

EAST GOSHEN MUNICIPAL AUTHORITY

March 13, 2023

7:00

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

- a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS

3. SEWER REPORTS

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

4. APPROVAL OF MINUTES

- a. February 13, 2023

5. APPROVAL OF INVOICES

Pennoni	Invoice #1158745	\$4,144.21
Pennoni	Invoice #1158746	\$6,936.75
Pennoni	Invoice #1158747	\$3,482.75
Pennoni	Invoice #1158748	\$2,246.00
Gawthrop Greenwood	Invoice #268729	\$1,203.00 (paid)
Gawthrop Greenwood	Invoice #269208	\$1,009.50
Maillie	Invoice #92230	\$1,793.00 (paid)

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. No financial report (February not closed at time of meeting packet assembly)

8. OLD BUSINESS

9. 2023 Goals:

Goal	Status
Ridley Creek Plant Compliance	January & February were in compliance and met all requirements *Note DEP Annual Insp.
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station	On – going, Generator and transformers are in place Actively working on the building
Continue to Implement Infiltration and Inflow for the Sewer System	On-going
Caustic Soda Project	Public Works installing pad and piping
Replace sewer line Hershey Mill Estate trunk line replacement	Sewer line installed. Testing will be done week of 3/13/23.
Two new meters for Ridley Creek Collection	Blacksmith Shop (2023) Line Road – (2024)

10. NEW BUSINESS

- a. Response to Maillie audit from Derek Davis and Dave Ware

11. CAPACITY REQUESTS

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

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

To: Municipal Authority

From: Mark Miller

Re: March 13, 2023, Monthly Report

Monthly Flows: The average daily flow to West Goshen was 795,004 per day.

Meters: The meters were read on a daily basis. The meter cabinet at Westtown Way was changed out due to its poor condition.

C.C. Collection: The pump stations were visited on a daily basis. Wet wells were washed down and equipment oil levels were checked. We had no interruptions in service. We cleaned and televised the White Chimneys and Waterview Farms systems. Both were ok and we did not locate any INI.

C.C. Interceptor: We were able to clean and televise the creek crossing at Reservoir and Strasburg roads. A sag was noticed in the line next to the single bridge, which required additional cleaning. No INI was found. We still need to get together with Mike Ellis to come up with a plan of attack for the Interceptor repairs.

R.C. Collection: The pump stations were visited on a daily basis and wet wells were cleaned. Since the replacement of the Hershey Mill trunk line, the flows have dropped.

Ridley Creek Plant: Public Works performed various maintenance items. The guys have started on the pad for the caustic soda tank.

Alarms: 20 were received and all were weather-related.

PA 1 Calls: We received 100 PA One Calls for the month of February. Five were for lateral repairs by local plumbers.

Monthly Rainfall: 2.55 inches of rain for the month of February.

Lateral repairs or Caps: 11

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT**

March 6, 2023

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – We will provide assistance as needed during the Township's construction of the system.
- UV Disinfection System – The system is being fabricated, and delivery was originally planned in late February or early March 2023. We have requested a schedule update from the supplier and will request delivery occur in the May timeframe per the schedule below.

The tentative schedule for the mechanical and electrical contracts' bidding follows; this schedule is subject to being extended depending upon the supplier's scheduling.

- Bid Advertisement – mid-March
- Bids Due – early April
- Award Consideration – April 10, 2023 at the Municipal Authority Meeting
- Generator #2 Replacement – The generator was ordered in February. We reviewed the equipment submittals from the supplier, Premium Power Services for the Cummins' 500 kW diesel generator, and we returned comments. A supplemental submittal was provided that is currently under review. The lead times on the generator and ATS are 43 weeks and 22 weeks respectively.
- Operating Cost Analysis – As requested by the MA, we are evaluating the operating costs of the RCSTP in an effort to benchmark against other WWTP's. Dave Ware has provided financial data that we will analyze, and we will provide our observations upon completion of the analysis.

Westtown Way Pump Station

- No update since our last report.

Sanitary Sewer Pipe Rehab

- Supplee Valley – No have updated the construction scope and construction cost estimate for pipe lining the remainder of the asbestos cement sewers in the neighborhood and will submit to the Township for review. We anticipate bidding the project in March 2023 with construction in mid-2023.
- Hershey's Mill Estates – We reviewed additional shop drawings, coordinated with the Township to purchase additional piping and fittings, and provided additional pre-construction and construction coordination assistance. We performed part-time inspections during site preparation and nearly full-time inspection during pipe and manhole installation work.

The contractor, Joao & Bradley, mobilized on January 16 and started pipe installation at the downstream end on February 8. They completed all of the sanitary sewer piping and manhole installations on March 3, well ahead of the projected schedule. A significant quantity of additional stone bedding and backfill has been used to overexcavate to a suitable subgrade material and to provide more protection above the piping. The additional quantity of stone is approximately 2.2 times that which was originally designed. The additional stone material cost is approximately \$50,000, which is borne directly by the Township. It does not have any impact on the contractor's construction cost.

They began construction of the storm sewer headwall and other storm sewer replacements on March 6. They expect to be complete storm sewer work and most site restoration by March 10.

We also processed Payment Application #1.

- Ridley Creek Exposed Sewer Rehab – A full PADEP permit application has been prepared and will be submitted to PADEP in follow-up to the emergency authorization now that construction has been completed.
- Chester Creek Interceptor – Mark provided TV videos of the recent cleaning and televising of the downstream end of the interceptor that we will review to evaluate need for repairs.

New Connections

- No activity by Pennoni since our last report.

Chapter 94 Reports

- We continued preparation of the 2022 reports for the Ridley Creek, Chester Creek (West Goshen), and Westtown systems.

END OF REPORT



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 is anticipated to meet all effluent limitations regarding water quality for February 2023. All supplemental reports were submitted for the month of January 2023 with the eDMR Discharge to the Applebrook irrigation lagoon remaining offline. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminium sulphate solution volumes increased slightly to a daily average of 75.4 compared to the previous month at 74.4 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering was reduced from 524,613 to 401,730 gallons the month. There were no odor complaints during the month.

Table 1

February 2023- Final Effluent - Outfall 001													
NPDES Permit Discharge Limitations	Flow	CBOD ₅		Total Nitrogen		TSS		NH ₄ -N		Total Phosphorus		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	10	62	Report	Report	10	62	2.5	44	0.5	3	200	1,000
	Inst. Max	20	94			15	94	5		1			
Sample Date													
February 7, 2023	0.296	2.1	5.2	7.04	17.4	4.0	9.9	0.10	0.25	0.15	0.37	3	0.4771
January 17, 2023	0.301	2.8	7.0	5.26	13.2	7.6	19.1	0.10	0.25	0.12	0.30	1	0.0000
January 24, 2023	0.321	2.1	5.6	7.21	19.3	5.2	13.9			0.10	0.27	1	0.0000
February 28, 2023	0.325									0.14	0.38	24	1.3802
Average	0.311	2.3	5.9	6.50	16.6	5.6	14.3	0.10	0.25	0.13	0.33	7	0.4643
Minimum	0.296	2.1	5.2	5.26	13.2	4.0	9.9	0.10	0.25	0.10	0.27	1	0.0000
Maximum	0.325	2.8	7.0	7.21	19.3	7.6	19.1	0.10	0.25	0.15	0.38	24	1.3802

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 February 2023. The month-to-date average total phosphorus was reported as 0.13 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples were consistently in single digits. The results remain below the weekly maximum of 15 mg/L. The draft month to date average TSS is reported as 5.6 mg/L compared to the discharge limitation of 10 mg/L.

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

Discharge to the Applebrook irrigation lagoon, outfall 002 remains offline.

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

Table 2 presents the pollutant data for the influent wastewater collected at the doghouse manhole during February 2023.

Table 2

February 2023 - Influent Wastewater													
Design Basis	Flow	BOD ₅		CBOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
Sample Date													
February 7, 2023	0.349	254	738	258	750	220	640	27.1	79	45.2	131	4.9	14.2
February 14, 2023	0.379	225	712	340	1,076	134	424	28.0	89	49.6	157	5.56	17.6
February 21, 2023	0.379	296	934	245	773	286	903			45.2	143	5.65	17.8
February 28, 2023	0.381											4.71	15.0
Average	0.372	258	795	281	866	213	655	28	84	46.7	144	5.20	16.2
Minimum	0.349	225	712	245.0	750	134	424	27	79	45.2	131	4.71	14.2
Maximum	0.381	296	934	340	1,076	286	903	28	89	49.6	157	5.65	17.8

The foam on the SBR surface remained consistent with January, with approximately 15% to 20% coverage of the surface area. The foam thickness is approximately 2 inches and is light to medium brown. These conditions may contribute to a decrease in clarity within the final effluent post-flow equalization basins; however, the clarity is improved after passing through the disc filters. The operation strategy is to lower the MLSS to maintain a F:M ratio of 0.06 while ensuring the ammonia effluent discharge concentration remains within the seasonal limit of 2.5 mg/L.

PA DEP

No activity

Pennoni Associates

Continued to provide for the Chapter 94 report.

Significant Rainfall

During February, there were seven (7) days when rainfall. There were events where the rainfall exceeded 0.5 inches in 24 hours.

The total rainfall for the month of February was a total 1.78 inches.

Chemical Usage:

February 2023		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	271	8,400
Aluminium Sulfate solution, gal	75.4	2,112
Sludge Dewatering, gal*	19,131	401,739

*The centrifuge was operated 21 days during the month.

Minor Preventative Maintenance

Flushed chemical feed lines to the SBRs.

Cleaned final effluent weir trough daily

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly

Cleaned buildings and laboratory.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
February 13, 2023

The East Goshen Township Municipal Authority held their regular meeting on Monday, February 13, 2023 at 7:00 pm. at the Township Building. Members in attendance are indicated in

BOLD:

Walter Wujcik, Chairman

Kevin Cummings, Vice Chairman

Dana Pizarro

Jack Yahraes

Carmen Battavio

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

COMMON ACRONYMS:

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.

He asked for a moment of silence for our Eagles, troops and First Responders.

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

Chairman's Report

1. Kevin mentioned that he and Walter attended the Annual Planning Session on January 31, 2023. He presented the accomplishments for 2022 and the goals for 2023. He thanked Walter for writing the goals so he could present them.

2. Kevin welcomed the Authority's new member Carmen Battavio and mentioned that his official position is Assistant Secretary/Treasurer.

3. Dana and Walter met with the auditors and Mike Lynch. Mike explained what was discussed.

4. Dana and Dave Ware are working on the next newsletter article about the increase in fees. Some acquisitions by Aqua made sewer rates increase 90-100%. Mike L. commented that when East Bradford sold to Aqua assignments were discussed. Patrick will look at the MA contract with West Goshen. Mike E. commented that most contracts have a 3 year agreement for fees. Dana will send a copy of the article to the Authority members.

SEWER REPORTS

1. Director of Public Works, Mark Miller's report for February 13, 2023

Monthly Flows – The average daily flow to West Goshen was 814,520 per day. The increase in this flow was discussed.

Meters: The meters were read on a daily basis with no problems to report.

C.C. Collection: All pump stations were visited on a daily basis. We cleaned and televised 25,450 LF of sanitary sewer in Quad 4, which is most of Ashbridge Farms. The lines were in very good condition. We had five laterals that were taking in water. They were hand dug and repaired. We also installed a dozen sewer caps. We did not have any problems with the system. We also televised an additional 2400 LF of pipe in Waterview and Milltown. We found three infiltration locations at the manhole. They have all been repaired.

C.C. Interceptor: We began plugging and televising the 21" line from Baldwin Drive down to the reservoir which is 3000 LF of pipe. We located several significant infiltration leaks. The following repairs have been done:

- * 18 Reservoir Road, two laterals. We excavated and found SDR pipe tees were broken.
- * 20 Reservoir Road. The lateral off the main SDR pipe tee split.

Remaining Repairs:

The following manholes are leaking: C031, C033, C034, C036.

We also have three joints leaking and three laterals where they tie into the main are leaking.

We need to camera the creek crossing at Reservoir Road.

R.C. Collection: The pump stations were visited on a daily basis and routine maintenance was done. The contractor has started laying pipe on the Hershey Mill Trunk line.

Ridley Creek Plant: Public Works assisted with loading soda ash. We also performed routine maintenance by cleaning and sealing the concrete floors.

Alarms: We responded to 11 alarms for January.

PA 1 Calls: We responded to over 60 PA One Calls for the month of January.

Monthly Rainfall: 4.95 inches of rain for the month of January.

Lateral Repairs or Caps: We had eight lateral repairs and 12 caps replaced in January.

2. Pennoni Engineer's Report dated February 9, 2023

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – No activity by Pennoni since our last report. We will provide assistance as needed during the Township's construction of the system.
- UV Disinfection System – We responded to Glasco on questions regarding minor modifications to the UV fabrication design. The system is being fabricated, and delivery was expected in late February or early March 2023. We will request an updated schedule from Glasco and request if delivery can be rescheduled to April-May timeframe per the schedule below.

We continued preparation of the mechanical and electrical construction bid document including a field scoping meeting for electric work with a contractor. The tentative schedule follows:

- Bid Advertisement – late February
- Bids Due – late March
- Award Consideration – April 10, 2023 at the Municipal Authority Meeting
- Generator #2 Replacement – We obtained CoStars pricing from Premium Power Services for a Cummins' 500 kW and 600 kW diesel generators. The 500 kW was recommended as it is the same size as the existing generator, and no additional loads are projected to necessitate an increased size. The 500 kW unit, ATS, and supporting equipment was ordered, and we are awaiting shop drawings for review. The lead times on the generator and ATS are 43 weeks and 22 weeks respectively.
- Operating Cost Analysis – As requested by the MA, we are evaluating the operating costs of the RCSTP in an effort to benchmark against other WWTP's. Dave Ware has provided financial data that we will analyze, and we will provide our observations upon completion of the analysis.

Westtown Way Pump Station

- No update since our last report.

Sanitary Sewer Pipe Rehab

- Supplee Valley – We have updated the construction scope and construction cost estimate for pipe lining the remainder of the asbestos cement sewers in the neighborhood and will submit to the Township for review. We anticipate bidding the project in March 2023 with construction in mid-2023.
- Hershey's Mill Estates – We reviewed additional shop drawings, coordinated with the Township to purchase additional piping and fittings, and provided additional pre-construction and construction coordination assistance.

The contractor, Joao & Bradley, mobilized on January 16. Erosion and sediment controls have been installed, and they started pipe installation at the downstream end on February 8. They constructed the first pipe run of approximately 224 LF and a manhole replacement the first day. We are performing nearly full-time inspection during the pipe installation work.

We also prepared a PADEP GP-8 permit application for the additional wetland crossing at the upstream end of the project site to allow for additional construction access off of Tanglewood Drive and are awaiting their direction. The permit application is being coordinated with Township for electronic submission to PADE.

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

Chester Creek Interceptor – Mark provided TV videos of the recent cleaning and televising of the downstream end of the interceptor that we will review to evaluate need for repairs.

Mike commented that in Hershey Mill they are laying about 175 ft/day of pipe in the ground. They got through the wettest part. Matt is there most of the time. Mike explained what is involved. The new pipe is more rigid. Mark M. notifies the development's president of progress each week. They will run dewatering pumps 24/7.

New Connections

- 301 Reservoir Road – No activity by Pennoni since our last report.
- 1671 and 1681 Strasburg Road – We prepared a study to evaluate extension of public sewer that is submitted under separate cover.

Chapter 94 Reports

- We have begun preparation of the 2022 reports for the Ridley Creek, Chester Creek (West Goshen), and Westtown systems.

3. Big Fish Environmental Services –

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for January 2023. All supplemental reports were submitted for the month of December with the eDMR. Discharge to the Applebrook irrigation lagoon remains offline. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes were slightly increased to a daily average of 74.4 as compared to the previous month at 72.6 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. Sludge dewatering continues at around 524,613 gallons or more per month. There were no odor complaints during the month.

Approval of Minutes

The minutes of the January 9, 2023 meeting were approved as amended.

Approval of Invoices

1. Jack moved to approve payment of the following invoices that were already paid:

- a. Exeter Supply Co Invoice #371365 \$ 5,025.79 (paid)
- b. Exeter Supply Co Invoice #371359 \$ 2,642.00 (paid)
- c. Excelsior Blower Systems Invoice #0912367-IN \$ 5,221.00 (paid)

Walter seconded the motion. The motion passed unanimously.

2. Dana moved to approve payment of the following Pennoni invoices:

- a. Pennoni Invoice #1155970 \$8,690.50
- b. Pennoni Invoice #1155971 \$2,294.00

Walter seconded the motion. The motion passed unanimously.

1
2
3 **Liaison Reports**

4 1. Conservancy Board - Walter mentioned that Keep East Goshen Beautiful Day will be April 22,
5 2023. The Board approved the landscape plan for Applebrook maintenance facility.

6 2. BOS – Mike L. mentioned that the BOS has scheduled a hearing for Applebrook. Milltown Dam
7 project – The DCNR has one grant for \$500,000. They are trying to get an extension because of the
8 delay of PA permits. When we go to bid, they expect to get a better price than initially anticipated.
9 Dana pointed out that the MS4 was an original concern.

10
11 **Financial Reports**

12 Dave presented the following report:

13 In January 2023, the Municipal Authority recorded \$80,014 in revenues (primarily from Sewer
14 Operating and Sewer Capital Reserve transfers) and \$76,291 in expenses (General Engineering
15 Services, Hershey’s Mill Estates Sewer engineering costs, caustic soda engineering, UV engineering
16 and capital costs at the Ridley Creek Sanitary Treatment Plant) for a net result of operations of
17 \$3,723. As of January 31, 2023 the fund balance was \$8,895.

18
19 **Old Business**

20 1. Westtown Way Pump Station – Mark reported that the generator is installed, PECO has done their
21 work. They are waiting for some equipment.

22
23 **Goals**

24 The Goals were reviewed.

25
26 **New Business**

27 1. East Strasburg Rd. Sewer Extension – Mike E. provided a report. The property owner of 1671 &
28 1681 East Strasburg Road wants a sanitary sewer connection. Mike’s report listed four options, what
29 each option requires, and the estimated cost to the property owners for each option. There are four
30 houses that are not sewered. All others are sewered.

31 2. Maillie Audit – The Maillie letter was reviewed and discussed. Kevin appreciated that Dana and
32 Walter have met with Maillie consultants. Dana moved to approve the Maillie proposal for audit cost
33 of \$10,500. Jack seconded the motion. The motion passed unanimously. Kevin signed the
34 agreement letter.

35 3. Charter Chase & Goshen Downs – Mark mentioned possibly installing public sewers for these
36 developments. He commented that the new development proposed for 1010 Hershey Mill Rd. will
37 provide an easement for sewer to Goshen Downs. He will continue to work on this.

38
39 **Capacity Requests**

40 None

41
42 **Any Other Matter** –

43 Kevin mentioned that the property at the Historic Area is a mess from people smoking there and just
44 dropping their cigarette butts. Mark M. commented that they built a container for this. He will
45 contact Bellingham to put up signs.

1 **Correspondence-** None

2

3

4 **Public Comment -** None

5

6

7 **Adjournment**

8 There being no further business Carmen moved to adjourn the meeting. Jack seconded the motion.

9 The motion passed unanimously. The meeting was adjourned at 8:20 pm.

10 The next regular meeting will be held on Monday, March 13, 2023 at 7:00 pm.

11

12 Respectfully submitted,

13

14

15 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 : 1158745
Invoice Date : 03/06/2023
Project : EGMAU20004
Project Name : RCSTP Caustic Soda
Conversion

For Services Rendered Through 02/12/2023

Completed design and coordination for additional anti-siphon valves, expansion fittings, and pipe labeling as requested by "certified installer".

Phase Code / Name		Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting		\$26,500.00	\$23,057.79	100.00%	\$26,500.00	\$3,442.21
02 -- Construction Phase Services	est.	\$5,400.00	\$689.50		\$1,391.50	\$702.00
Total :		\$31,900.00	\$23,747.29		\$27,891.50	\$4,144.21

Phase: 02 -- Construction Phase Services

Labor


Class	Hours	Rate	Amount
Authority Engineer	2.00	141.00	282.00
Associate Professional	4.00	105.00	420.00
Labor			702.00

Phase Subtotal

\$702.00

Amount Due This Invoice

\$4,144.21

 3/7/23

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

West Goshen RCSTP Caustic Soda Conversion

EGMAU20004 Invoice Summary

Invoice Date 3/6/2023

Project: EGMAU20004
Pennoni Job No.: RCSTP Caustic Soda Conversion
Invoice No: **1158745**
Invoice Period: 1/16/2023 to 2/12/2023
Initial Authorization: \$ 31,900.00 **Date:** 3/6/2023
Contract Amount: \$ 31,900.00
Previously Invoiced: \$ 23,747.29
Current Invoice: \$ 4,144.21
Invoiced to Date (\$): \$ 27,891.50
Invoiced to Date (%): 87%
Remaining Budget (\$): \$ 4,008.50
Remaining Budget (%): 13%

Budget by Phase:

Phase Name: RCSTP Caustic Soda Conversion
Phase Budget: \$ 31,900.00
Previously Invoiced: \$ 23,747.29
Current Invoice: \$ 4,144.21
Invoiced to Date (\$): \$ 27,891.50
Invoiced to Date (%): 87%
Remaining Budget (\$): \$ 4,008.50
Remaining Budget (%): 13%

Comments: Completed design and coordination for additional anti-siphon valves, expansion fittings, and pipe labeling as requested be "certified installer".



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 : 1158746
Invoice Date : 03/06/2023
Project : EGMAU21004
Project Name : HM Estates Sewer
Design & Permitting

For Services Rendered Through 02/12/2023

Construction Admin & Inspections: Issued Notice to Proceed with Construction; reviewed construction submittals; calculated estimated design stone quantities for monitoring purposes; coordinated with Township for purchase of additional quantities of pipe materials; monitored stone delivery quantities during construction; finalized and submitted GP-8 permit application to PADEP for additional wetlands crossing; construction schedule coordination; responded to contractor's RFIs; and performed daily on-site construction observation for mobilization and site preparation from 1/16/2023 thru 2/7/2023 and for sewer pipe and manhole construction from 2/8/2023 thru 2/10/2023.

Phase Code / Name		Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Wetland & Watercourse Investigation		\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
02 -- Phase I Bog Turtle Habitat Assessment		\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
03 -- Survey		\$17,200.00	\$17,200.00	100.00%	\$17,200.00	\$0.00
04 -- Design		\$26,100.00	\$26,100.00	100.00%	\$26,100.00	\$0.00
05 -- Permitting		\$8,000.00	\$8,000.00	100.00%	\$8,000.00	\$0.00
06 -- Property Line Stakeout	est.	\$5,000.00	\$7,520.50		\$7,520.50	\$0.00
07 -- Geotechnical	NTE	\$10,000.00	\$6,271.25	62.71%	\$6,271.25	\$0.00
08 -- Bid Assistance	NTE	\$9,690.50	\$9,690.50	100.00%	\$9,690.50	\$0.00
09 -- Construction Admin & Inspection	NTE	\$60,000.00	\$10,076.50	28.36%	\$17,013.25	\$6,936.75
Total :		\$149,490.50	\$98,358.75		\$105,295.50	\$6,936.75

Phase: 09 -- Construction Admin & Inspection

Labor

Class	Hours	Rate	Amount
Authority Engineer	3.50	149.00	521.50
Staff Professional	0.75	117.00	87.75
Associate Professional	23.75	111.00	2,636.25
Sr. Eng Tech	41.50	107.00	4,440.50

Labor

7,686.00

Phase Subtotal

\$6,936.75

Amount Due This Invoice

\$6,936.75

Outstanding Invoices

Number	Date	Balance
1150405	12/29/2022	2,951.60

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	EGMAU21004	HM Estates Sewer Design & Permitting	Invoice	1158746
	1155970	2/9/2023	8,690.50	
	Total		11,642.10	

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

West Goshen HM Estates Sewer Design Permitting

EGMAU21004 Invoice Summary

Invoice Date 3/6/2023

Project:	EGMAU21004		
Pennoni Job No.:	HM Estates Sewer Design & Permitting		
Invoice No:	1158746		
Invoice Period:	1/16/2023	to	2/12/2023
Initial Authorization:	\$ 64,800.00	Date:	3/6/2023
Contract Amount:	\$ 149,490.50		
Previously Invoiced:	\$ 98,358.78		
Current Invoice:	\$ 6,936.75		
Invoiced to Date (\$):	\$ 105,295.53		
Invoiced to Date (%):	70%		
Remaining Budget (\$):	\$ 44,194.98		
Remaining Budget (%):	30%		

Budget by Phase:

Phase Name:	HM Estates Sewer Design & Permitting		
Phase Budget:	\$ 149,490.50		
Previously Invoiced:	\$ 98,358.78		
Current Invoice:	\$ 6,936.75		
Invoiced to Date (\$):	\$ 105,295.53		
Invoiced to Date (%):	70%		
Remaining Budget (\$):	\$ 44,194.98		
Remaining Budget (%):	30%		

Comments: Construction Admin & Inspections: Issued Notice to Proceed with Construction; reviewed construction submittals; calculated estimated design stone quantities for monitoring purposes; coordinated with Township for purchase of additional quantities of pipe materials; monitored stone delivery quantities during construction; finalized and submitted GP-8 permit application to PADEP for additional wetlands crossing; construction schedule coordination; responded to contractor's RFIs; and performed daily on-site construction observation for mobilization and site preparation from 1/16/2023 thru 2/7/2023 and for sewer pipe and manhole construction from 2/8/2023 thru 2/10/2023.



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 : 1158747
Invoice Date : 03/06/2023
Project : EGMAU23001
Project Name : 2023 General
Services

For Services Rendered Through 02/12/2023

February Engineer's Report; reviewed February RCSTP operator's report; performed and submitted sewer extension study for Spring House Ln and E. Strasburg Rd; cursory review of 1712 E. Boot Rd sewer connection request; obtained CoStars vendor quotes for RCSTP Generator #2 replacement and coordinated with Township on sizing and selection of generator; preliminary design for the generator replacement; and coordinated with contractor for installation of spot repair liners on leaking sewer main on Reservoir Rd.

Billing Limits	Current	Prior	To-Date
Total Billings	3,482.75	2,294.00	5,776.75
Limit			30,000.00
Remaining			24,223.25

Labor

	Hours	Rate	Amount
Authority Engineer	5.00	149.00	745.00
Senior Professional	7.00	145.00	1,015.00
Associate Professional	.75	111.00	83.25
Graduate Professional	14.50	102.00	1,479.00
Sr. Eng Tech	1.50	107.00	160.50
Totals	28.75		3,482.75
Total Labor			3,482.75
Total this Invoice			<u>\$3,482.75</u>

Outstanding Invoices

Number	Date	Balance
1155971	2/9/2023	2,294.00
Total		2,294.00

 3/7/23

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

2023 General Services
EGMAU23001 Invoice Summary
Invoice Date 3/6/2023

Project:	EGMAU23001		
Pennonni Job No.:	2023 General Services		
Invoice No:	1158747		
Invoice Period:	1/16/2023	to	2/12/2023
Initial Authorization:	\$ 30,000.00	Date:	3/6/2023
Contract Amount:	\$ 30,000.00		
Previously Invoiced:	\$ 2,294.00		
Current Invoice:	\$ 3,482.75		
Invoiced to Date (\$):	\$ 5,776.75		
Invoiced to Date (%):	19%		
Remaining Budget (\$):	\$ 24,223.25		
Remaining Budget (%):	81%		

Budget by Phase:

Phase Name:	2023 General Services		
Phase Budget:	\$ 30,000.00		
Previously Invoiced:	\$ 2,294.00		
Current Invoice:	\$ 3,482.75		
Invoiced to Date (\$):	\$ 5,776.75		
Invoiced to Date (%):	19%		
Remaining Budget (\$):	\$ 24,223.25		
Remaining Budget (%):	81%		

Comments: February Engineer's Report; reviewed February RCSTP operator's report; performed and submitted sewer extension study for Spring House Ln and E. Strasburg Rd; cursory review of 1712 E. Boot Rd sewer connection request; obtained CoStars vendor quotes for RCSTP Generator #2 replacement and coordinated with Township on sizing and selection of generator; preliminary design for the generator replacement; and coordinated with contractor for installation of spot repair liners on leaking sewer main on Reservoir Rd.



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 : 1158748
Invoice Date : 03/06/2023
Project : EGMAU23002
Project Name : 2022 Chapter 94
Reports

For Services Rendered Through 02/12/2023

Initiated preparation of Chapter 94 reports

Billing Limits	Current	Prior	To-Date
Total Billings	2,246.00	0.00	2,246.00
Limit			30,000.00
Remaining			27,754.00

Labor

	Hours	Rate	Amount
Authority Engineer	.25	149.00	37.25
Staff Professional	2.75	117.00	321.75
Associate Professional	17.00	111.00	1,887.00
Totals	20.00		2,246.00
Total Labor			2,246.00

Total this Invoice **\$2,246.00**

[Signature] 3/7/23

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

2022 Chapter 94 Reports
EGMAU23002Invoice Summary
Invoice Date 3/6/2023

Project: EGMAU23002
Pennoni Job No.: 2022 Chapter 94 Reports
Invoice No: 1158748
Invoice Period: 1/16/2023 to 2/12/2023
Initial Authorization: \$ 30,000.00 **Date:** 3/6/2023
Contract Amount: \$ 30,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 2,246.00
Invoiced to Date (\$): \$ 2,246.00
Invoiced to Date (%): 7%
Remaining Budget (\$): \$ 27,754.00
Remaining Budget (%): 93%

Budget by Phase:

Phase Name: 2022 Chapter 94 Reports
Phase Budget: \$ 30,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 2,246.00
Invoiced to Date (\$): \$ 2,246.00
Invoiced to Date (%): 7%
Remaining Budget (\$): \$ 27,754.00
Remaining Budget (%): 93%

Comments: Initiated preparation of Chapter 94 Reports.



Gawthrop Greenwood, PC
Attorneys at Law

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

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

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
02/09/2023
Client No: 6604-001M
Invoice No: 268729

PAID

General Authority Services

Fees


		Hours	
01/04/2023			
PMM	Email from M. Miller regarding conference call about Hershey's Mill.	0.20	41.00
01/05/2023			
PMM	Telephone conference with M. Miller regarding site visit for Hershey's Mill.	0.20	41.00
01/06/2023			
PMM	Email from S. Smith with meeting agenda.	0.20	41.00
01/09/2023			
EBK	Review and analyze meeting materials in preparation for meeting;	2.30	460.00
	attend meeting		
	For Current Services Rendered	2.90	583.00
Recapitulation			
<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>
Patrick M. McKenna		0.60	\$205.00
Ellen Koopman		2.30	200.00
			Total
			\$123.00
			460.00

Previous Balance

\$620.00

Total Current Charges

583.00


3/7/23

East Goshen Municipal Authority

General Authority Services

Page: 2

02/09/2023

Client No: 6604-001M

Invoice No. 268729

Balance Due

\$1,203.00

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



Gawthrop Greenwood, PC
Attorneys at Law

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

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West Chester, PA 19381-0562

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East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
02/28/2023
Client No: 6604-001M
Invoice No. 269208

General Authority Services

Fees

		Hours	
02/10/2023			
PMM	Email from L. Werkheiser with meeting materials; Review and analyze meeting materials in preparation for meeting.	0.60	123.00
02/13/2023			
PMM	Attend Authority Board meeting.	1.30	266.50
	For Current Services Rendered	1.90	389.50

Timekeeper	Recapitulation	Hours	Hourly Rate	Total
Patrick M. McKenna		1.90	\$205.00	\$389.50

Previous Balance	\$583 PAID	\$1,203.00
Total Current Charges		389.50
Balance Due		\$1,592.50

3/1/23

PAY!
APPROVE
THIS

AMOUNT.

\$1,009.50

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.

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

Date: 1/31/2023
Invoice Number: 92230
Client: 2500.000
Due Date: Upon Receipt

Progress billing on December 31, 2022 audit

Invoice Total: \$1,793.00

PAID

APPROVED BY: 

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07-424-3110

Please return this portion with payment.

ID: 2500
East Goshen Municipal Authority

Date: 1/31/2023
Due Date: Upon Receipt

Invoice: 92230
Amount Due: \$1,793.00

Amount Enclosed: \$ _____

Please make checks payable to Maillie LLP.

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

February 21, 2023

Maillie LLP
500 N. Lewis Road
Limerick, PA 19468

This representation letter is provided in connection with your audit of the basic financial statements of East Goshen Municipal Authority (a component unit of East Goshen Township) as of December 31, 2022, and for the year then ended, and the related notes to the financial statements, for the purpose of expressing an opinion on whether the financial statements are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP).

Certain representations in this letter are described as being limited to matters that are material. Items are considered material, regardless of size, if they involve an omission or misstatement of accounting information such that, in the light of surrounding circumstances, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

We confirm, to the best of our knowledge and belief, having made such inquiries as we considered necessary for the purpose of appropriately informing ourselves as of February 21, 2023.

FINANCIAL STATEMENTS

- We have fulfilled our responsibilities, as set out in the terms of the audit engagement letter dated January 16, 2023, for the preparation and fair presentation of the financial statements referred to above in accordance with U.S. GAAP.
- The financial statements referred to above have been fairly presented in accordance with U.S. GAAP and include all properly classified funds, required supplementary information, and notes to the basic financial statements.
- We acknowledge our responsibility for the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.
- We acknowledge our responsibility for the design, implementation and maintenance of internal control to prevent and detect fraud.

- We acknowledge our responsibility for compliance with the laws, regulations, and provisions of contracts and grant agreements.
- We have reviewed, approved and taken responsibility for the financial statements and related notes.
- Significant assumptions used by us in making accounting estimates, including those measured at fair value, are reasonable.
- All related-party relationships and transactions have been appropriately accounted for and disclosed in accordance with the requirements of GAAP.
- All events subsequent to the date of the financial statements and for which GAAP requires adjustment or disclosure have been adjusted or disclosed.
- There were no uncorrected misstatements.
- The effects of all known actual or possible litigation and claims have been accounted for and disclosed in accordance with U.S. GAAP.
- All component units, as well as joint ventures with an equity interest, are included and other joint ventures and related organizations are properly disclosed.
- All funds and activities are properly classified.
- All funds that meet the quantitative criteria in GASB Statement No. 34, *Basic Financial Statements--and Management's Discussion and Analysis--for State and Local Governments*, and GASB Statement No. 37, *Basic Financial Statements--and Management's Discussion and Analysis--for State and Local Governments: Omnibus*, for presentation as major are identified and presented as such and all other funds that are presented as major are considered important to financial statement users.
- All components of net position, nonspendable fund balance, and restricted, committed, assigned, and unassigned fund balance are properly classified and, if applicable, approved.
- The entity's policy regarding whether to first apply restricted or unrestricted resources when an expense is incurred for purposes for which both restricted and unrestricted net position/fund balance are available is appropriately disclosed and net position/fund balance is properly recognized under the policy.
- All revenues within the statement of activities have been properly classified as program revenues, general revenues, contributions to term or permanent endowments, or contributions to permanent fund principal.
- All expenses have been properly classified in or allocated to functions and programs in the statement of activities, and allocations, if any, have been made on a reasonable basis.
- All interfund and intra-entity transactions and balances have been properly classified and reported.
- Special items and extraordinary items have been properly classified and reported.

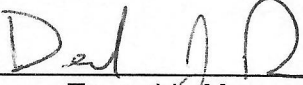
- Deposit and investment risks have been properly and fully disclosed.
- Capital assets, including infrastructure assets, are properly capitalized, reported and, if applicable, depreciated.
- All required supplementary information is measured and presented within the prescribed guidelines.
- Nonexchange and exchange financial guarantees, either written or oral, under which it is more likely than not that a liability exists have been properly recorded, or if we are obligated in any manner, are disclosed.
- With respect to the implementation of GASB 87 "Leases":
 - Management has disclosed that it has performed a comprehensive inventory of its existing contracts for potential impacts of GASB 87.
- With respect to preparation of financial statements based on your trial balances, preparation of the concise financial statement and preparation of the Commonwealth of Pennsylvania Department of Community and Economic Development Annual Report of Municipal Authorities, we have performed the following:
 - Made all management decisions and performed all management functions;
 - Assigned a competent individual to oversee the services;
 - Evaluated the adequacy of the services performed;
 - Evaluated and accepted responsibility for the result of the service performed; and
 - Established and maintained internal controls, including monitoring ongoing activities.
- With respect to the supplementary information accompanying the financial statements:
 - We acknowledge our responsibility for the presentation of the supplementary information in accordance with accounting principles generally accepted in the United States of America.
 - We believe the supplementary information, including its form and content, is fairly presented in accordance with accounting principles generally accepted in the United States of America.
 - The methods of measurement or presentation have not changed from those used in the prior period.
 - We believe the significant assumptions and interpretations underlying the measurement or presentation of the supplementary information, and the basis for our assumptions and interpretations, are reasonable and appropriate in the circumstances.
 - When the supplementary information is not presented with the audited financial statements, management will make the audited financial statements readily available to the intended users of the supplementary information no later than the date of issuance by the entity of the supplementary information and the auditors' report thereon.

INFORMATION PROVIDED


- We have provided you with:
 - Access to all information, of which we are aware, that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation and other matters;
 - Additional information that you have requested from us for the purpose of the audit; and
 - Unrestricted access to persons within the entity from whom you determined it necessary to obtain audit evidence.
- All transactions have been recorded in the accounting records and are reflected in the financial statements.
- We have disclosed to you the results of our assessment of the risk that the financial statements may be materially misstated as a result of fraud.
- We have provided to you our analysis of the entity's ability to continue as a going concern, including significant conditions and events present, and if necessary, our analysis of management's plans, and our ability to achieve those plans.
- We have no knowledge of any fraud or suspected fraud that affects the entity and involves:
 - Management;
 - Employees who have significant roles in internal control; or
 - Others when the fraud could have a material effect on the financial statements.
- We have no knowledge of any allegations of fraud, or suspected fraud, affecting the entity's financial statements communicated by employees, former employees, vendors (contractors), regulators, or others.
- We have no knowledge of any instances that have occurred, or are likely to have occurred, of fraud and noncompliance with provisions of laws and regulations that have a material effect on the financial statements or other financial data significant to the audit objectives, and any other instances that warrant the attention of those charged with governance, whether communicated by employees, former employees, vendors, regulators, or others.
- We have no knowledge of any instances that have occurred or are likely to have occurred, of noncompliance with provisions of contracts and grant agreements that has a material effect on the determination of financial statement amounts or other financial data significant to the audit objectives.
- We are not aware of any pending or threatened litigation, claims, and assessments whose effects should be considered when preparing the financial statements and we have not consulted legal counsel concerning litigation, claims, or assessments.
- We have no knowledge of any instances that have occurred or are likely to have occurred of abuse that could be quantitatively or qualitatively material to the financial statements or other financial data significant to the audit objectives.
- We have taken timely and appropriate steps to remedy fraud, noncompliance with provisions of laws, regulations, contracts, and grant agreements, or abuse that you have reported to us.

- We have a process to track the status of audit findings and recommendations.
- We have identified for you all previous audits, attestation engagements, and other studies related to the audit objectives and whether related recommendations have been implemented.
- We have provided views on your reported audit findings, conclusions, and recommendations, as well as our planned corrective actions, for the report.
- We have disclosed to you the identity of all the entity's related parties and the nature of all the related-party relationships and transactions of which we are aware.
- There have been no communications from regulatory agencies concerning noncompliance with or deficiencies in accounting, internal control or financial reporting practices.
- The entity has no plans or intentions that may materially affect the carrying value or classification of assets and liabilities.
- We have disclosed to you all guarantees, whether written or oral, under which the entity is contingently liable.
- We have disclosed to you all significant estimates and material concentrations known to management that are required to be disclosed in accordance with GASB Statement No. 62 (GASB-62), *Codification of Accounting and Financial Reporting Guidance Contained in Pre-November 30, 1989 FASB and AICPA Pronouncements*. Significant estimates are estimates at the balance sheet date that could change materially within the next year. Concentrations refer to volumes of business, revenues, available sources of supply, or markets or geographic areas for which events could occur that would significantly disrupt normal finances within the next year.
- We have identified and disclosed to you the laws, regulations, and provisions of contracts and grant agreements that could have a direct and material effect on financial statement amounts, including legal and contractual provisions for reporting specific activities in separate funds.
- There are no:
 - Violations or possible violations of laws or regulations, or provisions of contracts or grant agreements whose effects should be considered for disclosure in the financial statements or as a basis for recording a loss contingency, including applicable budget laws and regulations.
 - Unasserted claims or assessments that our lawyer has advised are probable of assertion and must be disclosed in accordance with GASB-62.
 - Other liabilities or gain or loss contingencies that are required to be accrued or disclosed by GASB-62.
 - Continuing disclosure consent decree agreements or filings with the Securities and Exchange Commission and we have filed updates on a timely basis in accordance with the agreements (Rule 240, 15c2-12).
- The entity has satisfactory title to all owned assets, and there are no liens or encumbrances on such assets nor has any asset or future revenue been pledged as collateral, except as disclosed to you.

- We have complied with all aspects of grant agreements and other contractual agreements that would have a material effect on the financial statements in the event of noncompliance.



Township Manager



Finance Director

FYT

From: David Shuey <shuey900@gmail.com>
Sent: Wednesday, February 22, 2023 1:50 PM
To: bsheppardking@gmail.com
Cc: Thomas Beggs; HME residents DL - HME; Patrick McGinn; Mark Miller; Derek Davis
Subject: Re: {Hershey Mill Estates} EGT Sewer Project Update

Brianna,

Thanks so much for your feedback. As a fellow HME resident (1547 Millrace) and also as a Township Supervisor, this is great to hear. I will pass you comments along to our Director of Public Works and to the contractor. This is a major project with lots of messy conditions so we appreciate everybody's patience and understanding. They hope to lay 100 feet of pipe per day but are averaging 200 a day and have targeted the end of March for completion...then site restoration will begin.

David Shuey

On Wed, Feb 22, 2023, 11:17 AM Brianna Sheppard <bsheppardking@gmail.com> wrote:
Hi Tom!

Hoping that this doesn't start any back and forth or drama, just really wanted to thank you, Pat and the township for the project so far.

The contractors just finished in our yard yesterday and I wanted to comment on how impressed we've been with the project and the contractors so far. We've found them to be really respectful of the neighborhood and appreciate that they clean up every day before they knock off. I know they still have plenty more to do that will impact the neighbors, but we've been happily surprised with how smooth it's gone so far.

We're super grateful that the township is doing this proactively and that they chose such a good contractor to do the work. I spent about ten years of my career in utilities contracting and can tell you that not many contractors are as good as this one is.

We really appreciate your and Pat's hard work on this.

Thanks again for everything!

Brianna and Patrick King (1539 Millrace)

Brianna Sheppard King, PE
267.934.9890

On Tue, Feb 7, 2023 at 9:16 PM <tgbeggs@gmail.com> wrote:

To all neighbors,

I spoke earlier today with Mark Miller, EGT Director of Public Works, who is overseeing this major sewer-line rebuild project. Mark had advised that it would be "big" and disruptive to the area, although I'm not sure we fully understood all the details on size of equipment, how much

material storage was needed, etc. But now we can better "see" it! All that said, Mark and EGT have been very open and willing to share information plus continue to reinforce that once the new pipe is laid, they will be working to 'restore' the court area that includes the access drive and surrounding grounds. I will work with the board and other neighbors to define how best to do that. For now, the basic timeline notes are as follows though.

The preparation work on the access road plus 'right of way' in the woods has been completed with protective fencing, drainage barriers and material staging along the way. You can see that this entailed significant effort on the contractor's part and was absolutely necessary to get this work completed. Yes, it did require cutting down some trees and brush areas plus leveling storage locations, too. Initially, they had hoped to start laying pipe (in the ground) by the last week of January or early February. They are slightly behind on that schedule, but should be starting as early as Wednesday, February 8, now. It will take about 30 days overall to complete the pipe placement, so expect the activity to continue for a while yet. This phase of work was always based on a "cold weather" plan and had some contingencies in timing based on how the weather and material orders came together. Mark says that to-date there are NOT any big surprises really.

Once the pipe is laid and connected, there will be a 'restoration' phase of the project by EGT which will be further defined by approval of the HOA. I will be asking some neighbors for their ideas and passing along recommendations to the board. It is still early to be planning much of that as it will become easier to see the area once pipe laying is done and the heavy equipment plus materials are gone. The rough timeline for "restoration" is likely the month of April now and the hope/plan is to have the court area look "better" than ever once completed. This will include putting the stream bridge back in place, regrading for proper drainage, grass reseeding, tree/bush planting and likely some road/parking improvements. We intend for this to be done with concern for the adjacent neighbors' privacy as well as safe access to the area for everyone's use.

Once the sewer line is replaced and the area restored, there is still a plan to resurface the courts (last done in 2008 and overdue). Resurfacing has been approved by the board and is in the budget for 2023. We will be monitoring the sewer project progress for readiness but are tentatively planning to get this done in early May. We cannot start resurfacing which involves cleaning first without a well-draining, restored area being completed.

Finally, we are trying to provide basic information to everyone and minimize the need for Mark Miller (as overseeing PM) to address everyone individually. But Mark has said he is happy to respond to queries and you can email him at mmiller@eastgoshen.org. I would ask that you be respectful of his time. If you want to ask me or Pat first, we will also try to communicate what we know or try to find out. Your patience is appreciated while this very necessary sewer project is completed.

Tom Beggs - HME Sport Court Chair

M# 484-844-3622

--

You received this message because you are subscribed to the Google Groups "Hershey Mill Estates" group.

To unsubscribe from this group and stop receiving emails from it, send an email to hershey-mill-estates+unsubscribe@googlegroups.com.

To view this discussion on the web visit <https://groups.google.com/d/msgid/hershey-mill-estates/01b701d93b63%2463dae030%242b90a090%24%40gmail.com>.

--

Brianna Sheppard King, PE
267.934.9890

--

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To unsubscribe from this group and stop receiving emails from it, send an email to hershey-mill-estates+unsubscribe@googlegroups.com.

To view this discussion on the web visit https://groups.google.com/d/msgid/hershey-mill-estates/CAKet5GJbxi5xr4eQcD-QUdKtYJODzT_NEzeWjEV7QGe%3DaFwx_Eg%40mail.gmail.com.

March 3, 2023

EGMAU21004

Mark Miller
Director of Public Works
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

FYI

**RE: Payment Application #1 Recommendation Letter
Hershey's Mill Estates Sanitary Sewer Replacement, Contract No. HME-2022**

Dear Mr. Miller:

The Contractor, Joao & Bradley Construction Co., Inc., has submitted the first invoice for work completed for the subject project. We have observed the work-in-progress, including sanitary sewer pipe installation, manhole installation, and bypass pumping, and we confirm that the described work has been completed.

We have reviewed the attached Payment Application #1 provided by the Contractor, and we recommend payment in the amount of \$289,859.17. Overall, the contract is 43.57% complete.

If you have any questions, please contact me at your convenience.

Sincerely,

PENNONI ASSOCIATES INC.

A handwritten signature in blue ink, appearing to read "MJ Ellis".

Michael J. Ellis, PE
Associate Vice President

/ela

Enclosures: Application and Certification for Payment #1
Project Quantities Summary Report

cc: Antonio Tavares, Joao & Bradley
Sheila Allman, Joao & Bradley
Dave Ware, Township Finance Director
Derek Davis, Township Manager

APPLICATION AND CERTIFICATE FOR PAYMENT

AIA DOCUMENT G702

TO (Owner):East Goshen Municipal Authority

PROJECT:Hershey's Mill Estates Sanitary Sewer Replacement

APPLICATION NO:1

Distribution to:

☒ OWNER

☒ ENGINEER

☒ CONTRACTOR

ATTENTION:Michael J. Ellis, PE

CONTRACTOR:Joao & Bradley Construction Co., Inc.

ENGINEER'S PROJECT NO:HME-2022

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY				
Change Orders approved in previous months by Owner		ADDITIONS	DEDUCTIONS	
TOTAL				
Approved this Month				
Number	Date Approved			
TOTALS		\$0.00	\$0.00	
Net change by Change Orders			\$0.00	

The undersigned Contractor certifies that to the best of his knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by him for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payments shown herein is now due.

CONTRACTOR: Joao & Bradley Construction Company, Inc.

By:  Date: 3-03-23

The present status of the account for this Contract is as follows:

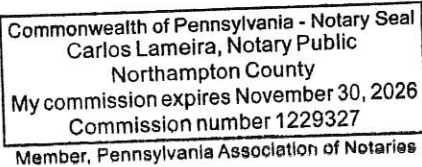
ORIGINAL CONTRACT SUM	\$	739,260.00
Net change by Change Orders	\$	0.00
CONTRACT SUM TO DATE	\$	739,260.00
TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	322,065.75
RETAINAGE 10%	\$	32,206.58
TOTAL EARNED LESS RETAINAGE	\$	289,859.17
LESS PREVIOUS CERTIFICATES FOR PAYMENT	\$	0.00
CURRENT PAYMENT DUE	\$	289,859.17

State of: PENNSYLVANIA County of: NORTHAMPTON

Subscribed and sworn to before me this 3RD OF MARCH, 2023

Notary Public: 

My Commission expires: Nov. 30, 2026



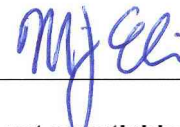
ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Engineer certifies to the Owner that the Work has progressed to the point indicated; that to the best of his knowledge, information and belief the quality of the work is in accordance with the Contract Documents; and that the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 289,859.17

(Attach explanation if amount certified differs from the amount applied for.)

ENGINEER:

By: 

Date: 3/3/2023

This certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

PROJECT OWNER : EAST GOSHEN MUNICIPAL AUTHORITY
PROJECT : HERSHEY'S MILL ESTATES SANITARY SEWER REPLACEMENT
CONTRACTOR : JOAO & BRADLEY CONSTRUCTION CO., INC.

INVOICE NO. : 1
DATE SUBMITTED : 03-Mar-23
PERIOD ENDING : 24-Feb-23
COMPLETION : 27-Apr-23

WORK COMPLETED : 43.57%
TOTAL DAYS ALLOWED : 100
DAYS USED : 38
NOTICE TO PROCEED : 17-Jan-23

ITEM NO.	ITEM DESCRIPTION	BID QUANTITY		BID UNIT PRICE	BID AMOUNT	PRIOR ESTIMATES		INCREASE THIS PERIOD		TOTALS TO DATE	
		QTY.	UNIT			QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	MOB & DEMOB	1	LS	\$20,000.00	\$20,000.00	0.00	\$0.00	0.50	\$10,000.00	0.50	\$10,000.00
2	TREE REMOVAL & SITE PREP	1	LS	30,000.00	30,000.00	0.00	0.00	1.00	30,000.00	1.00	30,000.00
3	E&S	1	LS	65,000.00	65,000.00	0.00	0.00	0.50	32,500.00	0.50	32,500.00
4	DEWATERING	1	LS	10,000.00	10,000.00	0.00	0.00	0.50	5,000.00	0.50	5,000.00
5	NEW MANHOLE	5	EA	5,500.00	27,500.00	0.00	0.00	2.25	12,375.00	2.25	12,375.00
6	REPLACE EXISTING MANHOLE	3	EA	5,700.00	17,100.00	0.00	0.00	2.25	12,825.00	2.25	12,825.00
7	8" C900 - 2A BACKFILL/IMPORT SOIL	453	LF	135.00	61,155.00	0.00	0.00	174.75	23,591.25	174.75	23,591.25
8	8" C900 - SUITABLE BACKFILL	1,938	LF	100.00	193,800.00	0.00	0.00	1,023.75	102,375.00	1,023.75	102,375.00
9	12" C900 - SUITABLE BACKFILL	224	LF	100.00	22,400.00	0.00	0.00	168.00	16,800.00	168.00	16,800.00
10	6" and 8" C900 - LATERALS	250	LF	60.00	15,000.00	0.00	0.00	93.00	5,580.00	93.00	5,580.00
11	REPLACE CLEANOUTS	11	EA	1,900.00	20,900.00	0.00	0.00	4.50	8,550.00	4.50	8,550.00
12	COFFERDAM	1	LS	5,500.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
13	BYPASS PUMPING	1	LS	10,000.00	10,000.00	0.00	0.00	0.50	5,000.00	0.50	5,000.00
14	CONNECT TO EXIST MANHOLE	10	EA	500.00	5,000.00	0.00	0.00	1.00	500.00	1.00	500.00
15	RIP RAP	50	TN	150.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
16	24" HDPE STORM SEWER	35	LF	135.00	4,725.00	0.00	0.00	0.00	0.00	0.00	0.00
17	36" HDPE STORM SEWER	25	LF	140.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
18	SITE RESTORATION	1	LS	70,000.00	70,000.00	0.00	0.00	0.00	0.00	0.00	0.00
19	REPLACE CONCRETE	120	LF	30.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
20	MISC EXCAV	500	CY	25.00	12,500.00	0.00	0.00	118.18	2,954.50	118.18	2,954.50
21	ROCK REMOVAL	25	CY	200.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
22	ABANDON/REMOVE EXIST MANHOLE	1	EA	25,000.00	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00
23	STORM SWR HEADWALL	1	LS	17,000.00	17,000.00	0.00	0.00	0.00	0.00	0.00	0.00
24	TRENCH PLUG	5	EA	800.00	4,000.00	0.00	0.00	3.00	2,400.00	3.00	2,400.00
A1	MANHOLE	6	EA	5,500.00	33,000.00	0.00	0.00	4.50	24,750.00	4.50	24,750.00
A2	DROP MANHOLE - MH R078	1	EA	7,500.00	7,500.00	0.00	0.00	0.75	5,625.00	0.75	5,625.00
A3	8" C900: MH R075 - MH R076	132	LF	100.00	13,200.00	0.00	0.00	99.00	9,900.00	99.00	9,900.00
A4	8" C900: MH R079 - MH R080	144	LF	105.00	15,120.00	0.00	0.00	108.00	11,340.00	108.00	11,340.00
A5	DEDUCT: CONNECT TO EXIST MH	7	EA	-500.00	-3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
A6	6" HDPE STORM SWR PIPE	114	LF	90.00	10,260.00	0.00	0.00	0.00	0.00	0.00	0.00
A7	24" HDPE W/RIPRAP APRON	40	LF	150.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
A8	15" HDPE STORM SWR PIPE	10	LF	150.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL CONTRACT AMOUNT : \$739,260.00 \$0.00 \$322,065.75 \$322,065.75

TOTAL AMOUNT DUE \$322,065.75 \$322,065.75

RETAINAGE 10% \$32,206.58 \$32,206.58

TOTAL LESS RETAINAGE \$289,859.17 \$289,859.17

RELEASED RETAINAGE

LESS PREVIOUS PAYMENTS \$0.00

TOTAL AMOUNT PAYABLE \$289,859.17 \$289,859.17