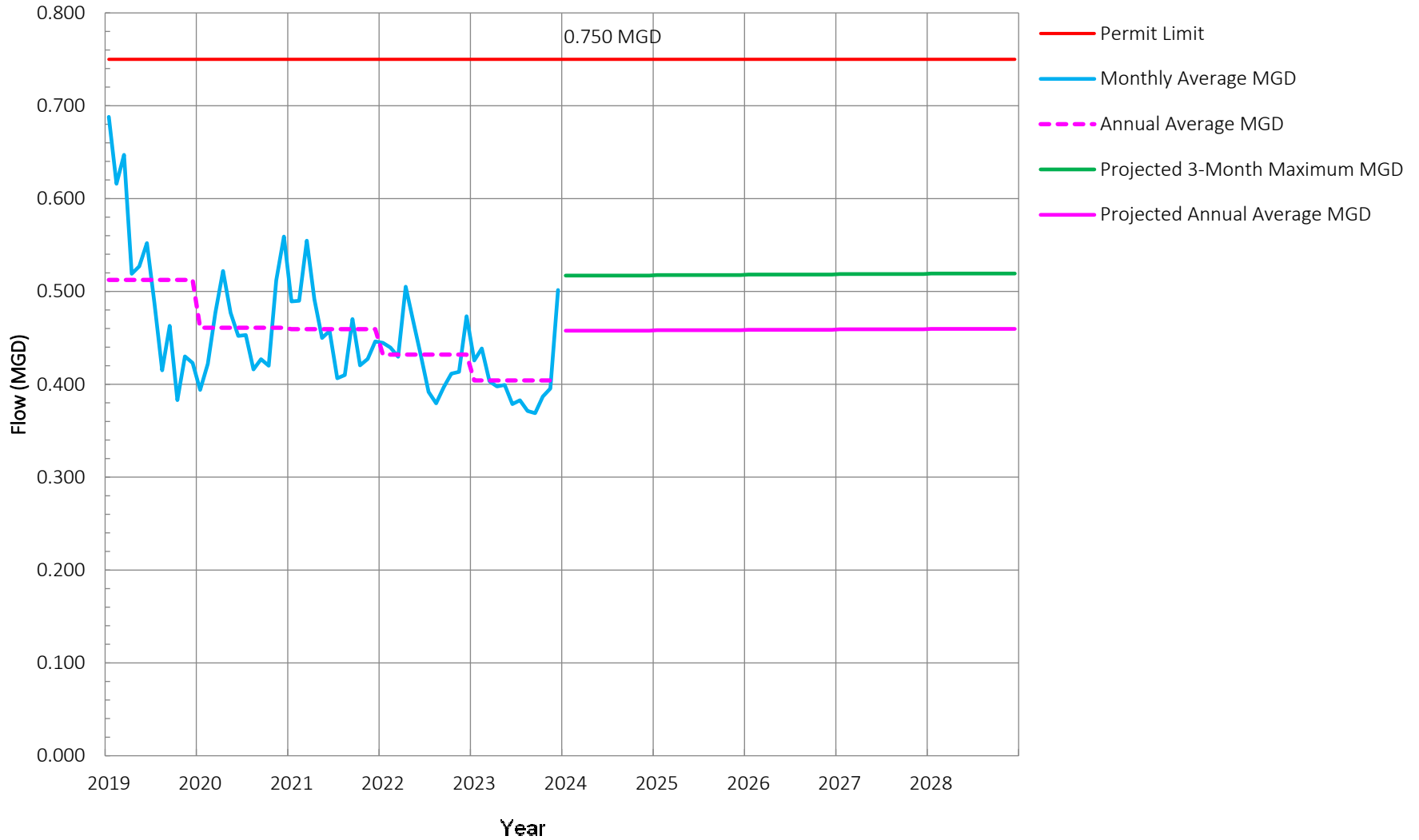


Chart 2 - Ridley Creek STP Organic Loading

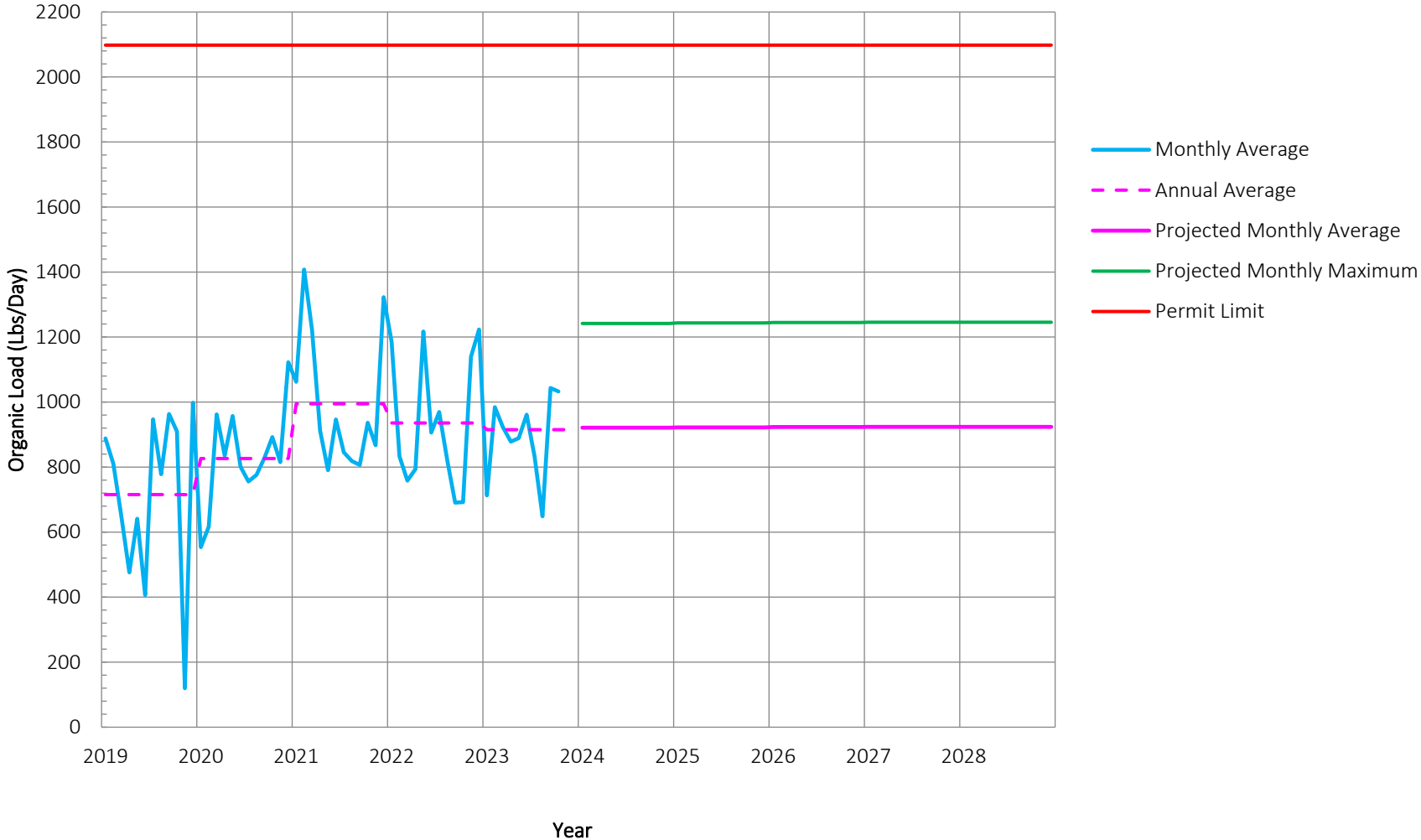
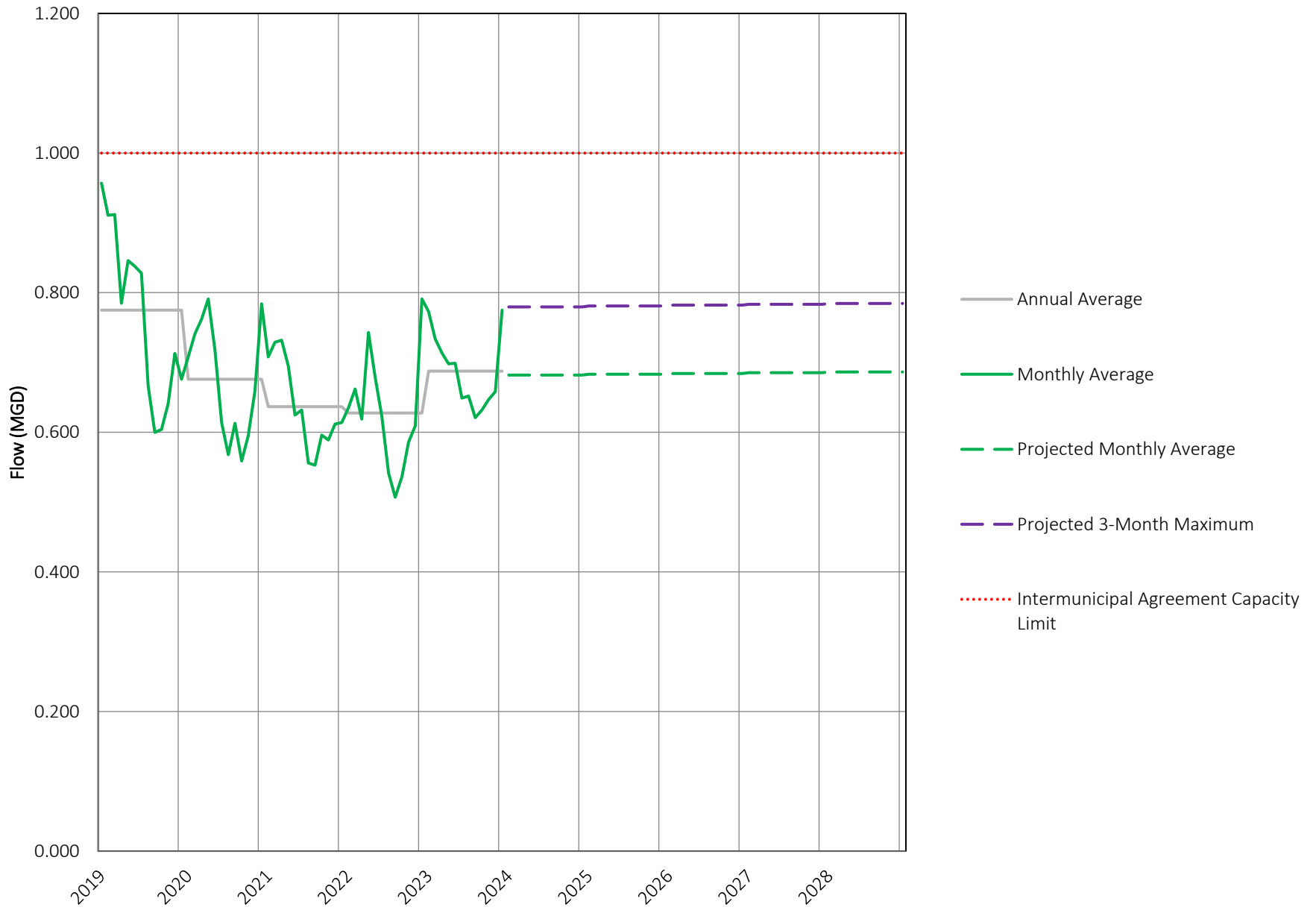


Chart 1 - West Goshen Service Area Hydraulic Loading





Executive Summary

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for March 2024. All supplemental reports were submitted for March 2024. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes decreased slightly to a daily average of 77.7 gallons from the previous standard of 79.1 gallons per day. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering experienced no mechanical issues impacting production. There were no odor complaints during the month.

Table 1

March 2024- Final Effluent - Outfall 001													
NPDES Permit Discharge Limitations	Flow	CBOD5		Total Nitrogen		TSS		NH4-N		Total Phosphorus		Fecal Coliform	
	MGD Average	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	7.0	44	0.5	3	200	1,000
Inst. Max	20	94			15	94	14		1				
Sample Date													
March 5, 2024	0.525	2.9	12.7	5.92	25.9	5.0	21.9	0.10	0.44	0.11	0.48	1	0.0000
March 12, 2024	0.461	2.6	10.0	5.93	22.8	4.0	15.4	0.10	0.38	0.20	0.77	1	0.0000
March 19, 2024	0.429	2.0	7.2	6.59	23.6	4.0	14.3	0.10	0.36	0.11	0.39	1	0.0000
March 26, 2024	0.327	2.7	7.4	9.39	25.6	7.6	20.7	0.10	0.27	0.19	0.52	1	0.0000
Average	0.436	2.6	9.3	6.96	24.5	5.2	18.1	0.10	0.36	0.15	0.54	1	
Minimum	0.327	2.0	7.2	5.92	22.8	4.0	14.3	0.10	0.27	0.11	0.39	1	
Maximum	0.525	2.9	12.7	9.39	25.9	7.6	21.9	0.10	0.44	0.20	0.77	1	

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for March 2024. The monthly average total phosphorus was reported as 0.15 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples consistently showed single digits. The results remain below the weekly maximum of 15 mg/L. The monthly average TSS is reported as 5.2 mg/L compared to the 10 mg/L discharge limitation.

The final effluent test results demonstrate that the biological treatment performed well during March. The sequencing batch reactors (SBRs) numbered 2, 3, and 4 were in service.

There was no March discharge to Applebrook Golf Course (Outfall 002).

Table 2 presents the pollutant data for the influent wastewater collected at the doghouse manhole during March 2024.

Table 2

March 2024 - Influent Wastewater													
Design Basis	Flow	BOD5		CBOD5		TSS		NH4-N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
Sample Date													
March 5, 2024	0.405	380	1,285	221	747	388	1,312	28.0	95	53.7	182	8.3	28.2
March 12, 2024	0.4080	375	1,276	344	1,171	314	1,068	24.0	82	51.5	175	6.6	22.5
March 19, 2024	0.3936	543	1,782	372	1,221	464	1,523	30.1	99	59.7	196	8.11	26.6
March 26, 2024	0.500	375	1,565	263	1,098	258	1,077	25	103	45.3	189	6	23.3
Average	0.427	418	1,477	300	1,059	356	1,245	26.7	95	52.6	185	7.16	25.2
Minimum	0.394	375	1,276	221.0	747	258	1,068	24.0	82	45.3	175	5.59	22.5
Maximum	0.500	543	1,782	372	1,221	464	1,523	30.1	103	59.7	196	8.34	28.2

PA DEP

No activity

Pennoni Associates

The UV system replacement project continues.

Significant Rainfall

During March, there were ten (10) days when rainfall occurred. Significant events occurred on the following dates:

3/2 1.12"

3/7 0.55"

3/10 1.48"

3/23 2.24"

3/28 0.58"

The total precipitation for the month was 7.00 inches of rain.

Chemical Data

March 2024		
<u>Chemical</u>	Daily Average	Total Monthly
Soda Ash, pounds	326	10,100
<u>Aluminum Sulfate Solution, gal</u>	77.7	2,409
<u>Sludge Dewatering, gal*</u>	23,954	526,993

*22 days of sludge dewatering

There was an increase of 77,884 gallons of sludge dewatering during March compared to February.

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.

Major Repairs or Upgrades

- 3/4 Forms were stripped from the UV channel. The concrete finishing process was started by Chas and his crew.
- 3/19 A Safety Shower was installed on the exterior of the SBR building, as required for filling the caustic soda tank.
- 3/29 Zimmerman installed weirs back into the UV channel, as well as placing one of the new UV racks in the channel.

Upcoming Repairs or Upgrades

We will run a test trial in April with the new UV equipment in the upgraded channel. That trial will run for a minimum of two weeks to ensure we are getting the numbers we need to maintain compliance with DEP. Once the trial is finished, the second light will be removed from the temporary bypass channel and permanently placed into the upgraded UV channel. The UV bypass system will then be disassembled.

-Now that the safety shower is installed, we can have the Caustic Soda tank filled and put that system online instead of soda ash.

-The backwash pump on Disk Filter #2 will be replaced with a new one. Once the old pump is removed from service, it will be rebuilt and be placed on the shelf to keep as a backup.

Flow Data

January 2024			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building	13.373	431,396	610,580
Influent Wastewater to SBRs	15.699	506,435	677,880
Internal Recycle	2.326	75,039	145,540
Treated Effluent to Disc Filters	15.108	487,351	646,552
Final Effluent Discharge	15.824	510,000	816,000
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

The plant hydraulic design loading is 745,000 gpd.

There were 3 high-flow events during March due to rain. They occurred on March 2nd, 10th, and 23rd.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
March 11, 2024

The East Goshen Township Municipal Authority held their regular meeting on Monday, March 11, 2024 at 7:00 pm. at the Township Building.

Members in attendance are indicated in **BOLD**:

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

Also in attendance were: **Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), Michele Truitt (Supervisor), Dave Ware (Finance Director) and Ellen Koopman (Attorney).**

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

Dana called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance.

Dana asked for a moment of silence for our Military and EMT.

Dana asked if anyone would be recording the meeting. There was no response.

Chairman’s Report/Other Members Report

Dana reported that on February 18th he and Walter met with the auditors. On February 29th he met with Dave Ware to work on financials and rate increases.

SEWER REPORTS

1. Director of Public Works, Mark Miller’s report for March 11, 2023.

Monthly Flows – The average daily flow to West Goshen was 867,548 gallons per day.

Meters: The meters were read on a daily basis. Calibration was completed two weeks ago. While working on the Westtown Way meter, we found a piece of flat steel stuck in the flume. The

1 technician said that was raising the flow by an estimated 200,000 gallons per day. The rest of the
2 meters were fine.

3
4 **C.C. Collection:**

5 • **I&I (Infiltration & Inflow):**

6 We have been busy looking for I&I. We have located several areas that will require
7 additional investigation.

8 Pipe Data View is scheduled for televising and cleaning at the end of the month. We will be
9 televising with our equipment as well. The company that completed the work on the
10 interceptor will be utilized to take care of the leaks we locate.

11 While looking for I&I, we found a manhole knocked off along West Chester Pike.

12 • The sewer lines along the Pike were in need of cleaning, so we cleaned from Rose Hill
13 Apartments down to Westtown Way.

14 • We still need to regrade the swale behind the Milltown Stores and cover the lateral lines
15 that have been exposed from the recent rains.

16 • Pump stations were visited on a daily basis, wet wells were washed down, and fuel was
17 checked in the generators.

18
19 **C.C. Interceptor:**

20 • The contactor has completed most of the work on the interceptor. I believe they have two
21 manholes left to repair.

22 • We started the sewer extension along Reservoir Road and the pipe work should be
23 completed on 3/8/24. When that is done, the area will be graded, raked, seeded and strawed.
24

25 **R.C. Collection:**

26 • The stations were visited on a daily basis with no real problems to report.

27 • We are also looking for I&I on this system.
28

29 **Ridley Creek Plant**

30 • The PWD formed up the walls for the new UV system and the pad for the new generator.

31 The forms have been stripped on both projects. The UV channel needs to set for two weeks
32 and once that is done, we can begin to install the rest of the equipment. The new generator is
33 due in late March.
34

35 **Alarms:** 16, all weather related

36 **PA 1 Calls:** 87

37 **Monthly Rainfall:** 2.07”
38

39 **Lateral Repairs or Caps:** No lateral repairs; 12 caps
40

41 **West Goshen Information:** According to Mike Moffa, the Westtown pump station is being worked
42 on, as the electrical components have arrived. He said it should be completed in June.
43
44
45
46

1 **2. Pennoni Engineer’s Report dated March 8, 2024**

2 ***Ridley Creek Sewage Treatment Plant (RCSTP)***

- 3 • **Caustic Soda Conversion** – No activity by Pennoni since our last report. Once the outdoor emergency
- 4 shower is installed, the tank can be put into operation.

5 We previously prepared a draft O&M Manual information for the system that was submitted

6 to the Township and operator for review. We will set up a meeting to review so that the

7 Manual can be finalized.

- 8 • **UV Disinfection System** –The temporary bypass system remains active.

9 Public Works performed construction to raise the concrete walls of the UV channel. Concrete

10 was poured on February 29. The concrete is being allowed to cure for a few weeks.

11 Installation of the UV module in the permanent raised channel be performed thereafter.

12 An updated tentative construction schedule follows with completed work in italics:

- 13 ○ *Delivery of Permanent UV Equipment – October 30, 2023*
- 14 ○ *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
- 15 ○ *Initiate Temporary Bypass Work – Mid-November 2023*
- 16 ○ *Complete Temporary Bypass Work and Initiate Use of Bypass System – January 23, 2024*
- 17 ○ *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
- 18 ○ Township to Perform Concrete Channel Work – Mid-March 2024 (end of initial curing)
- 19 ○ 2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024
- 20 ○ Redirect Flow back to Permanent Channel (±30 days of 2nd NTP) – April 8, 2024
- 21 ○ Two Week Trial of New UV System in Permanent Channel – April 8-22, 2024
- 22 ○ Install Second UV Module into Permanent Channel – April 23, 2024
- 23 ○ Two Week Trial of Second New UV System in Permanent Channel – April 23-May 7, 2024
- 24 ○ Construction Completed – Mid-May 2024

25 Zimmerman drilled two test holes in the CMU walls on February 27. One had grout and the

26 other did not. It is unknown how frequent the grouting is. Our structural department is

27 designing an amended mounting system for the jib crane accordingly.

28 We reviewed Lenni’s second payment application for the temporary and permanent electrical

29 work completed and provided a payment recommendation letter.

30 We processed Zimmerman’s first payment application for the temporary general contract

31 work and provided a payment recommendation letter.

- 32 • **Generator #2 Replacement** – Premium Power Services released the Cummins’ 500 kW diesel
- 33 generator for fabrication in early March 2023. As of December 13, the estimated ship date is March
- 34 26, 2024.

35 We prepared electrical design and structural concrete pad plans for the new generator for use

36 by the Township in construction. It is our understanding that the concrete slab was

37 subsequently constructed by Public Works.

38 ***Sanitary Sewer Pipe Rehab***

- 39 • **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all manhole pressure
- 40 grouting and pipe grouting work with the exception of one manhole with infiltration that was
- 41 identified during construction. Insituform also still needs to perform manhole-to-manhole cured-in-

1 place piping for one sewer run. We are awaiting their schedule to complete the work.
2 We also processed the Contractor's third payment application and provided a
3 recommendation letter.

4 5 ***New Connections***

- 6 • Millstone Meadows (1010 Hershey Mill Road) – No activity by Pennoni since our last report.
- 7 • 301 Reservoir Road (5-Lot Residential Subdivision) – We reviewed a revised Land Development Plan
8 submission and provided comments to the design consultant, including comments on the proposed
9 sanitary sewer extension alignment and other sewer design aspects.
- 10 • 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously
11 installed, but we are not aware that the grinder pump has been installed.
- 12 • 14 Reservoir Road – We prepared the Sewage Facilities Planning Mailer and submitted it to the
13 Design Consultant, who then submitted it to PADEP.

14 ***Chapter 94 Reports***

- 15 • We continued preparation of the 2023 Chapter 94 Reports for the Ridley Creek, Chester Creek, and
16 Westtown systems. The reports will be submitted to PADEP by the March 31 deadline.

17 18 **3. Big Fish Environmental Services** –

19 The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water
20 quality for February 2024. All supplemental reports were submitted for the January 2024. Chemical
21 usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate
22 solution volumes decreased slightly to a daily average of 79.1 gpd from the previous standard of 79.3
23 gallons per day. No significant mechanical or operational issues were observed during the sludge
24 dewatering equipment or SBR treatment process. Sludge dewatering experienced no mechanical
25 issues impacting production. There were no odor complaints during the month.

26 27 28 **Approval of Minutes**

29 The minutes of the February 12, 2024 meeting were approved as amended.

30 31 32 **Approval of Invoices**

33 1. Kevin moved to approve payment of the following Pennoni invoices:

- 34 a. Invoice #1211383 \$ 2,698.50
- 35 b. Invoice #1211389 \$ 4,235.75
- 36 c. Invoice #1211391 \$ 3,658.25
- 37 d. Invoice #1211393 \$ 725.00
- 38 e. Invoice #1211395 \$ 649.75

39 Jack seconded the motion. The motion passed unanimously.

- 1 2. Kevin moved to accept the Insituform Technologies Chester Creek Interceptor Inspection &
2 Repair Change Order #1 in the amount of -\$3,650.00. Carmen seconded the motion. The motion
3 passed unanimously.
- 4 3. Carmen moved to approve payment of the Insituform Technologies Chester Creek Interceptor
5 Inspection & Repair Payment Application #3 in the amount of \$12,870.00. Kevin seconded the
6 motion. The motion passed unanimously.
- 7 4. Carmen moved to approve payment of the Zimmerman Environmental RCSTP UV Disinfection
8 System Replacement Payment Application #1 in the amount of \$31,183.78. Jack seconded the
9 motion. The motion passed unanimously.
- 10 5. Kevin moved to approve the Lenni Electric RCSTP UV Disinfection System Replacement
11 Payment Application #2 in the amount of \$3,541.86. Carmen seconded the motion. The motion
12 passed unanimously.
- 13 6. Walter moved to approve payment of the following Lenni Electric Invoices:
- 14 a. 240120 \$3,980.40 Paid
15 b. 240243 \$2,149.78 Paid
- 16 Kevin seconded the motion. The motion passed unanimously.
- 17 7. Carmen moved to approve payment of the Maillie invoice #103567 in the amount of \$500.00
18 (paid). Walter seconded the motion. The motion passed unanimously.
- 19 8. Kevin moved to approve payment of Yale Electric Supply invoice #S124857173.001 in the
20 amount of \$141.57 (paid). Carmen seconded the motion. The motion passed unanimously.
- 21 9. Kevin moved to approve payment of the following invoices for Kappe Associates:
- 22 a. 24-093-M \$1,427.00 (paid)
23 b. 24-097-M \$ 450.00 (paid)
- 24 10. Kevin moved to approve payment of the Xylem Water Solutions invoice #3556D12150 in the
25 amount of \$33,647.00 (paid). Carmen seconded the motion. The motion passed unanimously.
- 26 11. Kevin moved to approve payment of the Mainline Concrete & Supply invoice #531831 in the
27 amount of \$356.00 (paid). Carmen seconded the motion. The motion passed unanimously.
- 28 12. Kevin moved to approve payment of the CB Dombach and Son invoice #4041 in the amount of
29 \$800.00 (paid). Carmen seconded the motion. The motion passed unanimously.

30

31 **Liaison Reports**

32 1. Conservancy Board – Walter mentioned that they elected new officers – Dan is the Chairman and
33 Karen is the Vice Chairman. Keep East Goshen Beautiful Day (KEGBD) is Saturday April 20th.

34

35 **Financial Reports**

36 Dave Ware provided the following report:

37 Year to date February 2024, the Municipal Authority recorded \$175,797.61 in revenues (primarily
38 from Sewer Capital Reserve transfers) and \$172,551.49 in expenses (RCSTP UV replacement capital
39 costs, Flygt pump, and Chester Creek Interceptor work by Insituform Technologies). The net result of
40 operations is \$3,246.12. As of February 29, 2024, the fund balance was \$10,808.28.

41

42 **Old Business**

43 None

44

45 **Goals** – The goals were discussed for the ABC meeting tomorrow night.

46

47

1 **New Business** – None

2

3 **Capacity Requests** - None

4

5 **Any Other Matter** - None

6

7 **Correspondence**- None

8

9 **Public Comment** - None

10

11 **Adjournment**

12 There being no further business Walter moved to adjourn the meeting. Carmen seconded the motion.

13 The motion passed unanimously. The meeting was adjourned at 7:30 pm.

14 The next regular meeting will be held on Monday, April 8, 2024 at 7:00 pm.

15

16 Respectfully submitted,

17

18

19 Ruth Kiefer, Recording Secretary



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 : 1216255
Invoice Date : 03/29/2024
Project : EGMAU22004
Project Name : RCSTP UV
Replacement

For Services Rendered Through 03/17/2024

Construction Phase Services: Processed Pay Application #2 from Lenni Electric and Pay Application #1 from Zimmerman Mechanical, reviewed prevailing wage certifications, updates on concrete channel raising by PW Department, and initiated structural design for jib crane mounting to partially grouted walls.

Phase	02	Construction Phase Services		
Labor				
		Hours	Rate	Amount
Authority Engineer		1.00	153.00	153.00
Associate Professional		4.50	113.00	508.50
Totals		5.50		661.50
Total Labor				661.50
Billing Limits				
		Current	Prior	To-Date
Total Billings		661.50	12,650.00	13,311.50
Limit				16,000.00
Remaining				2,688.50
			Total this Phase	\$661.50
			Total this Invoice	\$661.50

PAID

APPROVED BY: [Signature] 4/1/24
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07429-1505

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

RCSTP UV Replacement
EGMAU22004 Invoice Summary
Invoice Date 2/22/2024

Project:	EGMAU22004		
Pennoni Job No.:	RCSTP UV Replacement		
Invoice No:	1216255		
Invoice Period:	2/12/2024	to	3/17/2024
Initial Authorization:	\$ 30,000.00	Date:	3/29/2024
Contract Amount:	\$ 60,000.00		
Previously Invoiced:	\$ 56,545.75		
Current Invoice:	\$ 661.50		
Invoiced to Date (\$):	\$ 57,207.25		
Invoiced to Date (%):	95%		
Remaining Budget (\$):	\$ 2,792.75		
Remaining Budget (%):	5%		

Budget by Phase:

Phase Name:	RCSTP UV Replacement		
Phase Budget:	\$ 60,000.00		
Previously Invoiced:	\$ 56,545.75		
Current Invoice:	\$ 661.50		
Invoiced to Date (\$):	\$ 57,207.25		
Invoiced to Date (%):	95%		
Remaining Budget (\$):	\$ 2,792.75		
Remaining Budget (%):	5%		

Comments: Construction Phase Services: Processed Pay Application #2 from Lenni Electric and Pay Application #1 from Zimmerman Mechanical, reviewed prevailing wage certifications, updates on concrete channel raising by PW Department, and initiated structural design for jib crane mounting to partially grouted walls.
Invoice period is from 2/12/2024 through 3/17/2024. Effort in 2023 is invoiced at 2023 hourly rates. Effort in 2024 is invoiced at 2024 hourly rates.



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 : 1216256
Invoice Date : 03/29/2024
Project : EGMAU23003
Project Name : Chester Creek
Interceptor Rehab
Phase 1

For Services Rendered Through 03/17/2024

Construction phase services: Completed review of pipe inspection videos, processed Change Order #1, processed Pay Application #3, coordinated for additional manhole grouting, punchlist updates, construction scheduling, and part-time construction inspections of manhole and pipe grouting.

Billing Limits	Current	Prior	To-Date
Total Billings	3,163.50	7,385.75	10,549.25
Limit			12,000.00
Remaining			1,450.75

Labor

	Hours	Rate	Amount
Authority Engineer	1.75	153.00	267.75
Project Professional	5.50	131.00	720.50
Associate Professional	19.25	113.00	2,175.25
Totals	26.50		3,163.50
Total Labor			3,163.50

Total this Invoice \$3,163.50

APPROVED BY: _____ 4/1/24
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-424-3700

PAID

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

Chester Creek Interceptor Rehab Phase 1
EGMAU23003 Invoice Summary
Invoice Date 2/22/2024

Project: EGMAU23003
Pennoni Job No.: Chester Creek Interceptor Rehab Phase 1
Invoice No: 1216256
Invoice Period: 2/12/2024 to 3/17/2024
Initial Authorization: \$ 12,000.00 **Date:** 3/29/2024
Contract Amount: \$ 12,000.00
Previously Invoiced: \$ 7,385.75
Current Invoice: \$ 3,163.50
Invoiced to Date (\$): \$ 10,549.25
Invoiced to Date (%): 88%
Remaining Budget (\$): \$ 1,450.75
Remaining Budget (%): 12%

Budget by Phase:

Phase Name: Chester Creek Interceptor Rehab Phase 1
Phase Budget: \$ 12,000.00
Previously Invoiced: \$ 7,385.75
Current Invoice: \$ 3,163.50
Invoiced to Date (\$): \$ 10,549.25
Invoiced to Date (%): 88%
Remaining Budget (\$): \$ 1,450.75
Remaining Budget (%): 12%

Comments: Construction phase services: Completed review of pipe inspection videos, processed Change Order #1, processed Pay Application #3, coordinated for additional manhole grouting, punchlist updates, construction scheduling, and part-time construction inspections of manhole and pipe grouting.



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 : 1216257
Invoice Date : 03/29/2024
Project : EGMAU23004
Project Name : RCSTP Generator _2
Replacement

For Services Rendered Through 03/17/2024

Continued structural design for the concrete pad expansion; and submitted draft construction plans to the Township for review.

Billing Limits	Current	Prior	To-Date
Total Billings	1,028.50	4,146.50	5,175.00
Limit			15,000.00
Remaining			9,825.00

Labor

	Hours	Rate	Amount
Senior Professional	2.50	148.00	370.00
Project Professional	.75	131.00	98.25
Graduate Professional	2.50	104.00	260.00
Associate Professional	2.25	113.00	254.25
Engineering Tech	.50	92.00	46.00
Totals	8.50		1,028.50
Total Labor			1,028.50
Total this Invoice			<u>\$1,028.50</u>

APPROVED BY: _____ *[Signature]*
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-429-1805

PAID

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

RCSTP Generator - 2 Replacement
EGMAU23004 Invoice Summary
Invoice Date 2/22/2024

Project: EGMAU23004
Pennoni Job No.: RCSTP Generator - 2 Replacement
Invoice No: 1216257
Invoice Period: 2/12/2024 to 3/17/2024
Initial Authorization: \$ 15,000.00 **Date:** 3/29/2024
Contract Amount: \$ 15,000.00
Previously Invoiced: \$ 4,146.50
Current Invoice: \$ 1,028.50
Invoiced to Date (\$): \$ 5,175.00
Invoiced to Date (%): 35%
Remaining Budget (\$): \$ 9,825.00
Remaining Budget (%): 66%

Budget by Phase:

Phase Name: RCSTP Generator - 2 Replacement
Phase Budget: \$ 15,000.00
Previously Invoiced: \$ 4,146.50
Current Invoice: \$ 1,028.50
Invoiced to Date (\$): \$ 5,175.00
Invoiced to Date (%): 35%
Remaining Budget (\$): \$ 9,825.00
Remaining Budget (%): 66%

Comments: Continued structural design for the concrete pad expansion; and submitted draft construction plans to the Township for review.



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 : 1216258
Invoice Date : 03/29/2024
Project : EGMAU24001
Project Name : 2024 General
Services

For Services Rendered Through 03/17/2024

Prepared for and attended February and March MA meetings including review of monthly RCSTP operator's reports. Submitted March Engineer's Report. Assistance to Finance Director and PW Director on long-term collection system rehabilitation planning and budgeting.

Billing Limits	Current	Prior	To-Date
Total Billings	1,609.50	1,524.75	3,134.25
Limit			42,000.00
Remaining			38,865.75

Labor

	Hours	Rate	Amount
Authority Engineer	7.75	153.00	1,185.75
Associate Professional	3.75	113.00	423.75
Totals	11.50		1,609.50
Total Labor			1,609.50

Total this Invoice \$1,609.50

APPROVED BY: [Signature] 4/1/24
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-424-3180

PAID

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

2024 General Services
EGMAU24001 Invoice Summary
Invoice Date 2/22/2024

Project:	EGMAU24001		
Pennoni Job No.:	2024 General Services		
Invoice No:	1216258		
Invoice Period:	2/12/2024	to	3/17/2024
Initial Authorization:	\$ 42,000.00	Date:	3/29/2024
Contract Amount:	\$ 42,000.00		
Previously Invoiced:	\$ 1,524.75		
Current Invoice:	\$ 1,609.50		
Invoiced to Date (\$):	\$ 3,134.25		
Invoiced to Date (%):	7%		
Remaining Budget (\$):	\$ 38,865.75		
Remaining Budget (%):	93%		

Budget by Phase:

Phase Name:	2024 General Services		
Phase Budget:	\$ 42,000.00		
Previously Invoiced:	\$ 1,524.75		
Current Invoice:	\$ 1,609.50		
Invoiced to Date (\$):	\$ 3,134.25		
Invoiced to Date (%):	7%		
Remaining Budget (\$):	\$ 38,865.75		
Remaining Budget (%):	93%		

Comments: Prepared for and attended February and March MA meetings including review of monthly RCSTP operator's reports. Submitted March Engineer's Report. Assistance to Finance Director and PW Director on long-term collection system rehabilitation planning and budgeting.



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 : 1216259
Invoice Date : 03/29/2024
Project : EGMAU24002
Project Name : 2023 Chapter 94
Reports

For Services Rendered Through 03/17/2024

Continued preparation of Chapter 94 Reports.

Billing Limits	Current	Prior	To-Date
Total Billings	1,101.75	1,394.25	2,496.00
Limit			9,000.00
Remaining			6,504.00

Labor

	Hours	Rate	Amount
Associate Professional	9.75	113.00	1,101.75
Totals	9.75		1,101.75
Total Labor			1,101.75
Total this Invoice			<u>\$1,101.75</u>

PAID

APPROVED BY: [Signature] 4/1/24
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-424-380

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

2023 Chapter 94 Reports
EGMAU24002 Invoice Summary
Invoice Date 2/22/2024

Project: EGMAU24002
Pennoni Job No.: 2023 Chapter 94 Reports
Invoice No: 1216259
Invoice Period: 2/12/2024 to 3/17/2024
Initial Authorization: \$ 9,000.00 **Date:** 3/29/2024
Contract Amount: \$ 9,000.00
Previously Invoiced: \$ 1,394.25
Current Invoice: \$ 1,101.75
Invoiced to Date (\$): \$ 2,496.00
Invoiced to Date (%): 28%
Remaining Budget (\$): \$ 6,504.00
Remaining Budget (%): 72%

Budget by Phase:

Phase Name: 2023 Chapter 94 Reports
Phase Budget: \$ 9,000.00
Previously Invoiced: \$ 1,394.25
Current Invoice: \$ 1,101.75
Invoiced to Date (\$): \$ 2,496.00
Invoiced to Date (%): 28%
Remaining Budget (\$): \$ 6,504.00
Remaining Budget (%): 72%

Comments: Continued preparation of Chapter 94 Reports.


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

Date: 2/29/2024
Invoice Number: 104543
Client: 2500.000
Due Date: Upon Receipt

Billing for time incurred from February 1, 2024 to February 29, 2024 for the following services:

Progress billing on December 31, 2023 audit

Invoice Total: \$7,000.00

APPROVED BY: 
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-424-3 170

PAID

Please return this portion with payment.

ID: 2500
East Goshen Municipal Authority

Date: 2/29/2024
Due Date: Upon Receipt

Invoice: 104543
Amount Due: \$7,000.00

Amount Enclosed: \$ _____

Please make checks payable to Maillie LLP.



Delaware River Basin Commission
 P.O. Box 7360
 West Trenton, NJ 08628-0360
 (609) 883-9500
 www.drbc.gov

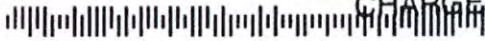
Invoice Date: 03/01/2024
Invoice ID: 242175
Docket Number: D-2000-030 CP
Customer ID: 10348
Amount Due: \$749.00
Due Date: 04/01/2024

March 1, 2024

East Goshen Municipal Authority
 Accounts Payable
 1580 PAOLI PIKE
 WEST CHESTER, PA 19380-6107

APPROVED BY: [Signature] 3/17/24
 DATE PAID: _____
 CHECK #: _____
 CHARGED TO: 07-424-3000

For additional information:
 Website: www.drbc.gov/fees
 Email: annualfee@drbc.gov



Dear Docket Holder:

In accordance with Delaware River Basin Commission (DRBC) Resolution No. 2016-09, codified in relevant part at 18 CFR 401.43, each withdrawal and/or discharge project for which a water allocation and/or wastewater discharge approval has been issued pursuant to the Delaware River Basin Compact and implementing regulations ("Approval") is subject to DRBC's annual monitoring and coordination fee ("annual fee"). The annual fee corresponds to the volume of the monthly allocation and/or daily discharge capacity--whether express or implicit--established by the Approval. The allocation/discharge volumes and corresponding fees are shown in the schedule on the reverse of this invoice.

If an entity has received an Approval (or Approvals) for both water allocation and wastewater discharge activities, separate invoices will be issued for these separate activities. This invoice includes the annual fee for the facility and activity identified below for calendar year 2024. The invoiced amount was calculated based on the monthly allocation (in MGM) or daily discharge capacity (in MGD) approved as of January 1, 2024.

This invoice pertains to the Daily Discharge Capacity approved by D-2000-030 CP and is based on an amount of 0.75 MGD.

Note: Please complete and submit the online Annual Fees Billing Information Update Request Form at www.drbc.gov/fees for address, contact name, phone number, and/or email changes regarding your annual fee billing. Email us at annualfee@drbc.gov with any billing questions.

Detach here and return coupon with payment

East Goshen Municipal Authority

Make check payable to
Delaware River Basin Commission

Invoice Date: 03/01/2024
Invoice ID: 242175
Docket Number: D-2000-030 CP
Customer ID: 10348
Amount Due: \$749.00
Due Date: 04/01/2024

Amount Enclosed: \$ _____

Delaware River Basin Commission
 PO Box 788801
 Philadelphia, PA 19178-8801



PAID

0000010348500002421759900000004012024000000000749005

2024 ANNUAL MONITORING AND COORDINATION FEE

Water Allocation	<u>Annual Fee</u>	<u>Water Allocation</u>
	\$368	< 4.99 mgm
	\$553	5.00 to 49.99 mgm
	\$798	50.00 to 499.99 mgm
	\$1,013	500.00 to 9,999.99 mgm
	\$1,228	> or = to 10,000 mgm
Daily Discharge Capacity	<u>Annual Fee</u>	<u>Daily Discharge Capacity</u>
	\$368	< 0.05 mgd
	\$749	0.05 to 0.9 mgd
	\$1,007	1 to 10 mgd
	\$1,228	> 10 mgd

01/14/24



Gawthrop Greenwood, PC
Attorneys at Law

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

GAWTHROP GREENWOOD CLIENT INVOICE

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
03/07/2024
Client No: 6604-001M
Invoice No. 286743

PAID

General Authority Services

Fees

Date	Timekeeper	Description	Hours	Rate	Total
02/05/2024	PMM	Message from and telephone conference with M. Miller.	0.40		82.00
02/06/2024	PMM	Message from M. Miller regarding Reservoir Road bid matter.	0.20		41.00
02/09/2024	PMM	Email from L. Werkheiser regarding meeting materials.	0.20		41.00
02/12/2024	PMM	Preparation for and attend Authority Board meeting.	1.30		266.50
		For Current Services Rendered	2.10		430.50

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Patrick M. McKenna, Esquire	2.10	\$205.00	\$430.50

Previous Balance \$528.50
Total Current Charges 430.50

02/16/2024 Payment -528.50
Balance Due \$430.50

APPROVED BY: *[Signature]*
DATE PAID: _____
CHECK #: _____
CHARGED TO: 57-424-3140



Gawthrop Greenwood, PC
Attorneys at Law

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

GAWTHROP GREENWOOD CLIENT INVOICE

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
03/07/2024
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
528.50	430.50	0.00	-528.50	<u>\$430.50</u>

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.



HEILMANN LANDSCAPING

Lawn Care | Mulching | Fall Cleanups | Snow Removal
610-952-8381

INVOICE

PAID

Client: East Goshen Township
Address: East Goshen Township Sewer Plant
Phone: 610-692-7171
Date Billed: 3/8/2024

Description	Quantity	Unit Price	Cost
Dumpster Rental- Construction Debris	1	\$ 450	\$ 450
		Subtotal	\$ 450
		Total	\$ 450

Payment can be made through venmo @JP-Heilmann or check mailed to:

Joseph Heilmann
331 Galway Drive
West Chester, PA 19380

APPROVED BY: MSM

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07429-1505

Thank you for your business!
JP Heilmann

THE SHERWIN WILLIAMS CO.
704 E MARKET ST
WEST CHESTER PA 19382 4839



SHERWIN-WILLIAMS

Visit www.sherwin-williams.com
Store 705876
(610) 696-2265
Fax: (610) 696-1319
JOB 1 EAST GOSHEN TWP

**CHARGE
INVOICE**

No. 2485-3
TRC# 1079545
PAGE 1 OF 1
PO# RIDLEY

ACCOUNT: 4215-5224-1

EAST GOSHEN TWP
1580 PAOLI PIKE
WEST CHESTER PA 19380 6107

DATE: 03/12/2024
TIME: 11:35 AM
2-6789
E66/10060

(610) 692-7171

* INDICATES SALE PRICE

TERMS: NET PAYMENT DUE ON APR. 20th

SALES NUMBER	SIZE	PRODUCT	DESCRIPTION	QTY	PRICE	VALUE
6504-30499	5 GAL	B51W620	PREPRT PB LTX WHT	5	23.79*	118.95N

Thank You
receipt required for refund

SUBTOTAL BEFORE TAX 118.95
6.000% SALES TAX:1-391938200 0.00
CHARGE \$118.95

MERCHANDISE RECEIVED IN GOOD ORDER BY:

CHAS

STORE HOURS

SUNDAY: 10:00 AM - 4:00 PM
MONDAY - FRIDAY: 6:30 AM - 6:00 PM
SATURDAY: 8:00 AM - 5:00 PM

PAID

APPROVED BY: [Signature]
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-429-VW



HORN PLUMBING & HEATING, INC.

304 NATIONAL ROAD, SUITE 100, EXTON, PA 19341

HIC# PA 031148

(610) 363-4200 FAX (610) 363-9080 www.hornplumbing.com

HIC PA License Number: 031148

Invoice

Invoice Date: 3/20/2024
Invoice Number: 1456133

S
O ATTN: A/P DEPT
L EAST GOSHEN TOWNSHIP
D 1580 PAOLI PIKE
WEST CHESTER, PA 19380
T
O

J
O
B EAST GOSHEN TOWNSHIP
S 1751 TOWNE DRIVE
I WEST CHESTER, PA 19380
T
E

(610) 692-7171 mmiller@eastgoshen.org

(610) 692-7171

East1580

NET DUE

\$3,101.53

Tech Terms Purchase Order

Mark T Due on receipt

Problem:

Install customer supplied emergency shower / eyewash station at the sewer plant with heat cable.

Work Performed:

Mark & Gabe: 3/7/2024 - 7.5 Hrs. No Charge Labor or Material

Install new tee on the main water supply line so a new cold water line could be run to the eye wash station Run 3/4-in pex from the main to the eye wash station.

Mark & Cassidy: 3/12/2024 - 6.25 Hrs. Labor Cost: \$ 1,750.00

Removed 3/4 inch PEX tubing and install new one inch copper tubing from main to the eye wash unit outside the building for proper water flow

Drill hole through outside wall and connect to the eye wash

Pressurized all work, assembled both handles to shower and eye wash and test operation of both Cement holes closed except for inch and a quarter galvanized hole and pipe that needs heat cable.

Mark & Mike R: 3/18/2024 - 1.5 Hrs. Labor Cost: \$ 420.00

Install heat cable around galvanized water line at eye wash station going through outside wall. Install pipe insulation around heat tape and pipe.

*NOTE: Customer to have an electrical outlet installed inside the building to power the the heat cable to prevent the pipe from freezing in the winter months.

Labor: \$ 2,170.00

Material: \$ 931.53

\$ 3,101.53

PAID

Part	Description	Quantity	Unit Price	Extension
WO: 1456133	Date: 3/20/2024 Tech: Mark Tyson			
	Total Labor	1.00		2,170.00
	Total Material			931.53

APPROVED BY:

DATE PAID: _____

CHECK #: _____

CHARGED TO: 67-429-1505

Thank you for your business. A 1.5% service charge will be accrued on unpaid invoices over 30 days.

Customer Copy

March 22, 2024

Juan Martinez

70 Washington Ave

Coatsville Pa. 19320

Prep seal and paint block chamber at the Ridley Creek Sewer Plant.

7 hours x \$35.00 = \$245.00

Thank you.

Juan

PAID

APPROVED BY: MSM  3/26/24

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07-424-3006

Memo

To: Municipal Authority
From: Dave Ware
Re: MA March 2024 YTD Financial Report
Date: April 4, 2024

YTD March 2024, the Municipal Authority recorded \$250,628 in revenues (primarily from Sewer Capital Reserve transfers) and \$247,033 in expenses (RCSTP UV replacement capital costs, Flygt pump, and Chester Creek Interceptor work by Insituform Technologies). The net result of operations is \$3,594. As of March 31, 2024, the fund balance was \$11,156.

Attached is a complete list of 2024 YTD detailed MA revenues and expenses.

EAST GOSHEN TOWNSHIP
Municipal Authority Fund
YTD March 2024

<u>REVENUE</u>	Account Id	Account Description	Annual Budget	Current YTD	Prior YTD
	07-341-1000	INTEREST EARNINGS	0.00	126.78	32.34
	07-354-0400	DCED GRANT	0.00	0	0
	07-364-1100	C.C. TAPPING FEES	2,300.00	0.00	0.00
	07-364-1110	R.C.TAPPING FEES	8,574.08	893.52	893.52
	07-364-1130	CONNECTION FEES - SEWER	1,127.52	281.88	563.76
	07-380-1000	MISCELLANEOUS REVENUE	564.06	141.12	282.24
	07-392-0500	TRANSFER FROM SEWER OPERATING	109,517.00	31,039.01	35,903.09
	07-392-0900	TRANSFER FROM SEWER CAP RESERVE	837,464.00	218,145.39	271,781.89
		Total Revenue	959,546.66	250,627.70	309,456.84
<u>EXPENSES</u>					
	07-424-1400	ADMINISTRATIVE WAGES	39,847.09	11,190.26	8,944.84
	07-424-3000	MISCELLANEOUS EXPENSE	3,286.22	994.00	1,595.25
	07-424-3110	MUNIC.AUTH.-AUDITING	21,630.00	7,500.00	9,793.00
	07-424-3130	ENGINEERING SERVICES	48,667.50	3,440.50	11,407.50
	07-424-3140	LEGAL SERVICES	8,652.00	1,492.00	1,592.50
	07-424-3700	CHESTER CREEK ENGINEERING	0.00	5,991.25	0.00
	07-424-7490	CAP.REPLACEMENT R.C.	310,500.00	0.00	0.00
	07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	85,000.00	0.00	10,240.62
	07-429-1505	RCSTP CAPITAL	366,963.85	129,890.39	62,692.11
	07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	0.00	88,720.71
	07-429-3700	CHESTER CREEK CAPITAL	0.00	86,535.00	0.00
	07-429-6100	WEST GOSHEN CAPITAL	75,000.00	0.00	115,362.26
		Total Expenses	959,546.66	247,033.40	310,348.79
		Net Result From Operations	0.00	3,594.30	-891.95

Municipal Authority
YTD Revenues and Expenses thru 3/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/24	Revenue Journal	INTEREST EARNED JANUARY 2024	35.21
07-341-1000	INTEREST EARNINGS	02/29/24	Revenue Journal	INTEREST EARNED FEBRUARY 2024	41.23
07-341-1000	INTEREST EARNINGS	03/31/24	Revenue Journal	INTEREST EARNED MARCH 2024	50.34
07-364-1110	R.C.TAPPING FEES	01/02/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	02/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	03/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	01/25/24	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 13262	281.88
07-380-1000	MISCELLANEOUS REVENUE	01/25/24	Revenue Journal	PINE ROCK INTEREST PORTION - STOFFLET	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/09/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	431.00
07-392-0500	TRANSFER FROM SEWER OPERATING	01/11/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	533.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/14/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	4,349.75
07-392-0500	TRANSFER FROM SEWER OPERATING	02/22/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	500.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/11/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	749.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/15/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	6,041.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/21/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	7,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/26/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	245.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/27/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	11,190.26
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/02/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,720.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/05/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	94.02
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/10/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	97.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/26/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	14,805.16
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/26/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	9,530.65
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/31/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,136.12
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,860.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/08/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	91.92
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/14/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,598.99
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/15/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	73,665.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/22/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,848.97
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/27/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	46,517.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/29/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	923.91
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/05/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,703.78
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	800.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/11/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,991.86
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/15/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	37,659.48
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/21/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,101.53
Total Revenue					250,627.70
07-424-1400	ADMINISTRATIVE WAGES	03/26/24	Pay Check: 706	24-00730 QTR 1 2024 MA CHARGE BACK	11,190.26
07-424-3000	MISCELLANEOUS EXPENSE	03/11/24	Pay Check: 3493	24-00582 2024 ANNUAL DAILY DISCHARGE CA	749.00
07-424-3000	MISCELLANEOUS EXPENSE	03/26/24	Pay Check: 3502	24-00722 PREP SEAL & PAINT BLOCK CHAMBER	245.00

Municipal Authority
YTD Revenues and Expenses thru 3/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3110	MUNIC.AUTH.-AUDITING	02/22/24	Pay Check: 3486	24-00447 PROGRESS BILLING AUDIT EGT MUA	500.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/21/24	Pay Check: 3501	24-00676 PROGRESS BILLING AUDIT EGT MUA	7,000.00
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00380 SERV THRU 011424 23 CHAPTER 94	744.50
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00381 SERV THRU 011424 2024 GEN SERV	799.75
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00384 SERV THRU 011424 2023 GEN SERV	521.50
07-424-3130	ENGINEERING SERVICES	03/15/24	Pay Check: 3497	24-00647 SERV THRU 021124 23 CHAPTER 94	649.75
07-424-3130	ENGINEERING SERVICES	03/15/24	Pay Check: 3497	24-00648 SERV THRU 021124 2024 GEN SERV	725.00
07-424-3140	LEGAL SERVICES	01/11/24	Pay Check: 3474	24-00076 LEGAL SERV DEC 2023 GEN AUTH	533.00
07-424-3140	LEGAL SERVICES	02/14/24	Pay Check: 3481	24-00378 LEGAL SERV JAN 2024 GEN AUTH	528.50
07-424-3140	LEGAL SERVICES	03/15/24	Pay Check: 3496	24-00635 LEGAL SERVICES 2/5-2/12/24 GEN	430.50
07-424-3700	CHESTER CREEK ENGINEERING	02/14/24	Pay Check: 3483	24-00383 SERV THRU 011424 CHESTER CREEK	1,755.50
07-424-3700	CHESTER CREEK ENGINEERING	03/15/24	Pay Check: 3497	24-00645 SERV THRU 021124 CHESTER CREEK	4,235.75
07-429-1505	RCSTP CAPITAL	01/05/24	Pay Check: 3472	24-00033 TYPE B C&G 3" COUOLER X M NPT	94.02
07-429-1505	RCSTP CAPITAL	01/10/24	Pay Check: 703	24-00056 VARIOUS PURCHASES- SEE NOTES	97.00
07-429-1505	RCSTP CAPITAL	01/17/24	Pay Check: 3475	24-00098 RC ST-RAN CONDUIT FOR TEMP PUM	9,530.65
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 ADAPTER 4" FNPT X 6" MCAM	429.92
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 ADAPTER 6" FRMALE CAM X MNPT	1,337.24
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 HOSE 6" X 50' CAMLOCK LAYFLAT	12,392.88
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 DELIVERY	645.12
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check: 3477	24-00210 SAND BAR (YELLOW) & BAGS	67.00
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check: 3478	24-00237 HOSE 6"X10' HD TANK TRUCK CAML	4,069.12
07-429-1505	RCSTP CAPITAL	02/06/24	Pay Check: 3479	24-00271 TROUGH AND CMU WALL ABLATION	6,860.00
07-429-1505	RCSTP CAPITAL	02/08/24	Pay Check: 704	24-00317 VARIOUS PURCHASES- SEE NOTES	91.92
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check: 3482	24-00379 RCSTP- UV REPLACEMENT PYMT 1	4,296.24
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check: 3483	24-00382 SERV THRU 011424 RCSTP GENERAT	302.75
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3484	24-00426 UV SYSTEM INSTALLATION-FILTER	1,427.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3484	24-00425 DISK FILTER#1 FAILURE, ALARM T	300.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3485	24-00436 PIPING FOR NEW MUFFIN MONSTER	3,980.40
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3487	24-00437 ELECTICAL PARTS-INSTL MUFFIN M	141.57
07-429-1505	RCSTP CAPITAL	02/27/24	Pay Check: 3489	24-00513 FLYGT NP-3171.095 6" SUBMERSIB	33,647.00
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check: 705	24-00520 VARIOUS PURCHASES- SEE NOTES	794.81
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check: 705	24-00520 VARIOUS PURCHASES- SEE NOTES	129.10
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3490	24-00539 PURCHASE TENT HEATERS & DELIVER	2,149.78
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3491	24-00530 (20) ROD 5/8 X 20' (#5)	356.00
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3491	24-00550 5.5 YD CONCRETE 4000 P5I	1,198.00
07-429-1505	RCSTP CAPITAL	03/06/24	Pay Check: 3492	24-00567 20X20 TENT RENTAL UV CONCRETE	800.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check: 3494	24-00606 DUMPSTER RENTAL- CONSTRUCTION	450.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check: 3495	24-00607 RCSTP-UV DISINFEC RPLCMT PYMT2	3,541.86
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3497	24-00646 SERV THRU 021124 RCSTP GENERAT	3,658.25
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3497	24-00644 SERV THRU 031124 RCSTP UV REPL	2,698.50
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3498	24-00659 (5) 5 GALLONS WHITE PAINT	118.95

Municipal Authority
YTD Revenues and Expenses thru 3/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3499	24-00625 RCSTP- UV DISINFECTION SYS REP	31,183.78
07-429-1505	RCSTP CAPITAL	03/21/24	Pay Check: 3500	24-00698 INSTALL EMER. SHOWER & EYEWASH	3,101.53
07-429-3700	CHESTER CREEK CAPITAL	02/14/24	Pay Check: 3480	24-00376 CHESTERCREEK INTERCEPTOR PYMT1	20,340.00
07-429-3700	CHESTER CREEK CAPITAL	02/14/24	Pay Check: 3480	24-00377 CHESTERCREEK INTERCEPTOR PYMT2	53,325.00
07-429-3700	CHESTER CREEK CAPITAL	02/27/24	Pay Check: 3488	24-00516 CHESTERCREEK INTERCEPTOR PYMT3	12,870.00
Total Expense					247,033.40
Net Operating					3,594.30

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

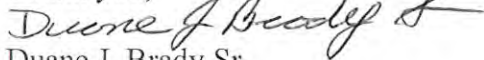
Date: April 3, 2024
To: Mark Miller
From: Duane J. Brady Sr., Township Zoning Officer
Re: 1338 Morstein Road SD
Preliminary/Final SD Plan.

Dear Municipal Authority,

The Township Staff has received an SD application for 1338 Morstein Road. Schiffer tract residential subdivision which is split between West Whiteland Township and East Goshen Township. The proposal is to create 16 lots with 3 lots to be in East Goshen Township (lots 6, 7, 8). The subdivision is in the R-2 Low Density Residential District and will be by right in accordance with Zoning section 240.9. The application has been reviewed for completeness and was accepted by Township Staff on February 19, 2024.

Please complete your review and provide comments.

Thank you,



Duane J. Brady Sr.
East Goshen Township
Zoning Officer





EAST GOSHEN TOWNSHIP
CHESTER COUNTY, PA

FEB 0 2 2024
FEB 0 5 2024

SUBDIVISION AND / OR LAND DEVELOPMENT APPLICATION

Date Filed: 2/2/2024

Application for (Circle one):

Subdivision Land Development Subdivision & Land Development

A. Application is hereby made by the undersigned for approval of a Subdivision and or Land Development Plan, more particularly described below.

1. Applicant's name: West Chester University Foundation

Address: 202 Carter Drive, West Chester, PA 19382 Phone: 610-430-4152

Fax: N/A Email: dcornelius@wcufoundation.org

2. Name and address of present owner (if other than 1. above)

Name: (Same as Applicant)

Address: (Same as Applicant) Phone: (Same as Applicant)

Fax: N/A Email: N/A

3. Location of plan: 1338 Morstein Road, West Chester, PA 19380

4. Proposed name of plan: Preliminary/Final Subdivision Plan of 1375 Old Phoenixville Pike & 1338 Morstein Road

5. County Tax Parcel No.: 53-1-2.1 Zoning District: R-2

6. Area of proposed plan (ac.): 4.89 (East Goshen portion) Number of lots: 3 (in East Goshen)

7. Area of open space (ac.): 0%

8. Type of structures to be constructed: Single-family detached dwellings

9. What provisions are to be made for water supply and sanitary sewer? Public water (Aqua);

Public sewer (via West Whiteland Township and West Goshen Township Wastewater Treatment Plant)

10. Linear feet of road to be constructed: 224' (in East Goshen Township)

11. Name of Engineer: Dave Gibbons, PE

Phone Number: 610-918-9002 Fax: N/A

Email address: dgibbons@knowhowell.com

EAST GOSHEN TOWNSHIP, CHESTER COUNTY PA
SUBDIVISION AND/OR LAND DEVELOPMENT APPLICATION

12. Name of Land Planner: N/A
Phone Number: N/A Fax: N/A
Email address: N/A

- B. I/We agree to reimburse the Township of East Goshen for such fees and expenses the Township may incur for the services of an Engineer(s) in investigations, tests, and review in relation to the Subdivision Plan.
- C. I/We agree to post financial security for the improvements depicted on the Subdivision and or land Development Plan pursuant to the Subdivision and Land Development Ordinance.
- D. I/We agree to reimburse the Township of East Goshen for all inspection fees at the actual cost to Township.

NOTICE

The Township requires an Occupancy Permit before any building can be occupied; no Occupancy Permit will be issued until final inspection and approved by the Zoning Officer and Building Inspector.

Deb Cornelius

Owner Signature

Deb Cornelius
Executive Director
West Chester University Foundation

Deb Cornelius

Applicant Signature

Deb Cornelius
Executive Director
West Chester University Foundation

Administrative Use

Fees received from applicant \$ _____ basic fee, plus \$ _____ per lot

For _____ lots = \$ _____.

Application and plan received by: _____ Date: _____
(Signature)

Application accepted as complete on: _____
(Date)

EAST GOSHEN TOWNSHIP, CHESTER COUNTY PA
SUBDIVISION AND/OR LAND DEVELOPMENT APPLICATION

SUBDIVISION AND/OR LAND DEVELOPMENT CHECKLIST

This checklist outlines the steps and items needed to insure completeness of the application and to insure the application follows the process and conforms to the timeframe outlined by the State of Pennsylvania and East Goshen Township. This checklist is broken into two parts, the Application Process and the Review Process. The application process must be completed in its entirety prior to the advancement into the Review Process.

* Review the formal Planning Commission review procedure on page five.

Application for (Circle all appropriate): Subdivision Land Development

Applicant Information:

Name of Applicant: West Chester University Foundation

Address: 202 Carter Drive, West Chester, PA 19382

Telephone Number: 610-430-4152 Fax: N/A

Email Address: N/A

Property Address: 1338 Morstein Road, West Chester, PA 19380

Property Information:

Owner's Name: West Chester University Foundation

Address: 1338 Morstein Road, West Chester, PA 19380

Tax Parcel Number: 53-1-2.1 Zoning District: R-2 Acreage: 4.89 acres

Description of proposed subdivision and or land Development:

Applicant plans to subdivide the parcel at UPI 53-1-2.1 into three lots. This is part of an overall subdivision and land development plant that includes 16 total lots with each lot to be improved with a single-family detached dwelling. The remaining 13 lots will be located in West Whiteland Township and will be subdivided from the parcel at UPI No. 41-6-88.1. All 16 lots will be accessed from a new road accessed from *Whiteland* Old Phoenixville Pike in West Goshen Township, with the new road ending in a cul-de-sac in the in the East Goshen Township portion of the subdivision.

Memorandum

East Goshen Township
1580 Paoli Pike
West Chester, PA 19380
Voice: 610-692-7171
Fax: 610-692-8950
E-mail: dbrady@eastgoshen.org

Date: 2-19-2024
To: Planning Commission
From: Duane J. Brady Sr., East Goshen Township Zoning Officer
Re: 1338 Morstein Road/Schiffer Tract Residential Subdivision
Preliminary/Final SD Plan/Application Filing Letter

Dear Commissioners,

The Township Staff has received an SD application for 1338 Morstein Road, Schiffer tract residential subdivision which is split between West Whiteland Township and East Goshen Township. The proposal is to create 16 lots with 3 lots to be in East Goshen Township (lots 6, 7, 8). The subdivision is in the R-2 Low Density Residential District and will be by right in accordance with Zoning section 240.9. The application has been reviewed for completeness and was accepted by Township Staff on February 19, 2024.

Background information:

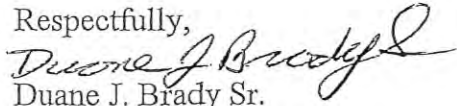
- The property is approximately 5 acres.
- The property is in the R-2 Low Density Residential District.
- The subdivision is split between West Whiteland Township and East Goshen Township.
- The subdivision is a total of 16 lots with 13 lots in West Whiteland Township and 3 lots in East Goshen Township.
- The start date for the project is February 19, 2024. (Day 1).
- The must act date for the Planning Commission is April 29, 2024 (Day 70).
- The must act date for the Board of Supervisors is May 19, 2024 (Day 90).

Zoning Information:

- The property is in the R-2 Low Density Residential District (240-9).
- Single family detached dwellings are a use permitted by right.
- The minimum lot area is 1 acre.
- Building setback line 150 feet.
- Street line 60 feet.
- The front yard is 45/60 feet, the side yard is 20 feet, and the rear yard is 50 feet.
- The minimum building height is 30 feet (3 stories).
- Total impervious cover is 35%.
- Total building cover is 25%.
- The zoning also notes that design and landscape controls in 240-27D shall apply to residential development in this district.

- The property is outside the flood area.
- The property has a pipeline located on it and does require a pipeline awareness study.

Respectfully,



Duane J. Brady Sr.

East Goshen Township

Zoning Officer (PA-CZO)



*Township of East Goshen, PA
Monday, February 19, 2024*

Chapter 240. Zoning

Article II. Residential Districts

§ 240-9. R-2 Low Density Residential District.

- A. Specific intent. In addition to the objectives stated in §§ 240-3 and 240-7, the R-2 District is intended to encourage low density residential development on lots of sufficient size to provide for on-lot sewage disposal and on-lot water supply.
- B. Uses permitted by right. The following principal uses are permitted by right in the R-2 District if the area and bulk regulations and all other applicable requirements of this chapter are satisfied:
- (1) Single-family detached dwelling.
 - (2) Agricultural uses in accordance with § 240-34, except for animal husbandry, which shall be permitted as a conditional use.
 - (3) A lawfully permitted dwelling unit used as a group home, provided that the requirements of § 240-38 for such use are met.
 - (4) Forestry in accordance with the standards of § 240-34.1.
[Added 10-29-2002 by Ord. No. 129-Q-02]
- C. Permitted conditional uses. The following principal uses may be permitted in the R-2 District when authorized by the Board of Supervisors in accordance with § 240-31:
- (1) Single-family cluster development in accordance with § 240-28.
 - (2) Fire station.
 - (3) Township park.
 - (4) Place of worship or religious institution, excluding hospitals, sanitariums, penal or corrective institutions.
 - (5) Public or private primary or secondary school.
 - (6) Golf course.
 - (7) Riding academy.
 - (8) Publicly owned recreation.
 - (9) Public utility facility.
 - (10) Private recreation facility.
 - (11) Single-family open space development in accordance with § 240-36.
 - (12) Private primary school and church or place of worship.
[Added 9-7-1999 by Ord. No. 129-F-99]

- D. Uses permitted by special exception: none.
- E. Accessory uses. The following accessory uses shall be permitted in the R-2 District in accordance with the provisions of § 240-32 and/or such other section listed after each use:
 - (1) Home occupation, which may include day care as an accessory use.
 - (2) Storage shed.
 - (3) Fence and wall.
 - (4) Garage.
 - (5) Recreational vehicle storage.
 - (6) Private greenhouse.
 - (7) Tennis court.
 - (8) Swimming pool.
 - (9) Horse barn.
 - (10) Solar energy systems.
 - (11) Signs. (See § 240-22.)
 - (12) Animal husbandry.
 - (13) Temporary structure or use.
 - (14) Home-related business.
 - (15) Seasonal sale of farm products. (See § 240-34B.)
 - (16) Apartment for care of a relative.
 - (17) No-impact home-based business as accessory to a residential dwelling.
[Added 10-21-2003 by Ord. No. 129-L-03]
- F. Design and landscaping controls. The applicable design and landscaping controls in § 240-27D shall apply to residential development in this district.
- G. Lot area, width, building coverage, height and yard regulations. The following requirements apply to each use in the R-2 District, subject to further applicable provisions of this chapter:
[Amended 6-1-1999 by Ord. No. 129-D-99]

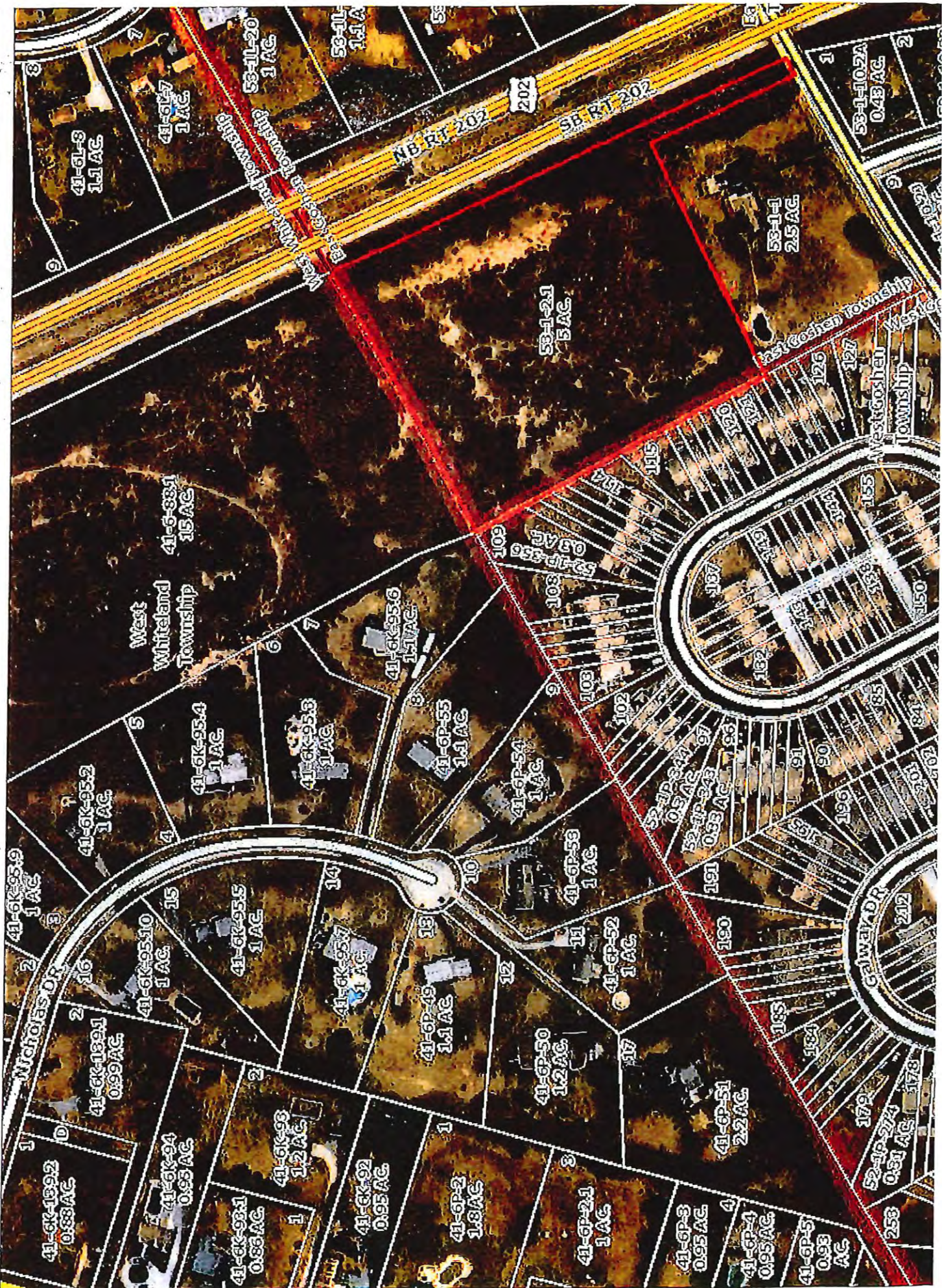
Requirements	R-2 Principal Uses			
	Place of Worship and Religious Institution	School	All Other Uses ¹	Private Recreation Facility
Minimum lot area	2 acres	10 acres	1 acre	5 acres
Minimum lot width				
At building setback line	200 feet	300 feet	150 feet	300 feet
At street line	100 feet	150 feet	60 feet	150 feet
Maximum lot coverage				

R-2 Principal Uses

Requirements	Place of Worship and Religious Institution	School	All Other Uses¹	Private Recreation Facility
By buildings	25%	25%	25%	15%
By total impervious cover	35%	35%	35%	35%
Maximum building height				
Stories	3	3	3	3
Feet	30 feet	30 feet	30 feet	30 feet
Minimum front yard	55 feet	65 feet	45 feet	50 feet
Average front yard*	70 feet	80 feet	60 feet	50 feet
Minimum side yard	30 feet each	40 feet each	20 feet each	50 feet
Minimum rear yard	65 feet	75 feet	50 feet	50 feet

*To obtain more flexibility in placing buildings in all residential subdivisions of two or more lots, an average building setback line of 60 feet and a minimum building setback of 45 feet shall be required.

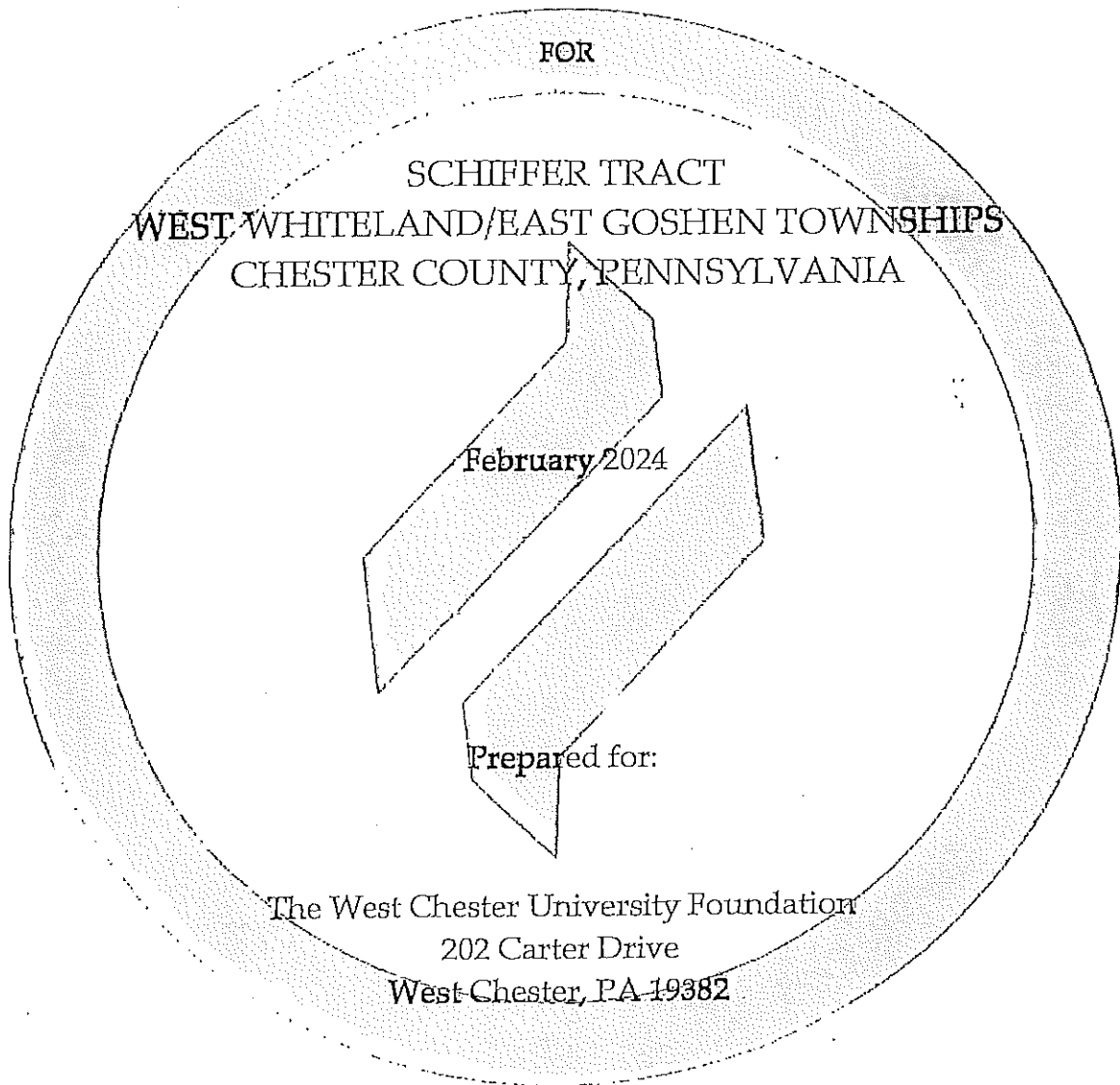
¹NOTE: See § 240-31 for conditional use regulations, § 240-34 for agricultural regulations and § 240-57 for special exception regulations. The most restrictive lot area, width, building coverage, height and yard regulations for each such use shall apply.



FEB 14 2024

SEWAGE FACILITIES PLANNING MODULE

DEP CODE # 1-15919-254-3



Prepared by:

HOWELL ENGINEERING

1250 Wrights Lane, West Chester, PA 19380

Phone: 610-918-9002 Fax: 610-918-9003



SENT VIA ELECTRONIC MAIL ONLY

December 18, 2023

Mr. Dave DiCecco
Howell Engineering
1250 Wrights Lane
West Chester, PA 19380

Re: Application for Planning Modules
Checklist Letter – Component 3
Schiffer Tract Residential Subdivision
DEP Code No. 1-15919-254-3, 1-15971-488-3
East Goshen Township, West Whiteland Township
Chester County

Dear Mr. DiCecco:

In response to your application mailer, this checklist letter outlines what is required to be submitted to the municipality and the Department of Environmental Protection (“DEP”) as a complete module packet for the proposed development. The project proposes a 16-lot residential subdivision that will be served by a connection to public sewer. The project is located at 1338 Morstein Road, in East Goshen Township, and 1375 Old Phoenixville Pike, in West Whiteland Township, Chester County.

Sewage Facilities Planning Module forms are available online at www.dep.pa.gov. At the top of the page, select Businesses, then Water. On the right-side of the page, select the following: Bureau of Clean Water; Wastewater Management; Act 537; and Sewage Facilities Planning. Select the appropriate forms from the center of the page.

Your project requires the following forms. Please enter the above-referenced DEP Code Number on the first page of each form.

Sewage Facilities Planning Module Transmittal Letter, Form 3850-FM-BCW0355

Sewage Facilities Planning Module Resolution, Form 3850-FM-BCW0356

Sewage Facilities Planning Module Component 3, Form 3800-FM-BPNPSM0353

- Instructions
- Form

Sewage Facilities Planning Module Component 4

- 4A-Municipal Planning Agency Review, Form 3850-FM-BCW0362A
- 4B-County Planning Agency Review, Form 3850-FM-BCW0362B
- 4C-County or Joint Health Department Review, Form 3850-FM-BCW0362C

Please submit the completed planning modules and supporting information to the municipality or municipalities in which the project is located. DEP must receive 3 copies of the completed planning

module. Please answer all questions within the planning module. Do not simply answer "N/A" or "Not Applicable." If you feel a question does not apply, explain all reasons to support that answer.

On March 31, 2023, the United States Fish & Wildlife Service ("USFWS") issued a final rule to reclassify the federal listing of the Northern Long-Eared Bat as an Endangered Species under the Endangered Species Act. To ensure your project considers potential impacts to this federally listed species, all PNDI receipts and clearance letters from USFWS, if applicable, must be dated after March 31, 2023.

Please refer to the Standard Operating Procedures ("SOP") that govern Act 537 sewage facilities planning module reviews. The SOPs can be found on the DEP website. Consistent with the SOP, DEP may disapprove an administratively incomplete planning module submission. Please use the checklist provided in this letter below to guide both you and the municipality in providing an administratively complete planning module submission to DEP for review.

A copy of this letter should be attached to the planning module when submitted through the municipality to DEP. This letter is to be used by the applicant (or the applicant's authorized representative) as a checklist and guide to completing the planning modules and does not supersede the rules and regulations found in Chapter 71. The municipality must submit a complete module package. (See end of letter for applicant and municipal certification statements.)

In all cases, address the immediate and long-range sewage disposal needs of the proposal and comply with 25 Pa. Code, Chapter 71, Subchapter C relating to New Land Development Plan Revisions.

If you have any questions concerning the information required, please contact me at 484.250.5188 or at laawalke@pa.gov.

Sincerely,

Laura Walker

Laura Walker
Environmental Trainee
Clean Water

cc: Chester County Health Department (via email)
Chester County Planning Commission (via email)
Chester County Conservation District (via email)
East Goshen Township (via email)
West Whiteland Township (via email)
West Chester University Foundation (via email)
East Goshen Township Municipal Authority (via email)
Downingtown Area Regional Authority (via email)
Planning Section
Re 30

STORMWATER MANAGEMENT REPORT

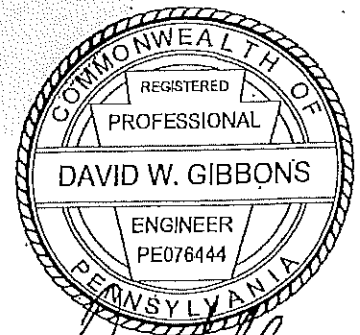
FOR

1375 Old Phoenixville Pike
Subdivision Plan
WEST WHITELAND TOWNSHIP &
EAST GOSHEN TOWNSHIP
CHESTER COUNTY, PENNSYLVANIA

January 18, 2024

Prepared for:

West Chester University Foundation
202 Carter Drive
West Chester, PA 19382



David W. Gibbons

Prepared by:

HOWELL ENGINEERING

1250 Wrights Lane, West Chester, PA 19380
Phone: 610-918-9002 Fax: 610-918-9003

FEB 05 2024

PIPELINE AWARENESS STUDY

FOR

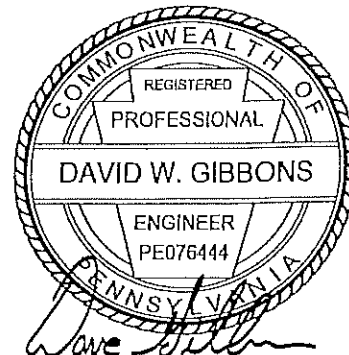
1338 Morstein Road &
1375 Old Phoenixville Pike
EAST GOSHEN TOWNSHIP
CHESTER COUNTY, PENNSYLVANIA

JOB # 4807

January 22, 2024

Prepared for:

WEST CHESTER UNIVERSITY FOUNDATION
202 CARTER DRIVE
WEST CHESTER, PENNSYLVANIA 19382



Prepared by:

HOWELL ENGINEERING

1250 Wrights Lane, West Chester, PA 19380
Phone: 610-918-9002 Fax: 610-918-9003

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II. TRACT DESCRIPTION	1
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V. MITIGATION MEASURES	2
VI. ALTERNATIVES	2
VII. CONCLUSION	2

APPENDICES

- A. Site Location Map
- B. Site Plan
- C. Energy Transfer (Sunoco) General Guidelines For Third-Party Construction Or
Maintenance Activities

I. INTRODUCTION

Howell Engineering has prepared this Pipeline Awareness Study to summarize the proposed land development and its associated effects to the pipeline located at 1338 Morstein Road in East Goshen Township, Chester County, PA (and part of the project also located at 1375 Old Phoenixville Pike in West Whiteland Township). The submission of this report is in accordance with §205-40-1 of the East Goshen Township Zoning Ordinance. The proposed project consists of a residential single-family subdivision creating 3 lots within East Goshen and 13 lots in West Whiteland with associated cul-de-sac road with asphalt pavement and curb, landscaping buffers, utilities, and stormwater management.

II. TRACT DESCRIPTION

The Equitable Owner and Applicant of the proposed development is the West Chester University Foundation. The parcel UPI numbers at this location are 41-6-88.1 (West Whiteland) and 53-1-2.1 (East Goshen). Parcel 41-6-88.1 is 15 acres, parcel 53-1-2.1 is 5 acres, making a total of 20 acres being analyzed and configured for potential site development. Both parcels are currently undeveloped.

A Subdivision and Land Development Plan that details the proposed improvements will be included in this submission. The proposed dwellings and other impervious surfaces/improvements are shown. Please see Appendix A for the Site Location Map. Please see Appendix B for the Site Plan with gas pipeline easement highlighted.

III. PHYSICAL RESOURCES

A. TOPOGRAPHICAL CHARACTERISTICS

According to the United States Geological Survey (USGS) and survey from Howell Surveying, the proposed site is topographically diverse with high points towards the northwest and southwest parts of the property. Surface runoff would generally flow from the north and south ends of the site towards the middle, and then east towards the property line along State Route 202, where it then flows under Route 202 through an existing 36" culvert.

B. WATERCOURSES

Based on the National Wetlands Inventory and eMapPA, there are no surface waters or wetlands associated with the proposed project property.

C. VEGETATION AND LANDSCAPING

The site is currently covered in dense vegetation and, after construction is completed, will be landscaped in accordance with §240-27 of the East Goshen Township Zoning Ordinance and §281-33 of the West Whiteland Township Zoning Ordinance.

IV. PIPELINE DETAILS

There is one pipeline crossing the proposed site, located towards the southern end of the development in East Goshen Township. Owned and operated by Sunoco, Company representatives have indicated that the 8" pipe does not currently have any liquid or natural gas flowing through it, however it may become active again in the future. The pipeline is generally centered within a 30 feet wide easement which crosses the parcel in a Southwest to Northeast direction.

V. MITIGATION MEASURES

While our office expects there are no anticipated harmful short- or long-term impacts from the pipeline on site with relationship to the proposed improvements, the project and associated earth disturbance near the gas pipeline and within the easement will be submitted to the Gas Pipeline Encroachment Group who will review and approve the proposed work to ensure that all precautions and regulations are taken into account both during and after the construction process. Driveways with asphalt paving will cross the easement perpendicularly with proposed utilities installed within this same area to limit earth disturbance over the pipeline. Adequate vertical separation will be provided as required by the pipeline operator, to keep it protected from all construction activity and placement of utilities. Residential dwellings and other structures will not be constructed within the gas pipeline easement. All rules and regulations will be followed pursuant to Sunoco and local regulations to ensure the safety and welfare of the home occupants and those living within the vicinity will not be compromised. See Appendix C for the General Guidelines for Third-Party Construction or Maintenance Activities. As stated above, the pipeline operator will review the proposed subdivision and land development plans and will need to approve this work prior to any construction occurring on site. Typical gas line encroachment approvals include the following conditions:

- The builder shall submit final plans of development to the Gas Company's Encroachment Department and shall continue to comply with encroachment guidelines.
- No removal of cover shall occur within the easement, including directly over the pipeline.
- A PA One Call shall be placed prior to any construction activity.
- A Gas Company representative shall be on site during any construction activity.

Additionally, there will be no unsatisfactory conditions relating to future air and water quality and noise levels, vibration, toxic materials, electrical interference, odor, glare and heat, fire and explosion, smoke, dust, fumes, vapors and gases and/or radioactive materials.

VI. ALTERNATIVES

The project has been designed in an optimal fashion to minimize potential adverse impacts and to meet, if not succeed, the minimum requirements. Buildings have been configured in such a way to avoid construction conflict with the pipeline, keeping it untouched and undisturbed to the maximum extent possible. The only impervious features affecting the easement will be the driveways which have been designed to cross perpendicularly. The proposed roadway has been reduced and adjusted to not cross into the existing gas easement. Stormwater management systems and surface runoff will avoid direct conflict with the pipeline to provide further protection. Every consideration within the Gas Company's guidelines has been accounted for and applied in accordance with regulations and requirements.

VII. CONCLUSION

Howell Engineering has completed a Pipeline Awareness Study for the proposed construction located at 1375 Old Phoenixville Pike in West Whiteland Township, Chester County, PA and 1338 Morstein Road in East Goshen Township, Chester County, PA. The project proposes minimal pipeline impacts and several measures to minimize any potential risks.

APPENDIX A
SITE LOCATION MAP

CHARLESTOWN

WEST PIKELAND

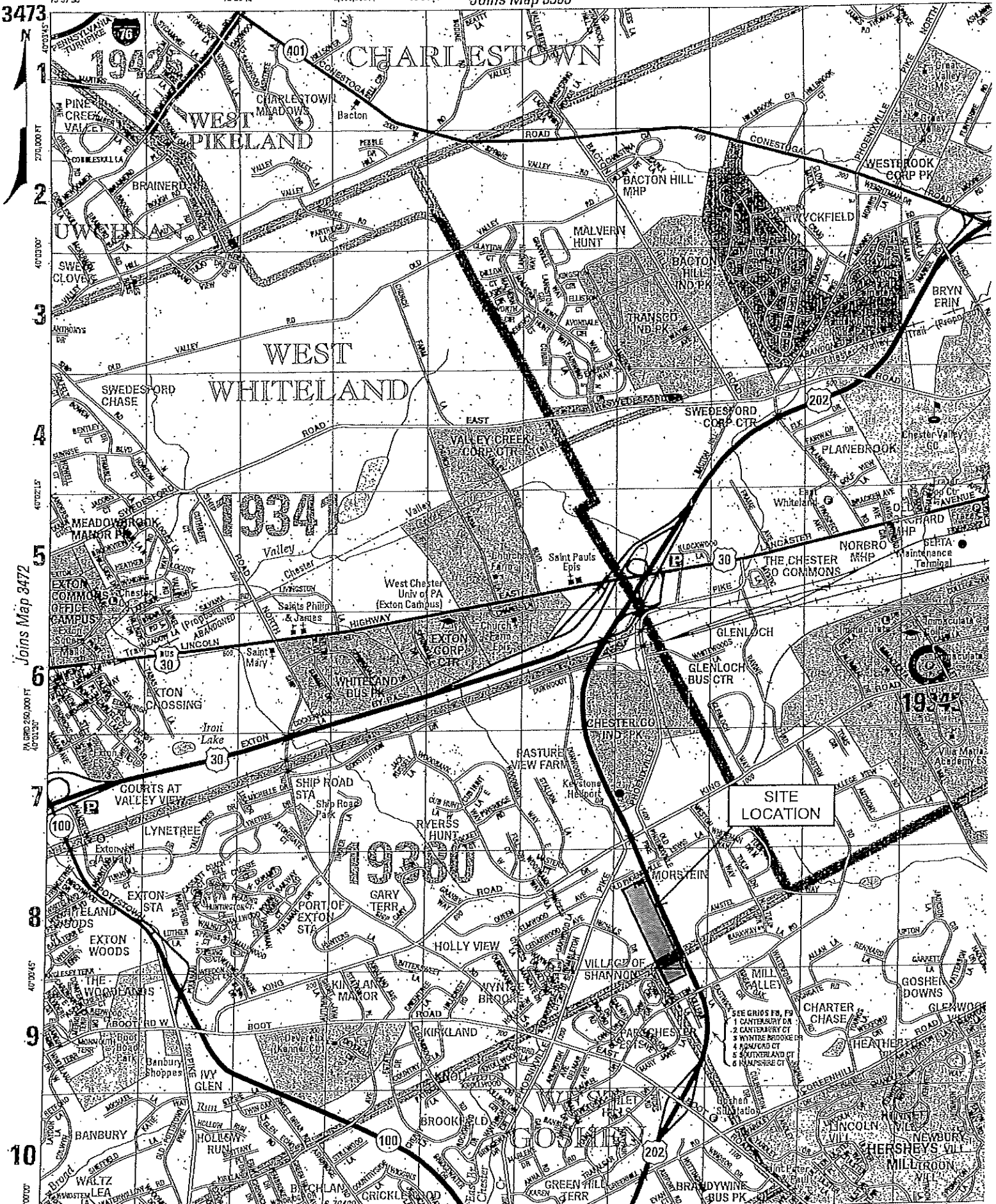
WEST WHITELAND

1934

1930

SITE LOCATION

1934

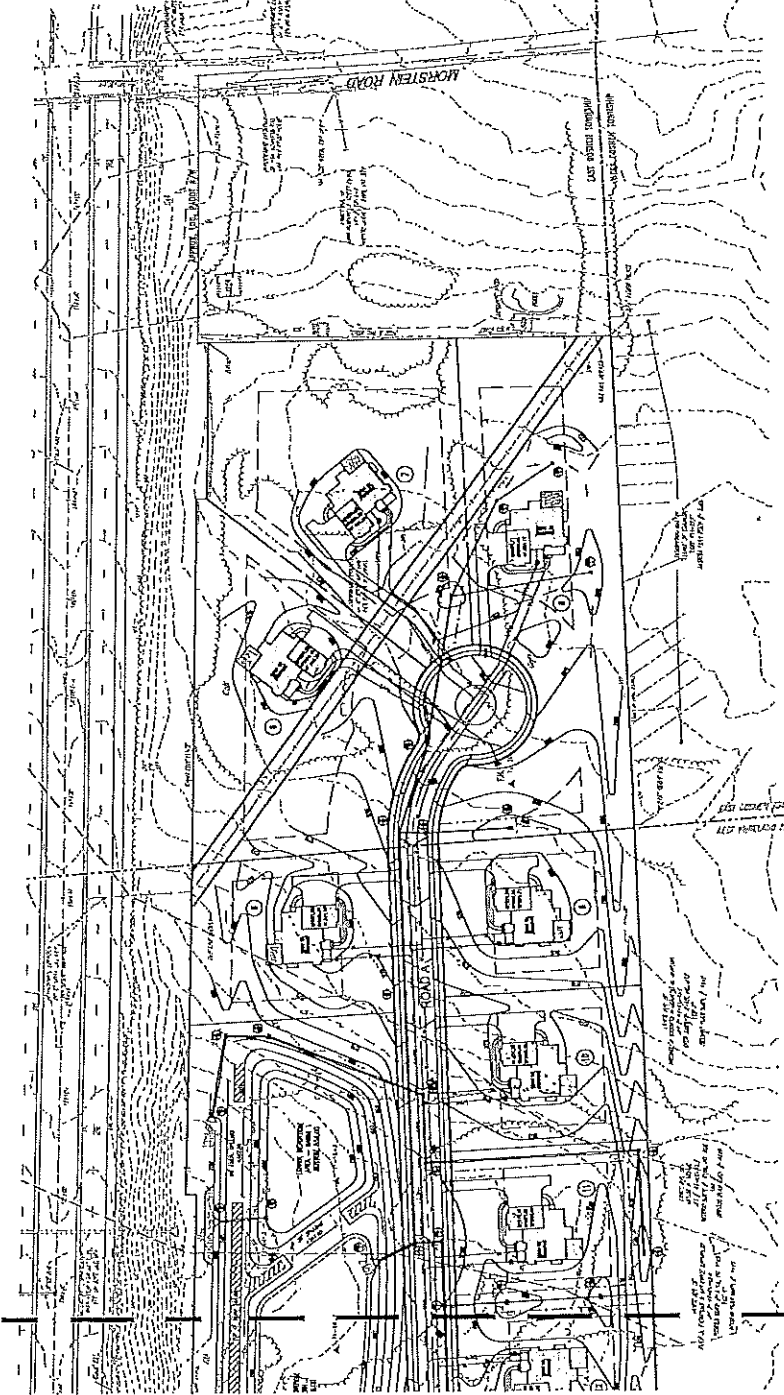
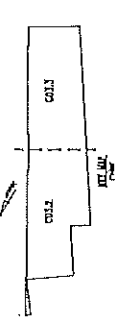


APPENDIX B
SITE PLAN

NO.	DATE	DESCRIPTION

PAULSON/HILL
GRADING & UTILITIES PLAN
SHEET NO. 4807
PROJECT NO. 4807
DATE 10/15/03
SCALE: 1" = 40'

NO.	DATE	DESCRIPTION



GRADING & UTILITIES PLAN
SCALE: 1" = 40'



MAJOR LINES - SEE CO14

SYMBOL	DESCRIPTION
(Symbol)	PROPOSED GRADE
(Symbol)	EXISTING GRADE
(Symbol)	PROPOSED DRIVEWAY
(Symbol)	PROPOSED SIDEWALK
(Symbol)	PROPOSED PAVEMENT
(Symbol)	PROPOSED ASPHALT
(Symbol)	PROPOSED CONCRETE
(Symbol)	PROPOSED GRAVEL
(Symbol)	PROPOSED SAND
(Symbol)	PROPOSED DIRT
(Symbol)	PROPOSED ROCK
(Symbol)	PROPOSED CURB
(Symbol)	PROPOSED GUTTER
(Symbol)	PROPOSED DRAINAGE
(Symbol)	PROPOSED UTILITY
(Symbol)	PROPOSED WATER
(Symbol)	PROPOSED SEWER
(Symbol)	PROPOSED GAS
(Symbol)	PROPOSED ELECTRIC
(Symbol)	PROPOSED TELEPHONE
(Symbol)	PROPOSED CABLE
(Symbol)	PROPOSED FIBER
(Symbol)	PROPOSED RAIL
(Symbol)	PROPOSED HIGHWAY
(Symbol)	PROPOSED AIRPORT
(Symbol)	PROPOSED CANAL
(Symbol)	PROPOSED DAM
(Symbol)	PROPOSED BRIDGE
(Symbol)	PROPOSED TUNNEL
(Symbol)	PROPOSED STRUCTURE
(Symbol)	PROPOSED FOUNDATION
(Symbol)	PROPOSED RETAINING WALL
(Symbol)	PROPOSED EROSION CONTROL
(Symbol)	PROPOSED LANDSCAPE
(Symbol)	PROPOSED PLANTING
(Symbol)	PROPOSED TREES
(Symbol)	PROPOSED SHRUBS
(Symbol)	PROPOSED GRASS
(Symbol)	PROPOSED SOIL
(Symbol)	PROPOSED WATER
(Symbol)	PROPOSED SEWER
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(Symbol)	PROPOSED PLANTING
(Symbol)	PROPOSED TREES
(Symbol)	PROPOSED SHRUBS
(Symbol)	PROPOSED GRASS
(Symbol)	PROPOSED SOIL

APPENDIX C
ENERGY TRANSFER (SUNOCO) GENERAL GUIDELINES FOR THIRD PARTY
CONSTRUCTION OR MAINTENANCE ACTIVITIES

GENERAL GUIDELINES FOR THIRD-PARTY CONSTRUCTION OR MAINTENANCE ACTIVITIES

Energy Transfer and its affiliates and related companies ("ET") are dedicated to the highest safety standards in the continued operation of their pipelines and facilities. Of utmost importance to ET is the continued safety of the public and its pipeline and facilities during construction and other activities on, across, over or under its right-of-way. ET is therefore pleased to provide these general guidelines ("Guidelines") for third-party construction, blasting, installation or modification of pipelines, underground utilities, roads, streets, driveways, ditches, drainage canals or any other type of temporary or permanent structure or obstruction or any other encroachment on, over, across or paralleling ET's right-of-way (hereinafter referred to as "Crossing" or "Crossings").

These Guidelines are intended to be consistent with State Code and are further based upon industry standards and practice. These Guidelines are merely guidelines and upon notification to ET of a proposed Crossing, as required by State Code, each proposed Crossing and its corresponding finalized plans and profile drawings will be evaluated by ET and the third-party requesting such Crossing, pending final approval.

1. Notification

- a. The party requesting such Crossing shall use its best efforts to provide ET with its finalized plans and profile drawings at least thirty days (30) days prior to any related construction or maintenance activity. The Pipeline Facility shall include, but is not limited to, rights-of-way, fee properties, easements, pipelines, meter and regulator buildings and valve sites ("ET Pipeline Facility" or "Facilities"). No equipment shall enter onto ET's Pipeline Facility unless an ET representative is on location.

- b. No excavation shall occur in the vicinity of ET's Pipeline Facilities until:

- 1) In accordance with the State approved Notification Centers, ET shall be notified at least 48 hours in advance of any construction or maintenance activity. You must contact the State approved Notification Center at 811. Before commencing any Crossing at or near ET's Pipeline Facility you must also contact ET's Field Representative(s) listed below;

Patty Bingaman: 215-669-3232 - Pipeliner

John Ruskay: 610-670-3286 - Engineer

- 2) An ET representative will be on site to monitor the excavation activities.

2. Drawings for Proposed Construction or Maintenance

Any proposed construction or maintenance activity in the vicinity of ET's Pipeline Facilities will require submittal of final plans and profile drawings for prior review and approval by ET. One (1) copy of these drawings must be submitted to ET's Encroachment Department via e-mail encroachments@energytransfer.com. All plans and drawings must show in detail, all of ET's

Pipeline Facilities, its corresponding right-of-way and any other landmarks that will assist ET in determining the location of the proposed Crossing and the effects of the proposed construction or maintenance activity on ET's Pipeline Facilities.

3. **Encroachment Agreement**

In certain instances, due to the type of Crossing required and the probable impact upon ET's Facilities, an encroachment agreement may be necessary for proposed construction or maintenance within ET's Pipeline Facility. ET shall be responsible for preparing such encroachment agreement and shall bear the cost and expense in such preparation. Such encroachment agreement shall outline the responsibilities, conditions and liabilities of the parties and must be fully executed and in ET's possession prior to commencing any construction activity.

4. **Insurance Coverage**

In certain instances, due to the type of Crossing required and the probable impact upon ET's Facilities, ET may require evidence of comprehensive general liability insurance coverage prior to any construction or maintenance activity in the vicinity of its Facilities. In the event ET requires evidence of comprehensive general liability insurance, ET and/or its affiliates and related companies, whichever the case may be, shall be named as additional insured.

5. **Crossing Pipelines with Equipment**

To protect ET's pipelines or related Facilities from additional external loading, ET may perform a field survey and an engineering study to determine the effects of any proposed activity over its pipelines or related Facilities. Mats, timber, air-bridges, or other protective materials deemed necessary and appropriate by ET may be required and placed over ET's pipelines or related Facilities for the duration of any loading. When utilizing an air-bridge refer to Energy Transfer's approved design. Air-bridge design provided upon request.

6. **Excavation, Cuts, or Fill near ET's Pipeline Facility**

- a. An ET representative will be on location prior to and during construction activity within ET's Pipeline Facility.
- b. No heavy equipment of any type will be permitted to work directly over ET's pipelines or related Facilities.
- c. All excavation within eighteen inches (18") of any pipeline will be performed by hand. At the discretion of ET's onsite representative, excavators may be required to hand dig beginning at a distance greater than eighteen inches (18").
- d. All excavations within ET's Pipeline Facility shall be backfilled with a minimum of eight inches (8") lifts of backfill material, where pipeline padding is reduced ensure backfill is clean and free from rock, trash, concrete, rubbish, or hazardous material. Soil backfill must be compacted to the satisfaction of the ET onsite inspector so that settling does not occur.
- e. No grade cuts will be permitted within ET's Pipeline Facility. ET's representative will be on location. An engineering study may be performed to ensure that the lateral stability of ET's pipelines or related Facilities are not affected.

- f. No fill shall be permitted within ET's Pipeline Facility. No more than twenty-four inches (24") of earthen fill material (pipeline cover not to exceed seven feet (7')), free from any rocks, trash, concrete, rubbish, rebar, hazardous materials, etc., will be permitted within ET's Pipeline Facility.
- g. Earthen cover over ET's pipelines shall be thirty-six inches (36") or no less than what was originally there prior to any construction. In the event that ET determines that a lesser cover will not increase the risk to the public or increase the risk of a break, leak, rupture or other damage to ET's pipelines or related Facilities.
- h. No trash or debris shall be placed in any excavation or left in or on ET's Pipeline Facility.
- i. The creation of storm water outfalls or other water management controls which would make the pipeline right-of-way more susceptible to erosion are not allowed.

7. **Aboveground Appurtenances, Structures and Obstructions**

- a. No aboveground appurtenances, structures, or obstructions of a temporary or permanent nature shall be located within ET's Pipeline Facility that, in any way, interfere with operating, maintaining, accessing, inspecting, repairing, modifying, replacing or relocating such Facilities. The appurtenances, structures and obstructions include, but are not limited to the following: buildings, structures, signage, utility poles, steel towers, guy wires, other structures supporting aerial lines, satellite dishes, manholes, catch basins, septic systems, utility pedestals, transformers, fire hydrant, large spoils of earthen materials, decks, pools, boats, RV's, trailers and storage of hazardous or non-hazardous materials.
- b. No foreign towers (Wind Turbine and Communication Towers) are permitted within 1500 feet (1500') of ET's Pipeline Facilities. Refer any requests to the Right-of-Way Representative/Encroachments Group.

8. **Proposed Pipe and Utility Lines**

a. General Guidelines:

- 1. For the safety of the public and to lessen the risk of a break, leak, rupture or other damage to ET's Pipeline Facility and in furtherance of the state code, ET's Pipeline Facility shall be positively located by ET before any Crossings are constructed or installed near ET's Pipeline Facility.
- 2. Plan and profile drawings are required for all foreign utility Crossings.
- 3. For open trench Crossings, ET requires a minimum clearance of twenty-four inches (24") be maintained between the bottom of ET's pipeline or related Facilities and any foreign line or facilities.
- 4. For conventional and horizontal directionally drilled (HDD) bore Crossings, ET requires a minimum clearance of thirty-six inches (36") below ET's pipeline/facilities.
- 5. For horizontal directionally drilled (HDD) bore Crossings that are large diameter, twelve inches (12") or greater, a minimum of sixty inches (60") of clearance below ET's Pipeline Facilities and across the entire width of ET's right-of-way is required.

6. Excavate ET Facilities at the point of the proposed Crossing on the approach side to verify the auger head, boring and installation process will not damage ET's Pipeline Facilities.
 7. All foreign lines shall cross ET's Pipeline Facility at ninety degrees (90°) or at an angle of not less than forty-five degrees (45°), unless otherwise approved by ET. Longitudinal occupancy of ET's Pipeline Facility will not be permitted.
 8. Buried utility lines must be identified with permanent aboveground markers where lines enter and exit ET's right-of-way. Installation and maintenance of the markers shall be the responsibility of the foreign line owner.
 9. No manholes, valves or other appurtenances will be permitted within ET's Pipeline Facility.
 10. No vertical or horizontal bends allowed within ET's Pipeline Facility.
 11. ET's Pipeline Facility is cathodically protected. All other cathodically protected facilities that enter, or cross ET's Pipeline Facility must have test leads installed. Any inquiries for cooperative testing should be directed to the attention of ET's Field Representative on location. Any utility Crossings that may be negatively affected by ET cathodic protection will need to be designed accordingly (i.e. coated, cased, etc.)
 12. ET may require excavation of its Facilities to perform corrosion related tasks before and during foreign line Crossings as required.
 13. All underground utilities (other than residential telephone, cable TV and 24-volt DC power lines) may require plastic identification tape installed no closer than eighteen inches (18") above the line.
- b. Water or Forced Sewer Lines
1. All water and sewer lines shall be either (1) ductile iron or steel casing (coated to protect it from ET's cathodic protection) or (2) steel encased in plastic schedule 80 PVC for a minimum of 5-feet on either side of any ET's pipelines or related Facilities or (3) standard PVC pipe.
 2. Forced sewer lines shall have no piping connections located within 5-feet of any ET's pipelines or related Facilities or placed within ET's pipeline easement.

c. Communication, Power or Combustible Material Lines

1. When open trench Crossing with underground fiber optic cables, telephone and television cables (other than residential telephone and cable TV) crossing under ET's Pipeline Facility shall be installed in rigid non-metallic conduit with bags of concrete-mix placed directly above and below the conduit across ET's right-of-way or similar company approved method. Place warning burial tape the width of ET's right-of-way at least 18 inches (18") directly above communication cables. Bags of concrete-mix and burial tape are not required when installing via HDD or conventional bore.
2. When open trench Crossing with underground electric cables except 24-volt DC power lines (including single residential service drops) crossing under ET's facilities shall be installed in nonmetallic conduit with bags of concrete-mix placed directly above and below the conduit across ET's right-of-way or similar company approved method. Place red warning burial tape the width of ET's right-of-way at least 18 inches directly above the cable. A minimum of thirty-six inches (36") is required if over 600 volts.
3. When underground electric cable over 10 kV is crossing ET Facilities it shall be a shielded cable installed within ridged non-metallic casing. Bags of concrete-mix or a similar ET approved method, must be placed directly above and below the casing across the width of ET's right-of-way. Place red warning burial tape the width of ET's right-of-way at least 18 inches directly above the cable. ET requires a minimum clearance of sixty inches (60") below ET's Pipeline Facilities. Bags of concrete-mix and burial tape are not required when installing via HDD or conventional bore.
4. Overhead and underground crossings exceeding 160 kV and any power lines that will be constructed parallel to and outside of ET's right-of-way within 300 feet of ET's Pipeline Facilities, are not allowed by ET.
5. All overhead power/communication lines must cross ET Facilities with a minimum vertical overhead clearance of twenty-five feet (25') to grade at full load and maximum temperature.
6. ET recommends that all underground residential telephone, cable TV and 24-volt DC power lines be encased in plastic conduit for the full width of the right-of-way.

ci. Exclusive Easement Construction

1. When constructing a directional drill across ET's easement a minimum separation of ten (10) feet must be maintained between the outside diameter of the bottom of ET's pipeline and the top of any of your facilities within ET's exclusive easement area.
2. When constructing a conventional bore across ET's easement a minimum separation of three (3) feet must be maintained between the outside diameter of the bottom of ET's pipeline and the top of any of your facilities within ET's exclusive easement area.

9. **Proposed Roads, Streets, Driveways, Access Ways and Parking Lots**

- a. Load stress will be calculated by ET to determine if any protection of the pipeline is required for roadways, streets, driveways, access ways, etc., planned to cross ET's Pipeline Facility. In the event it is determined by ET that the roadways, streets, driveways, access ways, etc., will increase a risk to the public or increase a risk of a break, leak, rupture or other damage to ET's Pipeline Facility, ET may require, at the sole cost and expense of the party requesting such Crossing, the installation of protective material or pipeline adjustment as may be deemed necessary by ET to protect the public or ET's Pipeline Facility.
- b. The preferred minimum earth cover over ET's Pipeline Facility is forty-eight inches (48") at all roadways, streets, driveways, access ways, etc., including adjacent ditch lines. In the event that ET determines that a lesser cover will not increase a risk to the public or increase a risk of a break, leak, rupture or other damage to the pipeline or related Facilities, ET may allow a lesser earth cover, in a minimum amount as determined solely within the discretion of ET. In the event the required amount of cover is not obtainable as reflected in finalized plan and profile drawings, ET may require the installation of protective material at no expense to ET. Cover shall be measured from the top of ET's pipeline to the surface of the road.
- c. Roads and streets crossing over ET's Pipeline Facility shall cross at an angle of not less than forty-five degrees (45°), or as near as possible thereto. Crossings should be over straight pipe and at locations free of any crossovers. Longitudinal occupancy of the right-of-way will not be permitted.
- d. No parking areas or the like will be allowed on, over or across ET's Pipeline Facilities.
- e. Permanent pipeline marker(s), provided by ET, will be installed at all road Crossings.

10. **Disposal Systems**

No aerobic septic systems, septic tanks, liquid disposal systems, or hazardous waste disposal systems will be allowed on ET's Pipeline Facility or within twenty-five (25) feet of ET's Pipeline Facility. This will include, but is not limited to, affluent from sewage disposal systems, the discharge of any hydrocarbon substance, the discharge or disposal of any regulated waste, or any other discharge that may prove damaging or corrosive to ET's Pipeline Facility.

11. **Impoundment of Water**

- a. In order to provide for the adequate maintenance and operation of ET's Pipeline Facility, the impoundment of water on ET's Pipeline Facility will not be allowed.

- b. Temporary soil erosion and sediment control devices and storm water detention basins/traps will not be permitted on ET's Pipeline Facility.

12. **Blasting & Seismic Activity**

- a. To the extent it impacts the lateral stability or otherwise endangers or interferes with the efficiency, safety, or convenient operation of ET's Pipeline Facility, no explosive detonations will be permitted within 300-feet of ET's Pipeline Facility without: (1) prior blast plan impact analysis and written approval from ET and (2) ET's representative on site during blasting. To determine if the detonation stresses will be detrimental to the safety of ET's Pipeline Facility, information required to complete ET's "Blasting Data Sheet" must be submitted to ET for evaluation and approval no less than 30 days prior to the proposed date of blasting activity. The contractor performing the blasting will be required to verify by signature the proposed blasting plan.
- b. No "Non-Explosive" seismic testing or construction equipment with steady state vibrator, intermittent vibrator, or thumper sources shall be conducted within 150 feet of ET's Pipeline Facility without prior written approval.

13. **Landscaping & Irrigation Systems**

- a. Landscaping shall not be permitted within ET's Pipeline Facility.
- b. Irrigation heads and valves shall not be permitted within ET's Pipeline Facility.
- c. Irrigation systems shall not be directly installed longitudinally over ET's Pipeline Facility and shall not be buried deeper than 12-inches, regardless of location, from the surface of the ground within ET's Pipeline Facility.

14. **Pipeline Markers**

The party request such Crossing will ensure that all temporary and permanent pipeline markers installed by ET are always protected and maintained during construction or Crossing related activity. Any permanent markers damaged or removed will be replaced by ET at the sole expense of the party requesting such Crossing. No work will be allowed to commence until, in the opinion of ET, sufficient pipeline markers are in place. Unauthorized damage or removal of pipeline markers is punishable by Federal law.

15. **Right of Ingress and Egress**

- a. The party requesting such Crossing shall have the right to install fences on, over and across the Facilities, provided, however, that ET shall have the unrestricted right of ingress and egress to its Facilities at all times. ET prohibits any fencing which obstructs access or line of sight for patrol/inspection or identification markers.
- b. ET, at its sole option and discretion, may require the party requesting such Crossing to install, at its sole cost and expense and for ET's benefit, a walk gate at least three (3) feet in width for residential lots or gate at least twelve (12) feet in width for rural areas at each

fence Crossing. ET shall provide a lock for such gate(s). Said gate(s) shall be installed as to provide ET with ingress and egress access to its pipeline or related facilities and to minimize vehicular and equipment travel over ET's pipeline or Facilities.

- c. The party requesting such Crossing shall be responsible for keeping the enclosed portion of ET's pipeline or related Facilities free of any debris or trash.
- d. ET's pipeline or related Facilities shall be positively located by ET before any fences are constructed or installed near ET's Pipeline Facilities. Post hole excavations for fencing placed near ET's Pipeline Facilities shall not be greater than a depth of eighteen inches (18") below the undisturbed grade level nor closer than five feet (5') horizontally from ET's pipeline or related Facilities.

16. **Statement Regarding Existing Rights**

NOTHING CONTAINED HEREIN SHALL BE CONSTRUED TO CONVEY, WAIVE, OR SUBORDINATE ANY OF ET'S EXISTING RIGHTS WHATSOEVER. SHOULD A CONFLICT EXIST WITH THE LANGUAGE CONTAINED IN ANY ET ENCROACHMENT AGREEMENT, EASEMENT, OR PETITION IN CONDEMNATION AND THESE GUIDELINES, ET'S ENCROACHMENT AGREEMENT, EASEMENT, OR PETITION IN CONDEMNATION SHALL CONTROL AND BE DECISIVE OF THE ISSUE.

17. **Statements Regarding Guidelines for Construction and Maintenance**

Certain construction and maintenance activities may be reviewed and approved by ET at one point in time, but not immediately installed or performed. Therefore, all construction and maintenance activities are subject to the Guidelines in affect at the time the work takes place. In addition, the guidelines described in this document represent those industry standards that ET believes meet the minimum acceptable standards regarding third-party construction and maintenance activities in the vicinity of ET's Pipeline Facility. Therefore, after review of the final plan and profile drawings, ET may, in the event that ET determines the construction and maintenance activities will increase a risk to the public or increase a risk of a break, leak, rupture or other damage to ET's Pipeline Facility, require fortifications in furtherance of state codes. The party requesting such Crossing agrees to alter, modify or halt any construction activity, which in the sole opinion of ET's, will increase the risk to the public or increase the risk of a break, leak, rupture or other damage to ET's Pipeline Facility.

All written correspondences and your final design plans are to be addressed to:

Energy Transfer Company
encroachments@energytransfer.com
Attention: Encroachment Department

[END]

Memo

To: Municipal Authority
From: Dave Ware, Finance Director
Re: 10 Year Sewer Rate and Sewer Funds Balance Analysis
Date: April 5, 2024

I have a draft 10-year analysis of our projected total sewer fund balance, with and without a rate increase. The purpose of this analysis is to review East Goshen's funding in the interest of maintaining long-term control of our infrastructure, rates, and service.

An updated Inventory and Depreciation List for Ridley Creek Sanitary Treatment Plant (including Pump Stations and Collection System) indicates that East Goshen Township will need a minimum of \$3.3M to refurbish and/or replace capital assets currently in operation as they near the end of their life cycle. The projected Sewer Capital Reserve Fund balance as of December 31, 2024 is \$1.8M. That leaves a \$1.5M funding gap for the existing system. In addition, nearly 100 miles of sewer pipe needs to be televised, repaired and/or relined. Estimating \$300K/year for the plant (5-year recovery of \$1.5M) and additional \$250K/year for pipe are the only major capital expenditures included in this forecast... NOT major projects such as the Hershey Mill Sewer Estate Rehabilitation Project that was recently completed which alone cost \$1.1M.

My annual projection assumptions include the following:

- Assume Sewer Reserve Funds are included with Sewer Operating Funds for simplicity in 2025
- Interest income of 2.5%
- 5% labor, construction, and materials increase
- \$20K West Goshen Miscellaneous Capital contribution in addition to O&M

Although 5 scenarios were run, I've condensed the scope which reflects the difference between no rate increases and a \$40 per quarter increase assumed beginning full year 2025 (for the sake of simplicity).

This analysis does not distinguish between variable rate increase and fixed rate increase, just an average total quarterly rate increase across 6,629 total customers, generating an additional \$1.060M income each year. That analysis would follow once the total need is determined and agreed upon.

Included attachments:

- 10-year forecast without rate increases
- 10-year forecast with \$40/quarter increase effective 2025 full year
- Graph of 10-year ending total sewer fund balances comparison
 - Zero increase
 - \$30/quarter increase
 - \$40/quarter increase
- Graph of current quarterly sewer rates of neighboring municipalities and boroughs
 - Includes current EGT estimated SFD quarterly rate, what the EGT rate would be without ARPA funds received and directed to sewer by BoS, and EGT rate plus \$40/quarter

Respectfully submitted for discussion,



David Ware, East Goshen Township Finance Director

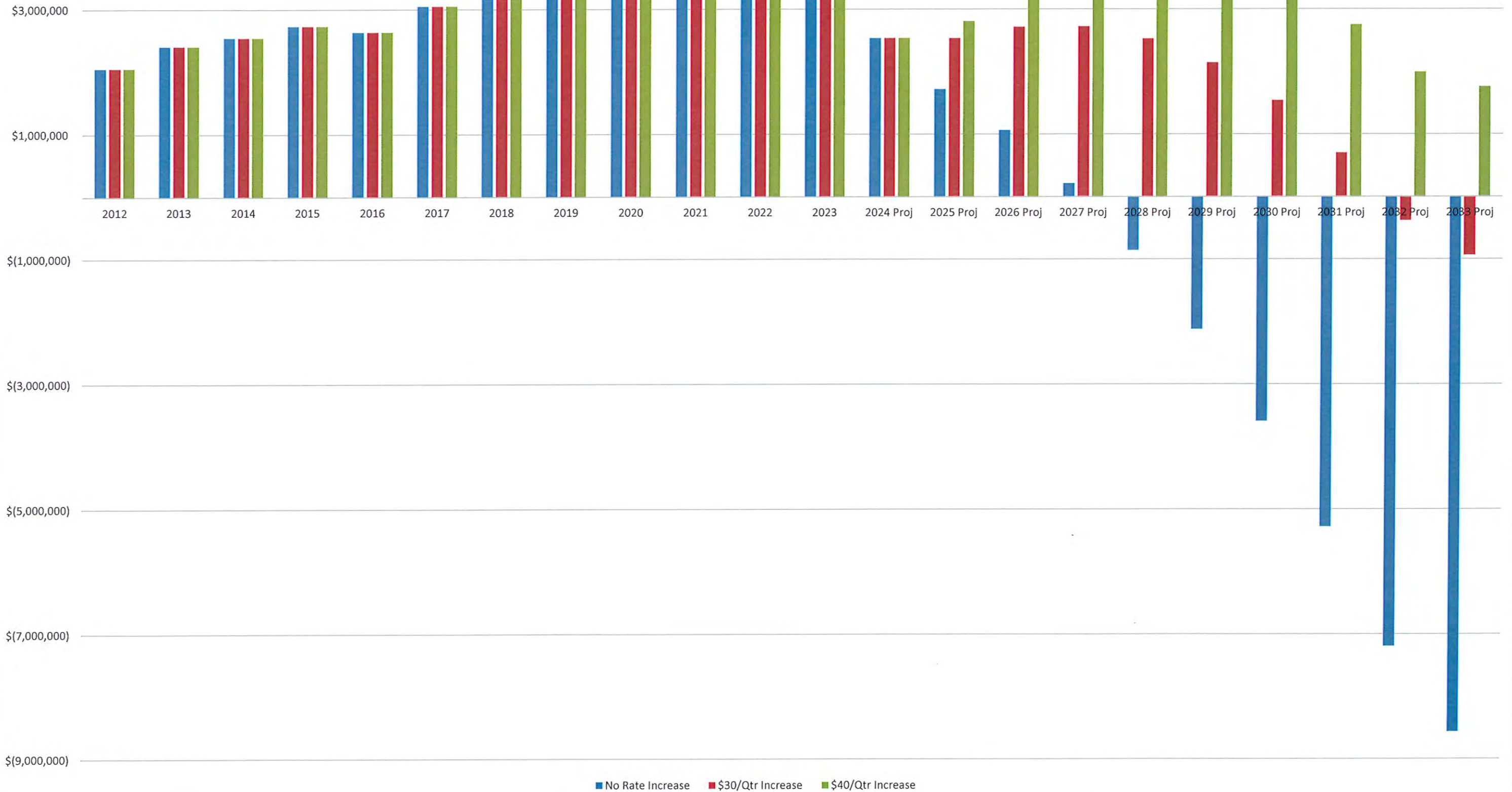
No Sewer Rate Increase

ESTIMATED BEGINNING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 752,767	\$ 1,717,893	\$ 1,063,675	\$ 211,747	\$ (857,500)	\$ (2,121,201)	\$ (3,593,367)	\$ (5,283,328)	\$ (7,196,633)	
Account Title	Acct #	Actual 2022	Actual 2023	Budget/Est 2024	Estimate 2025	Estimate 2026	Estimate 2027	Estimate 2028	Estimate 2029	Estimate 2030	Estimate 2031	Estimate 2032	Estimate 2033
TRANSFER TO MUNIC AUTHORITY	05-492-0700	\$ 90,979	\$ 162,155	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
TRANSFER TO BOND FUND - SEWER	05-492-0805	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSFER TO SEWER CAPITAL RESERVE	05-492-0900	\$ 290,000	\$ 410,000	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TELEVISIONING/CLEANING/RELINING		\$ -	\$ -	\$ -	\$ 250,000	\$ 262,500	\$ 275,625	\$ 289,406	\$ 303,877	\$ 319,070	\$ 335,024	\$ 351,775	\$ 369,364
CAPITAL PROJECTS/UPGRADES/NEW		\$ -	\$ -	\$ -	\$ 613,000	\$ 314,058	\$ 329,761	\$ 346,249	\$ 363,562	\$ 381,740	\$ 400,827	\$ 420,868	\$ 441,912
TOTAL ADMINISTRATIVE EXPENSES		\$ 2,118,013	\$ 2,271,810	\$ 2,173,053	\$ 2,714,222	\$ 2,468,692	\$ 2,540,423	\$ 2,621,463	\$ 2,690,017	\$ 2,771,971	\$ 2,857,055	\$ 2,941,182	\$ 2,252,946
TOTAL SEWER EXPENSES		\$ 3,749,379	\$ 4,478,451	\$ 4,468,202	\$ 5,067,854	\$ 4,926,843	\$ 5,108,197	\$ 5,304,218	\$ 5,493,378	\$ 5,701,843	\$ 5,919,638	\$ 6,142,982	\$ 5,600,797
NET RESULT FROM OPERATIONS		\$ 137,541	\$ (199,027)	\$ (206,875)	\$ 965,126	\$ (654,218)	\$ (851,928)	\$ (1,069,247)	\$ (1,263,701)	\$ (1,472,166)	\$ (1,689,961)	\$ (1,913,305)	\$ (1,371,120)
ESTIMATED ENDING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 752,767	\$ 1,717,893	\$ 1,063,675	\$ 211,747	\$ (857,500)	\$ (2,121,201)	\$ (3,593,367)	\$ (5,283,328)	\$ (7,196,633)	\$ (8,567,753)
SEWER RESERVE ENDING FUND BALANCE		\$ 2,384,772	\$ 2,246,078	\$ 1,784,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COMBINED ENDING FUND BALANCE		\$ 3,543,441	\$ 3,205,720	\$ 2,537,251	\$ 1,717,893	\$ 1,063,675	\$ 211,747	\$ (857,500)	\$ (2,121,201)	\$ (3,593,367)	\$ (5,283,328)	\$ (7,196,633)	\$ (8,567,753)

40\$/Qtr Sewer Rate Increase Assumed 2025 (full year)

ESTIMATED BEGINNING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 752,767	\$ 2,804,052	\$ 3,263,147	\$ 3,552,366	\$ 3,652,793	\$ 3,566,572	\$ 3,269,729	\$ 2,747,671	\$ 1,989,217	
Account Title	Acct #	Actual 2022	Actual 2023	Budget/Est 2024	Estimate 2025	Estimate 2026	Estimate 2027	Estimate 2028	Estimate 2029	Estimate 2030	Estimate 2031	Estimate 2032	Estimate 2033
TRANSFER TO MUNIC AUTHORITY	05-492-0700	\$ 90,979	\$ 162,155	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
TRANSFER TO BOND FUND - SEWER	05-492-0805	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSFER TO SEWER CAPITAL RESERVE	05-492-0900	\$ 290,000	\$ 410,000	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TELEVISIONING/CLEANING/RELINING		\$ -	\$ -	\$ -	\$ 250,000	\$ 262,500	\$ 275,625	\$ 289,406	\$ 303,877	\$ 319,070	\$ 335,024	\$ 351,775	\$ 369,364
CAPITAL PROJECTS/UPGRADES/NEW		\$ -	\$ -	\$ -	\$ 613,000	\$ 314,058	\$ 329,761	\$ 346,249	\$ 363,562	\$ 381,740	\$ 400,827	\$ 420,868	\$ 441,912
TOTAL ADMINISTRATIVE EXPENSES		\$ 2,118,013	\$ 2,271,810	\$ 2,173,053	\$ 2,714,222	\$ 2,468,692	\$ 2,540,423	\$ 2,621,463	\$ 2,690,017	\$ 2,771,971	\$ 2,857,055	\$ 2,941,182	\$ 2,252,946
TOTAL SEWER EXPENSES		\$ 3,749,379	\$ 4,478,451	\$ 4,468,202	\$ 5,067,854	\$ 4,926,843	\$ 5,108,197	\$ 5,304,218	\$ 5,493,378	\$ 5,701,843	\$ 5,919,638	\$ 6,142,982	\$ 5,600,797
NET RESULT FROM OPERATIONS		\$ 137,541	\$ (199,027)	\$ (206,875)	\$ 2,051,285	\$ 459,095	\$ 289,219	\$ 100,428	\$ (86,222)	\$ (296,843)	\$ (522,058)	\$ (758,454)	\$ (235,230)
ESTIMATED ENDING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 752,767	\$ 2,804,052	\$ 3,263,147	\$ 3,552,366	\$ 3,652,793	\$ 3,566,572	\$ 3,269,729	\$ 2,747,671	\$ 1,989,217	\$ 1,753,987
SEWER RESERVE ENDING FUND BALANCE		\$ 2,384,772	\$ 2,246,078	\$ 1,784,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COMBINED ENDING FUND BALANCE		\$ 3,543,441	\$ 3,205,720	\$ 2,537,251	\$ 2,804,052	\$ 3,263,147	\$ 3,552,366	\$ 3,652,793	\$ 3,566,572	\$ 3,269,729	\$ 2,747,671	\$ 1,989,217	\$ 1,753,987

Ending Balance - Total Sewer Funds



Quarterly Rates

