

EAST GOSHEN MUNICIPAL AUTHORITY

August 11, 2025

7:00

- **7:00pm CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE**
 - Ask if anyone will be taping the meeting
- **CHAIRMAN’S REPORT/OTHER MEMBERS’ REPORTS**
- **LIAISON REPORTS**
- **SEWER REPORTS**
 - Director of Public Work’s Report
 - West Goshen Report
 - Pennoni Engineer’s Report
 - Big Fish Environmental Report
- **APPROVAL OF MINUTES**
 - July 14, 2025
- **APPROVAL OF INVOICES**

<u>Company</u>	<u>Invoice #</u>	<u>Amount</u>	<u>Paid?</u>
Pennoni	1284514	\$2,584.75	-
Gawthrop Greenwood	222078999	\$184.50	

- **FINANCIAL REPORTS**
 - July 2025
- **OLD BUSINESS**

- **2025 Goals:**

Goal	Status
Ridley Creek Plant compliance	January through July were in compliance with PADEP permit requirements.
Continue to implement infiltration and inflow for the sewer system	Ongoing.
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	Ongoing: (1) Sewer rate increase implemented July 2024. (2) Development of 20-year+ Capital Improvement Plan underway. (3) Continue to study sewer rates.

- **NEW BUSINESS**

- **CAPACITY REQUESTS**

- Mortein Tie-in Survey Results & Sewer Connection Exhibits
- Charter Chase Tie-in Discussion (email from Mark Johnsen, 1213 Waterford Rd)

- **ANY OTHER MATTER**

- **CORRESPONDENCE AND REPORTS OF INTEREST**

- SBR Tank #1 Structural Assessment Draft
- RCSTP Protective Device Coordination & Arc Flash Study

- **PUBLIC COMMENT**

- **ADJOURNMENT**

**EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1680 PAOLI PIKE, WEST CHESTER, PA 19380-6199
610-692-7171**

Date: August 11, 2025
To: Municipal Authority
From: Mark Miller
Re: Monthly Report

Monthly Flows: The average daily flow to West Goshen was 579,445 per day.

Meters: Read on a daily basis with no problems to report.

C.C. Collection:

- Pump stations were visited on a daily basis with no problems to report.
- We inspected the lines in the Waterview development because we will be milling and paving the roads there in the next two weeks.

Ridley Creek Collection:

- The pump stations were visited on a daily basis with no problems to report.
- The upgrades to Hershey Mill Station are just about completed.

Ridley Creek Plant:

- We didn't have any problems to report.
- We cleared the brush from both retention basins and rom around the fence.
- I ordered two new dialers for the plant which will be installed and in operation by the end of September.

Alarms: 22, all weather-related

PA One Calls: 118

Lateral Caps: 2

Monthly Rainfall: 5.00"

Mark Miller

From: Mike Moffa <MMoffa@westgoshen.org>
Sent: Thursday, August 7, 2025 7:13 AM
To: Mark Miller
Subject: Monthly Update

Good morning Mark,

Please let me know if you need anything else or would like different info...

General Notes:

- For the month of July the plant operated in compliance with its NPDES permit.
- WWTP monthly average daily flow - 3.732 mgd
- WWPS monthly average daily flow - 1.213 mgd
- Monthly average total phosphorus discharge concentration was <0.04 mg/L.
- Sludge to landfill – 327 wet tons
- The WG Sewer Authority is working on updating its 10-year CIP. A meeting to discuss with EG will be scheduled soon for a potential late Aug or early Sep meeting.

Grant Projects:

- 2024 LSA-Statewide Grant: WWTP Pump Replacements. Results of the grant applications are anticipated for September, 2025.

Ongoing Projects:

- WWTP Transformer Replacement - Transformer and Gear have been ordered. Submittals were received and are being reviewed. Anticipated equipment delivery - 3rd qtr, 2026.
- Primary Clarifier No. 2 Rehab – The mechanism has been ordered and is under fabrication. Anticipated equipment delivery and installation - 4th qtr, 2025.
- Return Activated Sludge (RAS) line project. The project involves installing an insertion valve on the force main and replacing several existing sludge valves – Anticipated completion, 4th qtr, 2025.

Thanks and please let me know if you have any question,

Michael Moffa
Director of Wastewater
West Goshen Township
848 S. Concord Road
West Chester, PA 19382
610-696-0900





EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

August 8, 2025

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Arc Flash Study** – The final Arc Flash Study report was submitted to the operator and Public Works. It is our understanding that Lenni has already implemented the recommendations and installed the new arc flash labels so this project is now complete.

The actual effort to complete the study was more than we had initially scoped due to additional effort to research breakers that were not clearly visible on-site, and we respectfully request supplemental funding for a portion of that additional effort to be covered with available budget from our 2025 General Services task order. We will submit a separate request to document the additional effort and cost for discussion with the Township and MA.

- **SBR Tank Inspections** – We performed a visual structural and condition inspection of SBR #1 on June 26. For reference, the last inspection of SBR #1 occurred in 2021, and subsequent coating repairs were made in that SBR by Dutchland in June 2021. The draft 2025 inspection report was submitted to the operator and Public Works for review, and a review meeting to discuss observations and recommended repairs is being scheduled.

Sanitary Sewer Pipe Rehab

- **Supplee Valley Pipe Lining** – As previously reported, the contractor, Vortex Services, completed all pipe lining work, but one 370 LF pipe run has small "bubbles" throughout the liner. We notified the contractor on May 22 that this liner segment need to be repaired/relined and will not be accepted as-is. They responded with the attached letter proposing to remove a sample of the blistered liner with a robotic cutter to evaluate the condition of the underlying resin/felt cured wall. We will follow-up with them on the next steps after review and discussion with the Municipal Authority. Final payment will not be processed until this matter is resolved.

Pump Stations

- **Hunt Country Pump Station** – We submitted the PA Department of Community and Economic Development (DCED) Small Water and Sewer Grant application on April 30 for the pump station upgrade. DCED contacted the Township to question the funding request matching amount, and Mark Miller submitted a response to DCED regarding the matching funds commitment on July 16. We expect that DCED will make awards in late 2025 or early 2026.
- **Ashbridge Pump Station** – No activity by Pennoni. The station is in need of upgrades. We will coordinate with Public Works to develop the scope of improvements.

Sewer Extension

- **Morstein Road and Great Oak Circle** – The inquiry letter to Morstein Road property owners to gauge interest in connecting to public sewer was issued on June 11. Responses were requested by August 31. Several responses have already been received. Exhibits depicting the three sanitary sewer connection alternatives, approximate septic system ages, available sanitary sewer connection option for the surveyed properties, the properties that are definitely interested, interested depending on costs, not interested, and not yet responded, and the cost estimates for the three alternatives were submitted to the Township.

New Connections

- **Millstone Meadows (1010 Hershey Mill Road)** – Site construction is ongoing, and we performed regular inspections.

- **Timbermill (301 Reservoir Road)** – Site construction is ongoing, and we performed regular inspections.
- **14 Reservoir Road** – No activity by Pennoni since our last report. We are awaiting a plan resubmission to address comments from our last review letter dated July 12, 2024, two of which are related to sanitary sewer.
- **1338 Morstein Road (WCU Foundation)** – No activity by Pennoni since our last report. Three new homes are proposed in East Goshen with additional homes in West Whiteland. The East Goshen Township-required Sewage Facilities Planning Module (SFPM) Components were submitted to the Chester County Health Department (CCHD) and Chester County Planning Commission (CCPC), and both agencies returned the completed components. It is our understanding that the developer's Design Engineer previously resubmitted to PADEP.
- **1344 Morstein Road** – One new home is proposed with a grinder pump. As previously reported, after exploring various alternatives, we notified the Design Engineer that the only viable option to connect to public sewer is through an easement across an existing residential property to the existing sewer in Eastwick Circle. The Design Engineer provided the existing easement for review by the Township to evaluate if it can be used to install the new pipe. However, the easement is a private property matter, so we deferred to the property owners to confirm the easement can be used in writing. We spoke with the property owner/applicant and advised her of the need to have the adjacent property owners confirm the use of the existing easement for new piping in writing.

END OF REPORT

05 June 2025

Dave Alpaugh
Director of Operations
Vortex Services- Mid-America
210 Bennett Road
Freehold, NJ 07728

Re: East Goshen, PA Baldwin Dr and Reservoir Rd Easement Installation

Dave,

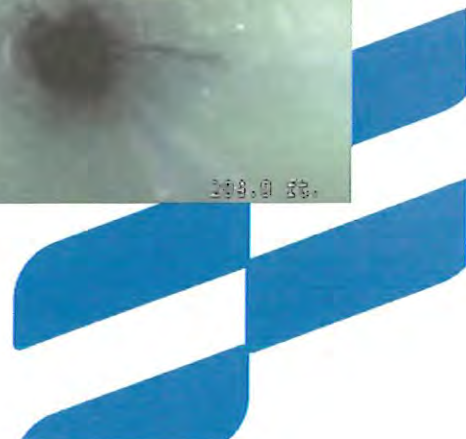
After reviewing the post video, random bubbles of separated polyurethane (PU) coating exist throughout the length of the installation. The inspection clearly shows bubbles or blisters of the PU film detaching from the underlying needled felt material. Upon close inspection of the bubbles, it is only the film coating and not the felt/resin matrix within the structural CIPP pipe wall. The picture to the right shows random white areas in the pipe cross-section, indicating PU separation from the composite, in the surrounding dark areas of intact PU film on the CIPP inner surface.

The PU coating delamination, not layer separation, is seen throughout the pipe length and arbitrarily changes in surface area and protrusion from the CIPP pipe wall.

A few of the PU blisters or bubbles contain water, as seen in the picture to the right.

This tube's materials and processing have been reviewed.

- The tube had no pinholes or irregularities passing the 33 quality assurance manufacturing tests, including a dye water bath that specifically highlights porosity or breaches in the coating.





- The tube's wet out report indicates the coating was continuous during the application of a vacuum preparation step for the resin distribution throughout the tube length.
- The installation process curing boiler log indicated the recommended heating schedule was followed and interface temperatures indicated a sufficient cure process.

After cooling down and the removal of the internal air pressure completing the installation process, the PU coating anomalies were observed. The PU film coating applied to the felt layer has randomly detached throughout the pipe installation. The PU coating was pushed off the felt as seen in the blister/bubbles. The source of the blister creating pressure is a high resin exotherm temperature during the curing phase that was retained by the thermal "insulating" PVC host pipe. The exotherm is typically dissipated by the heat conductance through the host pipe and surrounding soil envelope. The PVC pipe material limits temperature control during the curing resin exotherm. Elevated resin exotherm temperature spikes conduct heat toward the lower temperature curing steam and can generate PU coating blistering. This exotherm created the blistering of the inner film coating.



The coating of the tube is a non-structural component of the CIPP pipe. The function of the coating is to provide ease of tube handling, allow for vacuum impregnation of the resin system and create an impermeable fluid barrier (air or water) for the inversion installation process. During physical testing of CIPP pipe samples, the ASTM process standards mathematically subtract the coating thickness or remove the specimen's coating for physical test results since the film coating is considered a non-structural portion of the installed pipe.

We propose a robotic cutter to remove the blistered PU coating on a section of this installed pipe to allow for inspection of the underlying resin/felt cured wall. It is expected a well cured resin/felt matrix laminate will be observed. The PU blisters containing water may have a small solution channel through the CIPP wall that allow elevated groundwater to seep through the small pathway and fill the PU blisters. These small channels typically seep for a short duration due to the transport of the surrounding soil clay and silt particles that block or blind off the micro pathways meandering in the CIPP wall.



We propose to video these areas of the removed PU blister/bubbles and prepare a qualitative review for the customer.

Please tell me if you would like to discuss this option further before sending this proposal to your customers for consideration and approval.

Respectfully,

Rick Baxter

Rick Baxter, P.E.

United Felts Technical Services Engineer

CC: Mark Chandler United Felts Technical Director
Justin Hancock, VP United Felts Operations



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for July 2025. All supplemental reports were submitted for June 2025. Caustic usage decreased to 62.07 gallons per day from 64.24 gallons per day last month. Aluminum sulfate solution volumes daily average decreased to 71.25 gallons per day from 72.52 gallons per day. No significant mechanical or operational issues were observed during the SBR treatment process. Sludge dewatering did not encounter any significant mechanical or operational issues. There were no odor complaints during the month.

Tables

CERTIFIED LAB RESULTS- INFLUENT JULY 2025				
	Ammonia as N	CBOD	Total Phosphorus	Total Suspended Solids
DATE				
7/1/2025	36.0 mg/L	200 mg/L	4.76 mg/L	176 mg/L
7/8/2025	33.4 mg/L	230 mg/L	4.91 mg/L	172 mg/L
7/15/2025	26.7 mg/L	249 mg/L	3.96 mg/L	177 mg/L
7/22/2025	35.7 mg/L	210 mg/L	2.22 mg/L	114 mg/L

CERTIFIED LAB RESULTS- FINAL EFFLUENT JULY 2025						
	FLOW	Ammonia as	CBOD	Total Phosphorus	Total Suspended Solids	Fecal Coliform
Permit Limit (Weekly Average)	Gallons	2.5mg/L	15mg/L	0.5mg/L	15mg/L	200 coliforms/100mL
DATE						
7/1/2025	321,000	<0.10	<2.0	0.19	4	<1
7/8/2025	324,000	<0.10	<2.0	0.16	5.5	7
7/15/25	257,000	<0.10	<2.0	0.11	<4.0	3
7/22/2025	249,000	<0.10	<2.0	0.14	<4.0	<1

The Tables above show the certified lab results from samples collected once a week by Suburban Testing Labs as required by our DEP permit. The influent samples are collected by a composite sampler located at the doghouse manhole where the influent enters the plant. The final effluent data is from a combination of a composite sampling and grab sampling, both performed at the end of the UV channel weirs. For simplicity, only the parameters that have discharge limits are shown above. We remained well below all of the weekly average discharge limits for the month of July.

Nothing to report

Pennoni Associates

Nothing to report

Significant Rainfall

During July, there were eight (8) days where precipitation occurred. There were 5 days where rain accumulation was greater than 0.50".

7/1: 3.20"

7/9: 0.83"

7/10: 0.89"

7/15: 0.87"

7/27: 0.70"

Total rainfall for July was 6.68 inches

*dates shown are the dates that the rain gauge was observed, not necessarily the day the rain occurred

Chemical Data

July 2025		
<u>Chemical</u>	Daily Average	Total Monthly
<u>Caustic Soda, gal</u>	62.07	1924.05
<u>Aluminum Sulfate solution, gal</u>	71.25	2208.87
<u>Sludge Dewatering, gal*</u>	18,914	416,101

*22 days of sludge dewatering

There was an increase of 9,075 gallons of sludge dewatering during the month of July compared to June.

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

Nothing to report

Upcoming Repairs or Upgrades

SBR 1 pump rails will be repaired and reinforced to prevent separation problems in the future

Flow Data

July 2025			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building	10.825	349,206	493,140
Influent Wastewater to SBRs	11.632	375,217	454,432
Internal Recycle	1.073	34,621	74,778
Treated Effluent to Disc Filters	11.387	367,335	432,960
Final Effluent Discharge	8.063	260,000	324,000
Applebrook Golf Course	1.036	33,412	42,582

The plant hydraulic design loading is 745,000 gpd.

There were no high flow events during the month of July 2025

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
July 14, 2025

The East Goshen Township Municipal Authority held their regular meeting on Monday, July 14, 2025 at 7:00 pm. at the Township Building.

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

Walter Wujcik, Chairman

Kevin Cummings – Vice Chairman

Sean Ellsworth

John Stipe

Dana Pizarro

Also in attendance were:

Mark Miller (Director of Public Works),

Cody Bright (Supervisor)

Dave Ware (Finance Director),

Patrick McKenna (Attorney)

Robert Jefferson (Attorney)

Stacey Fuller (Attorney)

Mike Ellis (Pennoni).

COMMON ACRONYMS:

ATS – Automatic Transfer Switch

BFES – Big Fish Environmental Services

BOS – Board of Supervisors

CB – Conservancy Board

DEP – Department of Environmental Protection

EPA – Environmental protection Agency

HC – Historical Commission

I&I – Inflow & Infiltration

LCSTP – Lockwood Chase Sewer Treatment Plant

PWD – Public Works Department

MA- Municipal Authority

NPDES – National Pollutant Discharge Elimination System

PC – Planning Commission

PM – Prevention Maintenance

PR – Park & Recreation Board

RCSTP – Ridley Creek Sewer Treatment Plant

SBR – Sequencing Batch Reactor

SSO – Sanitary System Overflow

WAS – Waste Activated Sludge

Call to Order & Pledge of Allegiance

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

Walter asked for a moment of silence for our troops and EMT.

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

Chairman's Report/Other Members Report

1. Sean will attend the West Goshen meeting in August.

1 **Liaison Reports**

2 1. Conservancy Board – Walter mentioned that spraying of invasives will begin. The discussion on
3 street trees has been postponed. The Willistown report on water quality is due in August.

4
5 **SEWER REPORTS**

6
7 **1. Director of Public Works, Mark Miller's report for July 9, 2025.**

8
9 **Monthly Flows** – The average daily flow to West Goshen was 569,063 gallons per day.

10
11 **Meters:**

- 12 • Read on a daily basis with no problems to report.

13
14 **C.C. Collection:**

- 15 • Routine maintenance was performed at the pump stations and there were no problems to
16 report.
17 • We were notified of two lateral blockages:
18 • 1425 Grand Oak Ln, which we cleared for the resident
19 • 511 Gateswood Dr. We were able to clear the pipe; however, a portion was
20 collapsed so we told her she would need to call a plumber.

21
22 **Ridley Creek Collection**

- 23 • The stations were visited daily with no problems to report.

24
25 **Ridley Creek Plant**

- 26 • Routine maintenance was performed by the Public works employees
27 • The on-site stormwater basins were cleaned out.
28 • Number one SBR was drained, cleaned, and inspected.
29 • Lenni has ordered the breakers that were needed as part of the Arc Flash report.

30
31 **Alarms:** 23 (all weather related)

32
33 **PA One Calls:** 205

34
35 **Lateral Caps:** none

36
37 **Monthly Rainfall:** 6.62" for June. As of July 10th, we have received 3.90" of rainfall.

38
39
40 **2. Pennoni Engineer's Report dated July 10, 2025**

41
42 ***Ridley Creek Sewage Treatment Plant (RCSTP)***

- 43 • **Arc Flash Study** – A full draft of the Arc Flash Study report was submitted to the operator
44 and Public Works on May 29 for review. A review meeting with Lenni Electric occurred on
45 July 2. Lenni is replacing circuit breakers as recommended in the report. The report is being

updated accordingly and the final version will be submitted.

- **SBR Tank Inspections** – Visual inspection of the coating and concrete walls and floor within SBR #1 occurred on June 26. The last inspection of SBR #1 occurred in 2021, and subsequent coating repairs were made in that SBR by Dutchland in June 2021. The structural and coatings assessment report for SBR #1 is currently being prepared.

Sanitary Sewer Pipe Rehab

- **Supplee Valley Pipe Lining** – The contractor, Vortex Services, previously completed all pipe lining work. One 370 LF pipe run has small “bubbles” throughout the liner. We notified the contractor on May 22 that this liner segment need to be repaired/relined and will not be accepted as-is. They acknowledged the notification and responded that they would discuss internally and get back to us. We followed-up on June 5 but have not yet received a response. We will follow-up with them again. Final payment will not be processed until this matter is resolved.

Pump Stations

- **Hunt Country Pump Station** – We submitted the PA Department of Community and Economic Development (DCED) Small Water and Sewer Grant application on April 30 for the pump station upgrade. DCED contacted us to question the funding request breakdown, and we are coordinating with DCED to address. We expect that DCED will make awards in late 2025 or early 2026.
- **Ashbridge Pump Station** – No activity by Pennoni. The station is in need of upgrades. We will coordinate with Public Works to develop the scope of improvements.

Sewer Extension

- **Morstein Road** – The inquiry letter to Morstein Road property owners to gauge interest in connecting to public sewer was issued on June 11. Responses are required by August 31. Several responses have already been received.

New Connections

- **Millstone Meadows (1010 Hershey Mill Road)** – Site construction is ongoing, and we are continuing to perform regular inspections.
- **Timbermill (301 Reservoir Road)** – Site construction is ongoing, and we are performing continuing to perform regular inspections.
- **14 Reservoir Road** – No activity by Pennoni since our last report. We are awaiting a plan resubmission to address comments from our last review letter dated July 12, 2024, two of which are related to sanitary sewer.
- **1338 Morstein Road (WCU Foundation)** – No activity by Pennoni since our last report. Three new homes are proposed in East Goshen with additional homes in West Whiteland. The East Goshen Township-required Sewage Facilities Planning Module (SFPM) Components were submitted to the Chester County Health Department (CCHD) and Chester County

1 Planning Commission (CCPC), and both agencies returned the completed components. It is
2 our understanding that the developer's Design Engineer previously resubmitted to PADEP.

- 3 • **1344 Morstein Road** – One new home is proposed with a grinder pump. As previously
4 reported, after exploring various alternatives, we notified the Design Engineer that the only
5 viable option to connect to public sewer is through an easement across an existing residential
6 property to the existing sewer in Eastwick Circle. The Design Engineer provided the existing
7 easement for review by the Township to evaluate if it can be used to install the new pipe.
8 However, the easement is a private property matter, so we deferred to the property owners to
9 confirm the easement can be used in writing.

10 The Design Engineer provided a revised submission package on May 28. Pennoni provided a
11 comment letter on June 17.
12
13
14

15 **3. Big Fish Environmental Services –**

16 The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water
17 quality for June 2025. All supplemental reports were submitted for June 2025. Caustic usage
18 increased slightly to 64.24 gallons per day from 62.82 gallons per day last month. Aluminum sulfate
19 solution volumes daily average decreased to 72.52 gallons per day from 73.21 gallons per day. No
20 significant mechanical or operational issues were observed during the SBR treatment process.
21 Sludge dewatering did not encounter any significant mechanical or operational issues. There were no
22 odor complaints during the month.
23
24

25 **Approval of Minutes**

26 The minutes of the June 9, 2025 meeting were approved as amended.
27

28 **Approval of Invoices**

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

30	* Invoice #1280947	\$8,652.25
31	* Invoice #1280948	\$ 352.00
32	• Invoice #1280949	\$3,268.50
33	• Invoice #1280950	\$6,075.00

34 Sean seconded the motion. The motion passed unanimously.

35 2. John moved to approve payment of Gawthrop Greenwood Invoice #222077798 in the amount of
36 \$759.50. Kevin seconded the motion. The motion passed unanimously.

37 3. Kevin moved to approve payment of the Colonial Electric paid Invoice #16339274 in the amount
38 of \$10,800.00. Dana seconded the motion. The motion passed unanimously.
39
40

41 **Financial Reports**

42 The following report was provided: YTD June 2025, the Municipal Authority recorded \$458,317.38
43 in revenues (primarily from Sewer Capital Reserve and Sewer Operating transfers) and \$448,541.27
44 in expenses (RCSTP UV replacement capital costs, Decanter controls repair, installation of new
45 generator, Hershey Mill pump station replacement Hydromatic pump, sewer pipe camera, explosion
46 proof heaters for RCSTP, Supplee Valley sanitary sewer pipe lining work, VFD's for RCSTP, and

1 engineering expenses). We also received 2024 revenue for recharges to Aqua to offset 07-424-3130
2 engineering expenses in 2025. The net result of operations is \$9,776.11. As of June 30, 2025, the
3 fund balance was \$25,501.67.

4
5
6 **Old Business - None**

7
8 **Goals -None**

9
10 **New Business - None**

11
12 **Capacity Requests - None**

13
14 **Any Other Matter - None**

15
16 **Correspondence- None**

17
18 **Public Comment - None**

19
20 **Adjournment**

21 There being no further business Kevin moved to adjourn the meeting. John seconded the motion.
22 The motion passed unanimously. The meeting was adjourned at 7:25 pm.
23 The next regular meeting will be held on Monday, August 11, 2025 at 7:00 p.m.

24
25 Respectfully submitted,

26
27
28 Ruth Kiefer, Recording Secretary
29



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 : 1284514
Invoice Date : 07/23/2025
Project : EGMAU25001
Project Name : 2025 General Services

For Professional Services Rendered Through 07/13/2025

Phase 01, General Engineering - July Engineer's Report. Performed RCSTP SBR Tank #1 inspection and prepared inspection report. Updated Morstein Rd resident inquiry letter for Township to issue to residents.

Phase 02, Grants - Reviewed DCED comments and grant guidelines on Hunt Country PS Small Water & Sewer Grant application matching funds amount.

Phase Code	Phase Name	Fee Type	Contract Amount	Previously Billed	Current Billing	Total Billing	Remaining	% Cmpl
01	General Engineering Services	NTE \$	39,357.50 \$	13,478.25 \$	2,514.00 \$	15,992.25 \$	23,365.25	40.63%
02	Grants	NTE \$	4,642.50 \$	4,571.75 \$	70.75 \$	4,642.50 \$	0.00	100.00%
Subtotal:			44,000.00 \$	18,050.00 \$	2,584.75 \$	20,634.75	23,365.25	46.90%
Total:			44,000.00 \$	18,050.00 \$	2,584.75 \$	20,634.75		
Total Amount Due						\$	2,584.75	

Phase	01	General Engineering Services		
Rate Schedule Labor				
Class		Hours	Rate	Amount
Authority Engineer		1.75	158.00	276.50
Senior Professional		1.00	150.00	150.00
Project Professional		10.00	135.00	1,350.00
Staff Professional		14.00	125.00	1,750.00
Rate Schedule Labor				3,526.50
Total this Phase				\$2,514.00

Phase	02	Grants		
Rate Schedule Labor				
Class		Hours	Rate	Amount
Authority Engineer		0.25	158.00	39.50
Staff Professional		0.25	125.00	31.25
Rate Schedule Labor				70.75

Continued on next page...

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

Project	EGMAU25001	2025 General Services	Invoice	1284514
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Total this Phase \$70.75

Billing Limits	Current	Prior	To-Date
Total Billings	2,584.75	18,050.00	20,634.75
Limit			44,000.00
Remaining			23,365.25

Total this Project \$2,584.75

Outstanding Invoices

Number	Date	Balance
1280947	6/27/2025	8,652.25
Total		8,652.25

APPROVED BY: 
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-424-3130

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

Project:	EGMAU25001		
Pennoni Job No.:	2025 General Services		
Invoice No:	1284514		
Invoice Period:	6/16/2025	to	7/13/2025
Initial Authorization:	\$ 44,000.00	Date:	7/23/2025
Contract Amount:	\$ 44,000.00		
Previously Invoiced:	\$ 18,050.00		
Current Invoice:	\$ 2,584.75		
Invoiced to Date (\$):	\$ 20,634.75		
Invoiced to Date (%):	46.90%		
Remaining Budget (\$):	\$ 23,365.25		
Remaining Budget (%):	53.10%		

Budget by Phase:

Phase Name:	2025 General Services
Phase Budget:	\$ 44,000.00
Previously Invoiced:	\$ 18,050.00
Current Invoice:	\$ 2,584.75
Invoiced to Date (\$):	\$ 20,634.75
Invoiced to Date (%):	46.90%
Remaining Budget (\$):	\$ 23,365.25
Remaining Budget (%):	53.10%

Comments: Phase 01, General Engineering - July Engineer's Report. Performed RCSTP SBR Tank #1 inspection and prepared inspection report. Updated Morstein Rd resident inquiry letter for Township to issue to residents.

Phase 02, Grants - Reviewed DCED comments and grant guidelines on Hunt Country PS Small Water & Sewer Grant application matching funds amount.



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100 | (p) 610-696-8225
West Chester, PA 19381-0562 | (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>
Effective February 1, 2025 there will be
a 3% convenience fee on all credit card payments.

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
08/07/2025
Client No: 6604-001M
Invoice No. 222078999

General Authority Services

Fees

		Hours	
07/11/2025			
PMM	Email from L. Werkheiser regarding Board meeting agenda and meeting materials; Review and analyze same.	0.40	82.00
07/14/2025			
PMM	Attend Authority Board meeting.	0.50	102.50
	For Current Services Rendered	0.90	184.50

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna, Esquire	0.90	\$205.00	\$184.50

Previous Balance \$759.50

Total Current Charges 184.50

07/29/2025 Payment -759.50

Balance Due \$184.50

APPROVED BY: 

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07-924-3140

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.



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East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
.08/07/2025
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
759.50	184.50	0.00	-759.50	<u>\$184.50</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.

Memo

To: Municipal Authority
From: Dana Gieder
Re: MA July 2025 YTD Financial Report
Date: August 5, 2025

YTD July 2025, the Municipal Authority recorded \$477,444.45 in revenues (primarily from Sewer Capital Reserve and Sewer Operating transfers) and \$467,648.52 in expenses (RCSTP UV replacement capital costs, Decanter controls repair, Installation of new generator, Hershey Mill pump station replacement Hydromatic pump, Sewer pipe camera, explosion proof heaters for RCSTP, Supplee Valley sanitary sewer pipe lining work, VFD's for RCSTP, and engineering expenses). We also received 2024 revenue for recharges to Aqua to offset 07-424-3130 Engineering expenses in 2025. The net result of operations is \$9,795.93. As of July 31, 2025, the fund balance was \$25,521.49.

Attached is a complete list of 2025 YTD detailed MA revenues and expenses.

EAST GOSHEN TOWNSHIP
Municipal Authority Fund
YTD JULY 2025

<u>Account Id</u>	<u>Account Description</u>	<u>Annual Budget</u>	<u>Current YTD</u>	<u>Prior YTD</u>
REVENUE				
07-341-1000	INTEREST EARNINGS	0.00	180.93	224.80
07-364-1100	C.C. TAPPING FEES	2,300.00	0	0
07-364-1110	R.C.TAPPING FEES	6,557.09	0	2,084.88
07-364-1130	CONNECTION FEES - SEWER	1,498.43	0	563.76
07-380-1000	MISCELLANEOUS REVENUE	1,076.32	0	282.24
07-392-0500	TRANSFER FROM SEWER OPERATING	238,506.00	89,295.45	94,097.57
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	698,000.00	387,968.07	436,834.59
Total Revenue		947,937.84	477,444.45	534,087.84
EXPENSES				
07-424-1400	ADMINISTRATIVE WAGES	45,000.00	23,935.60	22,380.52
07-424-3000	MISCELLANEOUS EXPENSE	2,500.00	960.00	1,056.61
07-424-3110	MUNIC.AUTH.-AUDITING	15,000.00	12,000.00	11,250.00
07-424-3130	ENGINEERING SERVICES	52,000.00	26,958.50	16,786.50
07-424-3140	LEGAL SERVICES	8,000.00	3,635.00	3,934.50
07-424-3700	CHESTER CREEK ENGINEERING	43,000.00	5,777.50	10,567.25
07-424-3705	HUNT COUNTY ENGINEERING	22,500.00	0	0
07-424-7440	R.C. CAPITAL-STP	30,500.00	0	0
07-424-7490	CAP.REPLACEMENT R.C.	49,500.00	6,413.85	27,691.19
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	0.00	20,850.00	0
07-429-1504	HUNT CO PUMP STATION CAPITAL	150,000.00	0	0
07-429-1505	RCSTP CAPITAL	87,500.00	86,523.04	198,696.08
07-429-1520	RCSTP - CAUSTIC SODA	0.00	0	718.00
07-429-3700	CHESTER CREEK CAPITAL	430,000.00	280,595.03	204,212.00
07-429-6100	WEST GOSHEN CAPITAL	20,000.00	0	31,488.51
Total Expenses		955,500.00	467,648.52	528,781.16
Net Result From Operations		-7,562.16	9,795.93	5,306.68
PER DAVE CARRY OVER FROM LAST YEAR				

Municipal Authority
YTD Revenues and Expenses thru 7/31/2025

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/25	Revenue Journal	INTEREST EARNED JANUARY 2025	14.23
07-341-1000	INTEREST EARNINGS	02/28/25	Revenue Journal	INTEREST EARNED FEBRUARY 2025	18.54
07-341-1000	INTEREST EARNINGS	03/31/25	Revenue Journal	INTEREST EARNED MARCH 2025	19.48
07-341-1000	INTEREST EARNINGS	04/30/25	Revenue Journal	INTEREST EARNED APRIL 2025	63.08
07-341-1000	INTEREST EARNINGS	05/31/25	Revenue Journal	INTEREST EARNED MAY 2025	29.32
07-341-1000	INTEREST EARNINGS	06/30/25	Revenue Journal	INTEREST EARNED JUNE 2025	16.46
07-341-1000	INTEREST EARNINGS	07/31/25	Revenue Journal	INTEREST EARNED JULY 2025	19.82
07-392-0500	TRANSFER FROM SEWER OPERATING	01/21/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	3,387.75
07-392-0500	TRANSFER FROM SEWER OPERATING	02/25/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	1,908.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/21/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	12,944.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/27/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	11,967.80
07-392-0500	TRANSFER FROM SEWER OPERATING	04/21/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	21,807.10
07-392-0500	TRANSFER FROM SEWER OPERATING	05/15/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,392.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/21/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	328.00
07-392-0500	TRANSFER FROM SEWER OPERATING	06/10/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	574.00
07-392-0500	TRANSFER FROM SEWER OPERATING	06/24/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	180.00
07-392-0500	TRANSFER FROM SEWER OPERATING	06/27/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	11,967.80
07-392-0500	TRANSFER FROM SEWER OPERATING	07/22/25	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	15,838.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/10/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,114.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/21/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	7,043.52
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/28/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	14,397.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/25/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	8,346.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/10/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	16,865.02
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/25/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,170.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/31/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,294.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/08/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	25,872.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/21/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,971.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/23/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	244,537.03
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/06/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,500.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/15/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	32,789.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/17/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	10,800.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/22/25	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,268.50
Total Revenue					477,444.45
07-424-1400	ADMINISTRATIVE WAGES	03/27/25	Pay Check: 711	25-00691 QTR 1 2025 MA CHARGE BACK	11,967.80
07-424-1400	ADMINISTRATIVE WAGES	06/27/25	Pay Check: 712	25-01401 QTR 2 2025 MA CHARGE BACK	11,967.80
07-424-3000	MISCELLANEOUS EXPENSE	03/21/25	Pay Check: 3545	25-00599 2025 ANNUAL DAILY DISCHARGE CA	780.00
07-424-3000	MISCELLANEOUS EXPENSE	06/24/25	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	180.00

Municipal Authority
YTD Revenues and Expenses thru 7/31/2025

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3110	MUNIC.AUTH.-AUDITING	03/21/25	Pay Check:	25-00624 FINAL BILLING AUDIT EGT MUA	12,000.00
07-424-3130	ENGINEERING SERVICES	01/21/25	Pay Check:	25-00117 SERV THRU 123124 2024 GEN SERV	2,459.75
07-424-3130	ENGINEERING SERVICES	01/22/25	Invoice Pay	AR000101 MISC. RECHARGE 07 acct	-3,695.00
07-424-3130	ENGINEERING SERVICES	01/22/25	Invoice Pay	AR000101 MISC. RECHARGE 07 acct	-5,920.00
07-424-3130	ENGINEERING SERVICES	02/25/25	Pay Check:	25-00415 SERV THRU 011225 2025 GEN SERV	970.00
07-424-3130	ENGINEERING SERVICES	02/25/25	Pay Check:	25-00416 SERV THRU 011225 24 CHAPTER 94	343.75
07-424-3130	ENGINEERING SERVICES	04/21/25	Pay Check:	25-00840 SERV THRU 031625 2025 SUPPLEE	5,777.50
07-424-3130	ENGINEERING SERVICES	04/21/25	Pay Check:	25-00841 SERV THRU 031625 2025 GEN SERV	7,235.00
07-424-3130	ENGINEERING SERVICES	04/21/25	Pay Check:	25-00842 SERV THRU 031625 24 CHAPTER 94	2,093.75
07-424-3130	ENGINEERING SERVICES	04/28/25	Expd	RECLASS PENNONI 1267313 PO# 25-00840	-5,777.50
07-424-3130	ENGINEERING SERVICES	05/14/25	Pay Check:	25-01077 SERV THRU 041325 RCSTP ARC FLA	6,750.00
07-424-3130	ENGINEERING SERVICES	05/14/25	Pay Check:	25-01076 SERV THRU 041325 24 CHAPTER 94	449.25
07-424-3130	ENGINEERING SERVICES	05/14/25	Pay Check:	25-01075 SERV THRU 041325 2025 GEN SERV	1,192.75
07-424-3130	ENGINEERING SERVICES	07/22/25	Pay Check:	25-01548 SERV THRU 061525 24 CHAPTER 94	352.00
07-424-3130	ENGINEERING SERVICES	07/22/25	Pay Check:	25-01547 SERV THRU 061525 GEN SERV	8,652.25
07-424-3130	ENGINEERING SERVICES	07/22/25	Pay Check:	25-01546 SERV THRU 061525 RCSTP ARC FLA	6,075.00
07-424-3140	LEGAL SERVICES	01/21/25	Pay Check:	25-00116 LEGAL SERV DEC 2024 GEN AUTH	266.50
07-424-3140	LEGAL SERVICES	01/21/25	Pay Check:	25-00115 LEGAL SERV OCT 2024 GEN AUTH	538.50
07-424-3140	LEGAL SERVICES	01/21/25	Pay Check:	25-00114 LEGAL SERV NOV 2024 GEN AUTH	123.00
07-424-3140	LEGAL SERVICES	02/25/25	Pay Check:	25-00414 LEGAL SERV DEC 2024 GEN AUTH	594.50
07-424-3140	LEGAL SERVICES	03/21/25	Pay Check:	25-00589 LEGAL SERV FEB 2025 GEN AUTH	164.00
07-424-3140	LEGAL SERVICES	04/21/25	Pay Check:	25-00843 LEGAL SERV MARCH 2025 GEN AUTH	287.00
07-424-3140	LEGAL SERVICES	05/21/25	Pay Check:	25-01097 LEGAL SERV APRIL 2025 GEN AUTH	328.00
07-424-3140	LEGAL SERVICES	06/10/25	Pay Check:	25-01289 LEGAL SERV MAY 2025 GEN AUTH	574.00
07-424-3140	LEGAL SERVICES	07/22/25	Pay Check:	25-01545 LEGAL SERV JUNE 2025 GEN AUTH	759.50
07-424-3700	CHESTER CREEK ENGINEERING	04/28/25	Expd	RECLASS PENNONI 1267313 PO# 25-00840	5,777.50
07-424-7490	CAP.REPLACEMENT R.C.	04/21/25	Pay Check:	25-00894 PORTABLE HOT HIGH PRESS WASHER	6,413.85
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	02/25/25	Pay Check:	25-00471 ENG # 516230997-S4NX750EC 7HP	8,346.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	04/08/25	Pay Check:	25-00772 HYDROMATIC PUMP W/2 CONNECTING	12,504.00
07-429-1505	RCSTP CAPITAL	01/10/25	Pay Check:	25-00016 UV SYS REMOTE ACCESS UPGRADE	4,114.00
07-429-1505	RCSTP CAPITAL	01/21/25	Pay Check:	25-00118 RCSTP- UV DISINFECTION SYS REP	7,043.52
07-429-1505	RCSTP CAPITAL	01/28/25	Pay Check:	25-00178 DECANter CONTROLS REPAIR	7,875.00
07-429-1505	RCSTP CAPITAL	01/28/25	Pay Check:	25-00175 INSTALL & WIRE NEW GENERATOR	6,522.50
07-429-1505	RCSTP CAPITAL	03/10/25	Pay Check:	25-00562 SUBSITE PROTRAK TRACTOR CAMERA	16,865.02
07-429-1505	RCSTP CAPITAL	03/25/25	Pay Check:	25-00657 RENTL 600KW PORTABLE GENERATOR	6,170.00
07-429-1505	RCSTP CAPITAL	03/31/25	Pay Check:	25-00731 RIDLEY PLANT GENERATOR ATS TRA	3,294.00
07-429-1505	RCSTP CAPITAL	04/08/25	Pay Check:	25-00776 EXPLOSION PROOF HEATERS- RCSTP	13,368.00
07-429-1505	RCSTP CAPITAL	04/21/25	Pay Check:	25-00853 (8) PARATECH LOCKSTROKE STRUTS	3,971.00
07-429-1505	RCSTP CAPITAL	05/06/25	Pay Check:	25-01006 TRANSPORT NEW GENERATOR-RCSTP	6,500.00

Municipal Authority
YTD Revenues and Expenses thru 7/31/2025

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	06/17/25	Pay Check:	25-01336 RIDLEY C-EXPLOSION PROOF VFD'S	10,800.00
07-429-3700	CHESTER CREEK CAPITAL	04/23/25	Pay Check:	25-00921 SUPPLEE VALLEY SANITARY SEWER	244,537.03
07-429-3700	CHESTER CREEK CAPITAL	05/14/25	Pay Check:	25-01074 SERV THRU 041325 2025 SUPPLEE	6,217.50
07-429-3700	CHESTER CREEK CAPITAL	05/14/25	Pay Check:	25-01078 SUPPLEE VALLEY SANITARY SEWER	26,572.00
07-429-3700	CHESTER CREEK CAPITAL	07/22/25	Pay Check:	25-01549 SERV THRU 061525 2025 SUPPLEE	3,268.50
Total Expense					467,648.52
Net Operating					9,795.93

Morstein Rd Sewer Tie-in Survey

Number	Street	Interest?	Comments
1235	Great Oak Cir	YES	Probably seems too expensive, but open to exploring options.
1237	Great Oak Cir	YES	Depends on cost, but \$60 - \$100K is not an option.
1239	Great Oak Cir	NO	
1241	Great Oak Cir	YES	
1344A	Morstein Rd		
1346	Morstein Rd	YES	I am interested in connecting but it will depend on cost. Unfortunately, due to the economy and unexpected life events, the money set aside for this a few years ago is no longer available.
1350	Morstein Rd	YES	We would not be interested if the cost of the sewer system extension is to be divided equally among all property owners. Our property is much closer to the connection on Barkway Ln. A price per foot from each house to the connection point would be more equitable.
1352	Morstein Rd	YES	After we subdivide, we will have two lots to connect. Let's do it.
1398	Morstein Rd	YES	Great idea - lets' make this happen - with grants!
1402	Morstein Rd	YES	
1404	Morstein Rd	YES	
1406	Morstein Rd		
1408	Morstein Rd		
1410	Morstein Rd	YES	We are possibly interested if grants are obtained and cost is dramatically reduced.
1412	Morstein Rd	NO	Not interested due to cost.
1414	Morstein Rd	NO	Our septic system is in excellent condition.
1416	Morstein Rd		
1240	Waterford Rd		
1243	Waterford Rd	YES	Our house's back corner to middle of Morstein is @ 60 yds, all downhill. Big issue is the large trees in path. Will there be an annual fee to access the pipeline? There is nothing wrong with the existing method. What are the estimated fees? The fees become an annuity for each home. - Mike Montgomery

19	Total properties
3	Not interested
11	Interested
5	Not yet responded

16%	NOT INTERESTED
58%	INTERESTED
26%	NOT YET RESPONDED

BOARD OF SUPERVISORS
EAST GOSHEN TOWNSHIP

CHESTER COUNTY
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

June 11, 2025

Dear Property Owner:

Multiple property owners along Morstein Road have recently been in contact with the East Goshen Municipal Authority to inquire about the feasibility of connecting their home to the public sanitary sewer system. The Authority would like to gauge the interest of other property owners to connect as well. This letter provides some very general information for your consideration. We respectfully request your response as described hereafter.

It is the Authority's understanding that many properties along Morstein Road still utilize their originally constructed septic systems. Original systems would be 40 to 50+ years old, which is typically at or near the end of their useful lives. Due to poor infiltration rates in the area, some property owners may not have the ability to install new septic systems or will have to replace them with options such as sand mounds or drip irrigation, which are more costly than their existing system. New septic systems can cost over \$40,000 to construct depending upon the extent and type of the new/replacement system.

To provide public sanitary sewer service along Morstein Road, the existing sanitary sewer system along Barkway Lane could be extended. The extension could utilize a combination of gravity sewers and low-pressure force mains along Morstein Road and Great Oak Circle. In order to connect to the extended gravity system, each applicable property owner desiring a connection would need to install a private lateral pipe on their property from their house to the new sewer main. To connect to the low-pressure force main system, each applicable property owner desiring a connection would need to install a private grinder pump and private force main pipe on their property.

There are certain properties that are only expected to be able to connect via low-pressure due to topography, whereas others could connect via gravity if the surrounding properties also connect via gravity.

The following eight properties could be connected by either a gravity or low-pressure force main system:

- 1240 Waterford Road
- 1243 Waterford Road
- 1346 Morstein Road
- 1350 Morstein Road
- 1352 Morstein Road
- 1398 Morstein Road
- 1402 Morstein Road
- 1404 Morstein Road

The following 11 properties could be connected only by a low-pressure force main system:

- 1235 Great Oak Circle
- 1237 Great Oak Circle
- 1239 Great Oak Circle
- 1241 Great Oak Circle
- 1344 A Morstein Road
- 1406 Morstein Road
- 1408 Morstein Road
- 1410 Morstein Road
- 1412 Morstein Road
- 1414 Morstein Road
- 1416 Morstein Road

The cost of the public sanitary sewer system extension is expected to be divided equally among the properties that are connecting. However, grants can be sought to reduce the costs. The cost range is very conceptual at this time until the level of interest is known and engineering design occurs. The cost per property could be in the range of \$60,000 to \$100,000, but that could be reduced dramatically depending on the total number of properties that decide to connect, and if grants are obtained.

Any responses or requests for additional information should be submitted in writing to Mark Miller and Lynn Werkheiser in the East Goshen Township Public Works Department at mmiller@eastgoshen.org and lwerkheiser@eastgoshen.org.

Please note again that the Authority is just seeking an expression of initial interest at this time to evaluate if further consideration should be given to public sewer extensions.

Please complete and return the form on the next page to help us gauge interest in this project.

Best regards,



Mark Miller
Director of Public Works
East Goshen Township

Please return this form to East Goshen Township in the enclosed stamped, self-addressed envelope by August 12, 2025. This is NOT a commitment form. It is only being used to gauge initial interest for evaluation purposes. You may also scan and email this form to lwerkheiser@eastgoshen.org.

☐ 1235 Great Oak Circle

☐ 1404 Morstein Road

☐ 1237 Great Oak Circle

☐ 1406 Morstein Road

☐ 1239 Great Oak Circle

☐ 1408 Morstein Road

☐ 1241 Great Oak Circle

☐ 1410 Morstein Road

☐ 1344A Morstein Road

☐ 1412 Morstein Road

☐ 1346 Morstein Road

☐ 1414 Morstein Road

☐ 1350 Morstein Road

☐ 1416 Morstein Road

☐ 1352 Morstein Road

☐ 1240 Waterford Road

☐ 1398 Morstein Road

☐ 1243 Waterford Road

☐ 1402 Morstein Road

☐ I / We may be interested in connecting to the public sanitary sewer system.

☐ I am NOT / We are NOT interested in connecting to the public sanitary sewer system.

Optional Information:

Name(s) _____

Email(s): _____

Phone #(s): _____

Comments: _____

Lynn Werkheiser

From: Michael Ellis <MEllis@Pennoni.com>
Sent: Thursday, August 7, 2025 11:13 PM
To: Lynn Werkheiser; Mark Miller
Cc: Erika Addison
Subject: Morstein Rd Sewer Extension Exhibits for MA
Attachments: Morstein Road Sewer Connection Exhibits_Combined.pdf

Hi Mark and Lynn,

We added two exhibits to the package that was prepared for the June MA meeting to show the survey interest results for each parcel on a map and to summarize which properties can connect only by low pressure (grinder pump) vs. an option of low pressure or gravity. Those are the 6th and 7th pages of the attached package. The other pages are from the June MA meeting package. This can be included in the MA packet for discussion on Monday along with this summary email.

The exhibits in the package follow:

1st page: Overview map of Township showing area of interest

2nd-4th pages: Sewer extension alternatives #1 thru #3

5th page: Age of onlot systems based on available info from the County Health Dept

6th page: Which properties can connect via only low pressure vs. an option of low pressure or gravity

7th page: Survey responses. Note that most of the properties uphill (west) of Barkway Ln are interested. This is the area that could be gravity or low pressure.

8th-10th pages: Budgetary cost opinions

Mike

Michael Ellis, PE

Municipal Division Manager

Pennoni

Christiana Executive Campus, 121 Continental Drive, Suite 207 | Newark, DE 19713

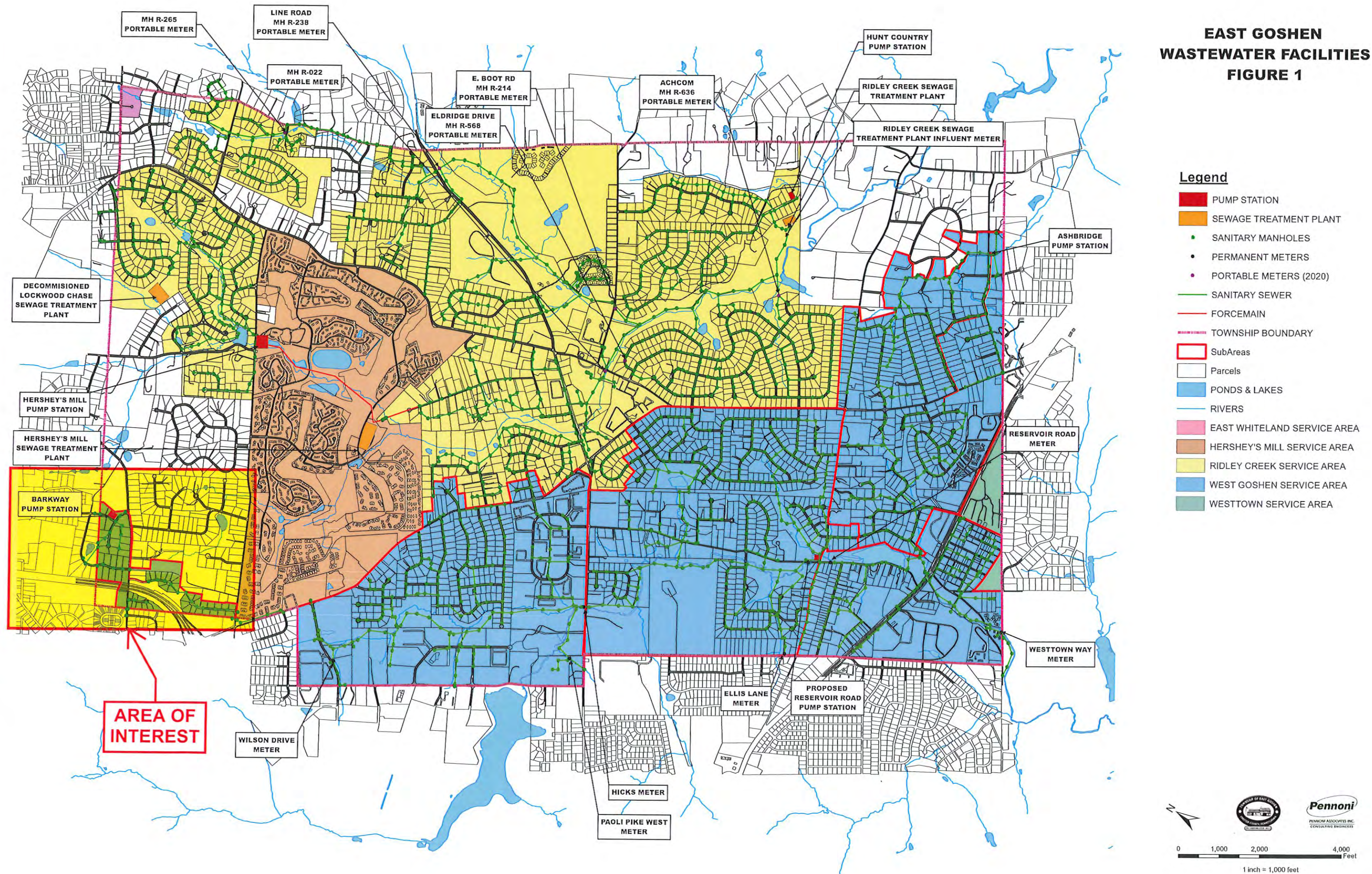
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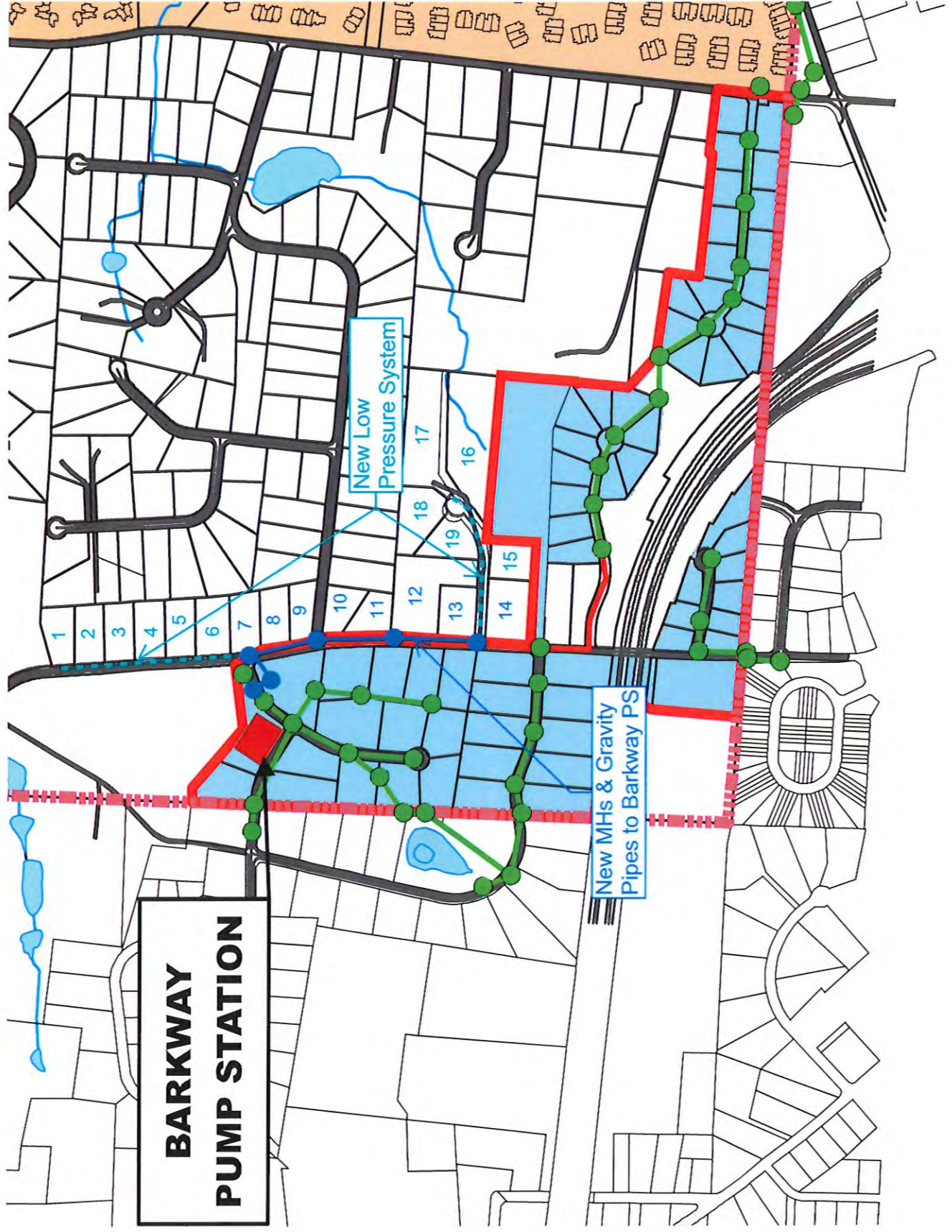


[What's Possible Podcast Episode 2](#)

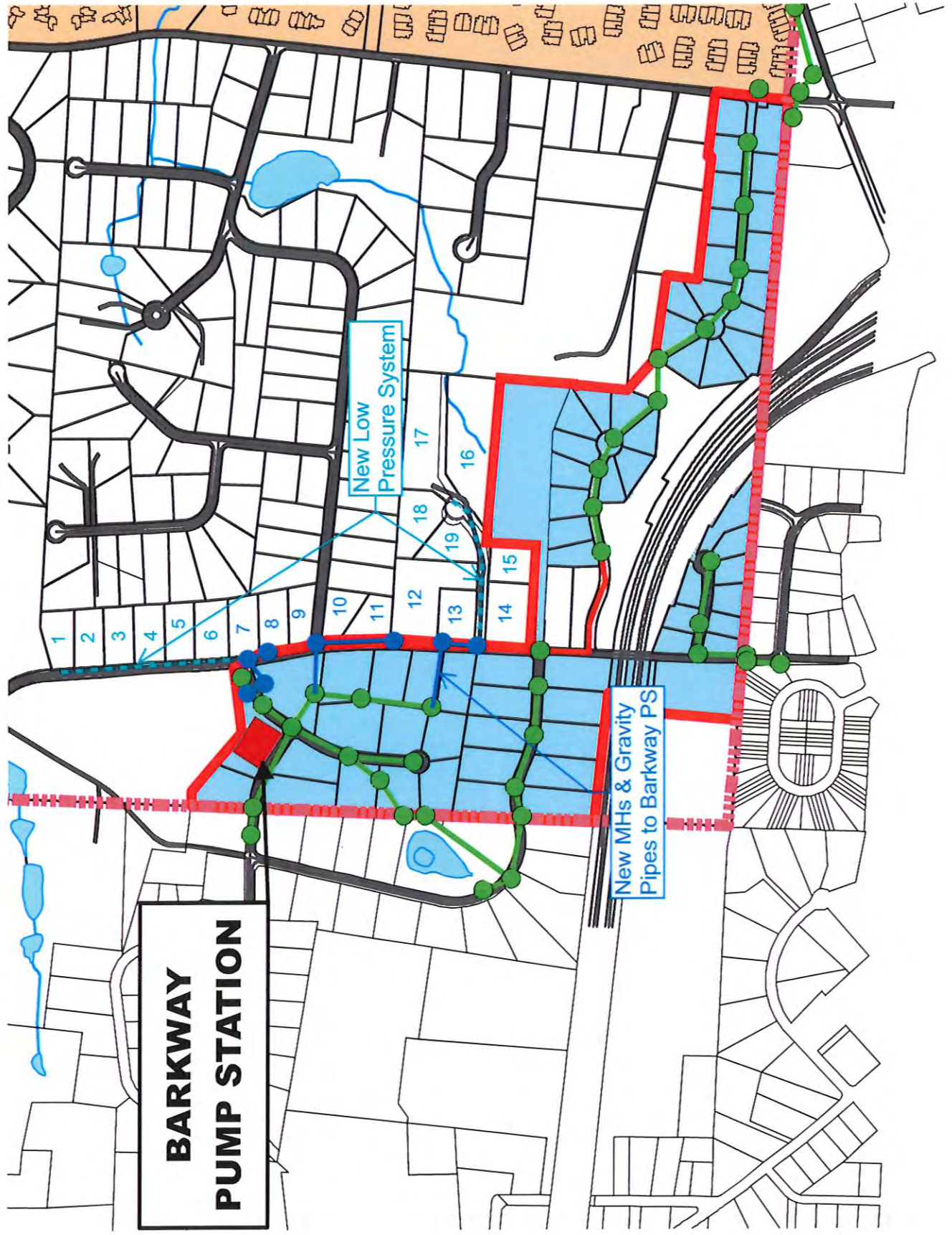
EAST GOSHEN WASTEWATER FACILITIES FIGURE 1



ALTERNATIVE 2



ALTERNATIVE 3



APPROXIMATE SEPTIC SYSTEM AGE EXHIBIT

JUNE 3, 2025



AVAILABLE CONNECTION TYPE EXHIBIT

AUGUST 7, 2025



SURVEY RESPONSE EXHIBIT

AUGUST 7, 2025





EAST GOSHEN MUNICIPAL AUTHORITY
MORSTEIN ROAD SANITARY SEWER EXTENSION
ALTERNATIVE 1
BUDGETARY OPINION OF PROBABLE CONSTRUCTION COSTS

5/9/2025

Description	Quantity	Units	Unit Price	Total
GENERAL				
Mobilization & Demobilization	1	LS	\$60,500.00	\$60,500
Survey & Layout	1	LS	\$5,000.00	\$5,000
Site Preparation and Erosion & Sediment Controls	1	LS	\$5,000.00	\$5,000
Traffic Control	1	LS	\$10,000.00	\$10,000
Miscellaneous Excavation & Backfill	25	CY	\$100.00	\$2,500
SUBTOTAL				\$83,000
SANITARY SEWER				
Low Pressure Sewer	2,850	LF	\$150.00	\$427,500
8" Gravity Sewer	200	LF	\$225.00	\$45,000
Manhole	2	EA	\$9,000.00	\$18,000
Grinder Pump	19	EA	\$15,000.00	\$285,000
Doghouse Manhole	1	EA	\$9,000.00	\$9,000
SUBTOTAL				\$784,500
RESTORATION				
Grading/Lawn/Site Restoration	1	LS	\$5,000.00	\$5,000
Driveway Restoration	100	SY	\$85.00	\$8,500
Roadway Restoration (5" Base & 2.5" Binder)	311	SY	\$100.00	\$31,111
1.5" Mill & Wearing Course Overlay	467	SY	\$25.00	\$11,667
SUBTOTAL				\$56,278
	CONSTRUCTION SUBTOTAL			\$923,778
	20% CONTINGENCY			\$184,756
	15% ENGINEERING & INSPECTIONS			\$138,567
	TOTAL			\$1,247,100
TOTAL (rounded)			\$1,248,000	

NOTE: An engineering opinion of probable construction cost is made by an engineer, and not by a professional construction cost estimator or construction contractor. The accuracy of the engineering opinion cannot be guaranteed.



EAST GOSHEN MUNICIPAL AUTHORITY
MORSTEIN ROAD SANITARY SEWER EXTENSION
ALTERNATIVE 2
BUDGETARY OPINION OF PROBABLE CONSTRUCTION COSTS

5/9/2025

Description	Quantity	Units	Unit Price	Total
GENERAL				
Mobilization & Demobilization	1	LS	\$71,300.00	\$71,300
Survey & Layout	1	LS	\$5,000.00	\$5,000
Site Preparation and Erosion & Sediment Controls	1	LS	\$5,000.00	\$5,000
Traffic Control	1	LS	\$15,000.00	\$15,000
Miscellaneous Excavation & Backfill	25	CY	\$100.00	\$2,500
SUBTOTAL				\$98,800
EAST MORSTEIN LOW PRESSURE SEWER				
Low Pressure Sewer	880	LF	\$150.00	\$132,000
Grinder Pump	6	EA	\$15,000.00	\$90,000
SUBTOTAL				\$222,000
GREAT OAK CIRCLE LOW PRESSURE SEWER				
Low Pressure Sewer	780	LF	\$150.00	\$117,000
Grinder Pump	5	EA	\$15,000.00	\$75,000
SUBTOTAL				\$192,000
GRAVITY SANITARY SEWER				
8" Gravity Sewer	1,390	LF	\$225.00	\$312,750
Sewer Lateral	400	LF	\$150.00	\$60,000
Manhole	5	EA	\$9,000.00	\$45,000
Doghouse Manhole	1	EA	\$9,000.00	\$9,000
SUBTOTAL				\$426,750
RESTORATION				
Grading/Lawn/Site Restoration	1	LS	\$5,000.00	\$5,000
Driveway Restoration	100	SY	\$85.00	\$8,500
Roadway Restoration (5" Base and 2.5" Binder)	872	SY	\$100.00	\$87,222
1.5" Mill & Wearing Course Overlay	1,953	SY	\$25.00	\$48,833
SUBTOTAL				\$149,556
CONSTRUCTION SUBTOTAL				\$1,089,106
20% CONTINGENCY				\$217,821
15% ENGINEERING & INSPECTIONS				\$163,366
TOTAL				\$1,470,293
TOTAL (rounded)				\$1,471,000

NOTE: An engineering opinion of probable construction cost is made by an engineer, and not by a professional construction cost estimator or construction contractor. The accuracy of the engineering opinion cannot be guaranteed.



**EAST GOSHEN MUNICIPAL AUTHORITY
MORSTEIN ROAD SANITARY SEWER EXTENSION
ALTERNATIVE 3
BUDGETARY OPINION OF PROBABLE CONSTRUCTION COSTS**

5/9/2025

Description	Quantity	Units	Unit Price	Total
GENERAL				
Mobilization & Demobilization	1	LS	\$69,800.00	\$69,800
Survey & Layout	1	LS	\$5,000.00	\$5,000
Site Preparation and Erosion & Sediment Controls	1	LS	\$5,000.00	\$5,000
Traffic Control	1	LS	\$15,000.00	\$15,000
Miscellaneous Excavation & Backfill	25	CY	\$100.00	\$2,500
SUBTOTAL				\$97,300
EAST MORSTEIN LOW PRESSURE SEWER				
Low Pressure Sewer	880	LF	\$150.00	\$132,000
Grinder Pump	6	EA	\$15,000.00	\$90,000
SUBTOTAL				\$222,000
GREAT OAK CIRCLE LOW PRESSURE SEWER				
Low Pressure Sewer	780	LF	\$150.00	\$117,000
Grinder Pump	5	EA	\$15,000.00	\$75,000
SUBTOTAL				\$192,000
GRAVITY SANITARY SEWER				
8" Gravity Sewer	1,375	LF	\$225.00	\$309,375
Sewer Lateral	400	LF	\$150.00	\$60,000
Manhole	7	EA	\$9,000.00	\$63,000
Doghouse Manhole	1	EA	\$9,000.00	\$9,000
Connection to Existing Manhole	2	EA	\$3,500.00	\$7,000
Easements			TBD	TBD
SUBTOTAL				\$448,375
RESTORATION				
Grading/Lawn/Site Restoration	1	LS	\$10,000.00	\$10,000
Driveway Restoration	100	SY	\$85.00	\$8,500
Roadway Restoration (5" Base and 2.5" Binder)	572	SY	\$100.00	\$57,222
1.5" Mill & Wearing Course Overlay	1,233	SY	\$25.00	\$30,833
SUBTOTAL				\$106,556
CONSTRUCTION SUBTOTAL				\$1,066,231
20% CONTINGENCY				\$213,246
15% ENGINEERING & INSPECTIONS				\$159,935
TOTAL				\$1,439,411
TOTAL (rounded)				\$1,440,000

NOTE: An engineering opinion of probable construction cost is made by an engineer, and not by a professional construction cost estimator or construction contractor. The accuracy of the engineering opinion cannot be guaranteed.