

**EAST GOSHEN MUNICIPAL AUTHORITY**

**December 12, 2022**

**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. November 14, 2022

5. APPROVAL OF INVOICES

Gawthrop Invoice #266389	\$	500.00
Gawthrop Invoice #265299	\$	420.00 Pd 11/16
Deckman Invoice #4825	\$	4514.00 Pd 11/16
Colonial Elect. Invoice #14850138	\$	450.27 Pd 11/16
Yale Elect. Invoice #S121654188.001	\$	96.91 Pd 11/16

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. November Financial Report

8. OLD BUSINESS

- a. Hershey Mill Trunk Line

9. 2022 Goals:

Goal	Status
Ridley Creek Plant Compliance	January, February, March, April, May, June, July, August, September, October and November were in compliance and met all requirements *Note DEP Annual Insp.
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station	On – going
Continue to Implement Infiltration and Inflow for the Sewer System	On-going
Caustic Soda Project	Tank has been delivered awaiting PA DEP approval once installed.
Replace sewer line Hershey Mill Estate trunk line replacement	Bid documents finalized. Bid advertised Nov. 1, bids due Dec. 5 <sup>th</sup> if grant application is approved.
Three new meters for Ridley Creek Collection	Hibberd Lane was installed 2021 RCSTP influent flow meter replacement 2022 Blacksmith Shop (2023) Line Road - Deferred

10. NEW BUSINESS

- a. Sewer Availability Letter from Commonwealth Engineers
- b. Fee schedule for 2023 from Pennoni

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: December 12, 2022 Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 658,909 per day.

**Meters:** The meters were read on a daily basis. We had the meters calibrated on November 21, 2022, there are no adjustments done. It was noted that three of the meters need transducer brackets replaced.

**C.C. Collection:** All pump stations were visited on a daily basis, the wet wells were washed down and the FOG rods were cleaned. We did get a call for a sewer backup at Ellis Lane however; the problem was on the homeowner's side of the sewer.

**C.C. Interceptor:**

**R.C. Collection:** The pump stations were visited on a daily basis; the wet wells were cleaned. We did respond to four alarms due to power outages. The generators ran and kept the stations in service.

**Ridley Creek Plant:** We have started work on the caustic soda system; the pump table was built in the shop and taken down to the plant to be put in place. Lenni Electric has been running the ridge conduit for the alarms and power for the pumps. They also installed additional conduit for some of the communication lines that Verizon installed. We had a problem on December 1 when a limb came in contact with a high voltage line; PECO was on location when the line dropped. We had to call Lenni in to throw the disconnect 33KV switch. Once power was installed, Lenni threw the switch and we brought the plant back on line. Kevin is setting up the schedule to clean the main trunk line from the new meter pit into the screen room. John Laidley will be on hand so he can zero out the new flow meter.

We have started clearing the lay down area at the Hershey Mill sewer project. Stumps were excavated and the soil was hauled out. Millings were hauled in and a level area was constructed.


**Alarms:** We responded to 22 alarms for November.

**PA 1 Calls:** We responded to over 35 PA One Calls for the month November.

**Monthly Rainfall:** 3.15 inches of rain for the month of November.

**Lateral repairs or Caps:** We had nine cleanout repairs for November.





Sanitary Sewer in  
the Ridley Creek.  
This was caused by  
Hurricane IDA.

Crew encased pipe  
in concrete.

Hand digging  
around Sanitary sewer






PW crew exposing  
Sanitary Sewer









Pipe encased in  
concrete.





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121 Continental Drive, Suite 207  
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[www.pennoni.com](http://www.pennoni.com)

**EAST GOSHEN MUNICIPAL AUTHORITY  
ENGINEER'S REPORT  
December 9, 2022**

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

- Caustic Soda Conversion – We are prepared to assist the PW Department with construction layout for the concrete pad and installation work, if needed. We obtained the attached cost quote from a PADEP “certified installer” for inspection and sign-off of the PADEP bulk tank permit application as the system is installed by the PWD. The permit application will be submitted to PADEP after installation with the certified installer’s certification. We are also setting up a meeting with the operator to determine the alarm needs for the caustic system (i.e. leak detection, liquid level, chemical feed pump failure, etc.).
- UV Disinfection System – The system is being fabricated by Glasco, and delivery is expected in late February or early March 2023.

The bidding and contracting schedule for the mechanical and electrical work remains dependent on the notification of awards for the Commonwealth Financing Authority (CFA) Local Share Account (LSA) grants. Those awards had been expected to occur in November, but the funding agency, PA DCED, informed us that the awards will now occur in January at the earliest, but it could be later than that.

The MA authorized bidding at the November MA meeting with the intention to advertise the solicitations in early December. However, we now propose to extend the advertisement to occur when the CFA’s public meeting schedule to make the LSA awards is announced. The UV solicitations can then be advertised approximately one month in advance of the CFA meeting so that UV bids will be received and can be awarded right after the CFA meeting. The tentative revised bidding schedule follows, based upon the CFA meeting occurring in late January:

- Bid Advertisement – late December/early January
- Bids Due – late January/early February
- Award Consideration – February 13, 2023 at the Municipal Authority Meeting
- Generator #2 Replacement – We are continuing with design and coordination with vendors on pricing for various size generators.

**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 January 2023 with construction in early 2023.
- Hershey’s Mill Estates – We administered the bidding process including responding to prospective bidders’ questions, conducting two on-site pre-bid meetings, re-designing portions of the access routes and sewer alignment based upon the site meetings, adding storm sewer replacement scope, coordinating for pre-construction site clearing and site preparation by the Township, preparing and issuing Addendum #1 consisting of a new plan set and updated specification sections, and conducting

bid opening. Bids were received on December 8, and an unofficial bid tabulation is attached. We are preparing an official bid tabulation and reviewing bid documents, and we will confirm the bid and scope with the low bidder and also check references in order to make an award recommendation.

If the CFA LSA grant award meeting is scheduled to occur in January, we will recommend award at the January MA meeting conditioned that the contract cannot be executed/signed until after the CFA meeting since that grant requires that contracts not be signed or Notice to Proceed (NTP) issued until after grant awards are made. PA DCED confirmed that the contract can be signed and NTP issued immediately after the CFA meeting so we do not have to wait several months for the subsequent grant agreement to be provided and executed, if the grant is awarded.

If the CFA meeting is not scheduled in January, we can discuss with the low bidder about extending the contract award timeframe beyond the 60 days that is provided in the bid document, in which case award consideration would then be projected to occur at the February MA meeting.

- 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.

#### **I&I Program**

- No activity since our last report.

#### **New Connections**

- 301 Reservoir Road – We provided alternatives to the developer's design engineer for potential public sewer connection locations for the proposed 5-lot subdivision.

#### **Industrial Pretreatment Ordinance**

- No activity since our last report. As discussed at the May 2021 MA meeting, a headworks study with sampling at the RCSTP can be conducted to set contaminant limits.

END OF REPORT

# Data Design Services II, Inc.

319 Exton Commons  
Exton, PA 19341  
[www.datadesignsvcs.com](http://www.datadesignsvcs.com)

610-524-6357 Phone  
610-524-6359 Fax  
484-459-8175 Cell  
[Jim.Wood@datadesignsvcs.com](mailto:Jim.Wood@datadesignsvcs.com) Email

**Quotation #:** 20220982

November 23, 2022

**To:** Pennoni Associates  
121 Continental Drive Suite 207  
Newark, DE 19713  
Attn: Erika Addison  
302-351-5263  
[eaddison@pennoni.com](mailto:eaddison@pennoni.com)

**Please Address Purchase Order to:**  
**Data Design Services II, Inc.**  
**319 Exton Commons**  
**Exton, PA 19341**  
**[orders@datadesignsvcs.com](mailto:orders@datadesignsvcs.com)**

**F.O.B.:**

Jobsite

**Terms:**

TBD – see note 3

**Estimated Shipping Date:**

TBD

**REF: TANK REGISTRATION**

In request for a PO for this tank registration we are pleased to quote the following:

**Item #1:** **PENNSYLVANIA TANK CERTIFICATION (1 DAY, 1 TANK)**

**Daily Rate:** \$850.00 / DAY

**Mileage to and from site:** \$10.00 (5 Miles each way)  
(\$1.00 / PER MILE x 10 MILES)

**Tank Registration:** \$385.00 / PER TANK

**TOTAL:** **\$1,245.00**

**NOTES:**

1. This quotation is valid for 30 days.
2. Quoted pricing DOES NOT INCLUDE any state or local taxes. Customer must submit proper tax exemption certificate with order. If not submitted, customer is responsible for all applicable state, local, or other taxes and/or fees.
3. **RE:** **CREDIT** - Data Design Services, Inc. offers credit terms upon receipt and review of your credit information, to include current creditor contacts (with phone & fax numbers) and bank information.
  - Data Design Services, Inc. reserves the right to request initial and/or progress payments; initial orders may require a down-payment
  - Data Design Services, Inc. reserves the right to refuse credit offering due to unsatisfactory and/or incomplete credit submittal information
  - Data Design Services, Inc. reserves the right to re-invoice for interest/penalty charges if not paid in a timely fashion
4. Interest at the rate of 1-1/2% per month will be charged for invoices past 45 days old.
5. Please address your Purchase Order to:

**Data Design Services II, Inc.**  
**319 Exton Commons**  
**Exton, PA 19341**  
**[orders@datadesignsvcs.com](mailto:orders@datadesignsvcs.com)**

[www.datadesignsvcs.com](http://www.datadesignsvcs.com)

6. Unless expressly stated herein, nothing is to be considered to be inferred or implied.

Thank you for the opportunity to be of service. Please contact us with any questions.

Sincerely,

Jim Wood  
Data Design Services, Inc.

JW



**UNOFFICIAL BID TABULATION**  
**East Goshen Municipal Authority**  
**Contract: HME-2022, Hershey's Mill Estates Sanitary Sewer Replacement**  
**Extended Price**  
**Analysis**

Reference Number	Description	Type	UOM	Quantity	Joao & Bradley Construction Co., Inc.	DiRocco Bros., Inc.	Mason Dixon Contractors	G&B Construction	McKenney Construction	DOLI Construction Corporation	Bright Construction Group	Anrich, Inc.	Jurich, Inc.	MOR Construction Services, Inc.
<b>Base Bid</b>														
1	Mobilization and Demobilization. Price complete, in place, per lump sum:	Base	L.S.	1	\$20,000.00	\$77,800.00	\$62,000.00	\$95,000.00	\$21,000.00	\$100,000.00	\$100,000.00	\$10,450.00	\$193,623.00	\$86,000.00
2	Tree Removal and Site Preparation. Price complete, in place, per lump sum:	Base	L.S.	1	\$30,000.00	\$14,240.00	\$210,412.34	\$28,500.00	\$6,900.00	\$50,000.00	\$49,787.00	\$66,950.00	\$38,064.00	\$178,000.00
3	Install, Maintain, and Remove Erosion and Sediment Controls. Price complete, in place, per lump sum:	Base	L.S.	1	\$65,000.00	\$68,909.00	\$63,000.00	\$25,000.00	\$33,090.00	\$30,000.00	\$50,000.00	\$52,125.00	\$43,784.00	\$68,000.00
4	Site Dewatering. Price complete, in place, per lump sum:	Base	L.S.	1	\$10,000.00	\$69,960.00	\$50,000.00	\$31,500.00	\$43,820.00	\$40,000.00	\$100,000.00	\$65,050.00	\$47,907.00	\$56,000.00
5	New Precast Concrete Manhole. Price complete, in place, per each:	Base	EA.	5	\$27,500.00	\$81,004.00	\$39,472.50	\$67,130.00	\$48,500.00	\$37,500.00	\$27,500.00	\$30,000.00	\$53,750.00	\$67,000.00
6	Precast Concrete Manhole Replacement. Price complete, in place, per each:	Base	EA.	3	\$17,100.00	\$58,128.00	\$14,330.19	\$450.00	\$33,600.00	\$19,500.00	\$19,500.00	\$18,150.00	\$29,550.00	\$56,250.00
7	8" Dia. C900, DR-18 Gravity Sewer Pipe Installation with 2A Stone or Imported Soil Backfill. Price complete, in place, per linear foot:	Base	L.F.	453	\$61,155.00	\$39,691.86	\$55,519.68	\$67,950.00	\$83,352.00	\$135,900.00	\$86,070.00	\$132,276.00	\$86,523.00	\$158,550.00
8	8" Dia. C900, DR-18 Gravity Sewer Pipe Installation with Excavated Soil Backfill. Price complete, in place, per linear foot:	Base	L.F.	1,938	\$193,800.00	\$188,451.20	\$108,062.26	\$290,700.00	\$335,274.00	\$484,500.00	\$339,150.00	\$498,066.00	\$408,918.00	\$678,300.00
9	12" Dia. C900, DR-18 Gravity Sewer Pipe Installation with Excavated Soil Backfill. Price complete, in place, per linear foot:	Base	L.F.	224	\$22,400.00	\$23,813.44	\$12,492.48	\$33,600.00	\$43,008.00	\$58,240.00	\$42,560.00	\$60,704.00	\$48,832.00	\$70,560.00
10	6" and 8" Dia. C900, DR-18 Lateral. Price complete, in place, per linear foot:	Base	L.F.	250	\$15,000.00	\$39,690.00	\$13,462.50	\$37,500.00	\$36,250.00	\$25,000.00	\$30,000.00	\$72,000.00	\$40,000.00	\$76,250.00
11	Replace Cleanouts. Price complete, in place, per each:	Base	EA.	11	\$20,900.00	\$16,500.00	\$79,700.72	\$16,500.00	\$22,000.00	\$11,000.00	\$2,750.00	\$17,611.00	\$19,250.00	\$10,450.00
12	Install, Maintain, and Remove Temporary Cofferdam Diversions. Price complete, in place, per lump sum:	Base	L.S.	1	\$5,500.00	\$6,500.00	\$43,458.06	\$10,000.00	\$25,000.00	\$25,000.00	\$10,000.00	\$28,650.00	\$38,926.00	\$25,000.00
13	Sanitary Sewer Bypass Pumping and Flow Control. Price complete, in place, per lump sum:	Base	L.S.	1	\$10,000.00	\$28,000.00	\$87,497.59	\$42,500.00	\$73,000.00	\$25,000.00	\$120,000.00	\$37,200.00	\$72,247.00	\$47,500.00
14	Connect Sanitary Sewer to Existing Manholes. Price complete, in place, per each manhole:	Base	EA.	10	\$5,000.00	\$20,000.00	\$30,485.10	\$10,000.00	\$20,000.00	\$10,000.00	\$25,000.00	\$12,760.00	\$12,000.00	\$42,000.00
15	Install R-6 Rip Rap with Geotextile Rock Bank Stabilization. Price complete, in place, per ton:	Base	TONS	50	\$7,500.00	\$5,000.00	\$3,508.50	\$7,500.00	\$8,000.00	\$6,250.00	\$6,000.00	\$12,600.00	\$10,000.00	\$16,250.00
16	24" Dia. HDPE Storm Sewer Pipe Installation. Price complete, in place, per linear foot:	Base	L.F.	35	\$4,725.00	\$4,370.10	\$2,472.40	\$5,250.00	\$10,150.00	\$5,250.00	\$5,250.00	\$2,100.00	\$6,335.00	\$6,825.00
17	36" Dia. HDPE Storm Sewer Pipe Installation. Price complete, in place, per linear foot:	Base	L.F.	25	\$3,500.00	\$4,370.00	\$2,472.50	\$3,750.00	\$7,000.00	\$5,000.00	\$4,375.00	\$2,100.00	\$5,925.00	\$5,375.00

18	Site Restoration. Price complete, in place, per lump sum:	Base	L.S.	1		\$15,000.00	\$23,710.91	\$10,000.00	\$42,000.00	\$50,000.00	\$75,000.00	\$40,750.00	\$138,244.00	\$125,000.00
19	Replace Concrete Curb. Price complete, in place, per linear foot:	Base	L.F.	120		\$3,600.00	\$12,033.60	\$14,400.00	\$6,600.00	\$4,800.00	\$7,800.00	\$12,660.00	\$12,120.00	\$18,000.00
20	Miscellaneous Excavation and Backfill. Price complete, in place, per cubic yard:	Base	C.Y.	500		\$12,500.00	\$35,950.00	\$60,000.00	\$14,500.00	\$10,000.00	\$100,000.00	\$33,000.00	\$95,000.00	\$97,500.00
21	Rock Removal. Price complete, in place, per cubic yard:	Base	C.Y.	25		\$5,000.00	\$7,006.50	\$11,250.00	\$5,500.00	\$12,500.00	\$7,500.00	\$17,575.00	\$7,975.00	\$16,250.00
22	Abandon Existing Manhole. Price complete, in place, per each:	Base	EA.	1		\$25,000.00	\$2,693.15	\$1,000.00	\$1,500.00	\$2,500.00	\$500.00	\$1,170.00	\$1,753.00	\$9,500.00
23	Storm Sewer Headwall. Price complete, in place, per lump sum:	Base	L.S.	1		\$17,000.00	\$3,238.62	\$15,000.00	\$26,000.00	\$10,000.00	\$8,500.00	\$4,677.00	\$19,514.00	\$17,500.00
24	Trench Plug. Price complete, in place, per each:	Base	EA.	5		\$4,000.00	\$13,198.10	\$2,500.00	\$11,000.00	\$3,750.00	\$5,000.00	\$4,460.00	\$11,000.00	\$17,500.00
Base Bid Total						\$656,180.00	\$845,777.60	\$886,980.00	\$957,044.00	\$1,161,690.00	\$1,222,222.00	\$1,233,084.00	\$1,441,239.00	\$1,959,560.00
Add Items														
1	Precast Concrete Manhole Replacement. Price complete, in place, per each:	Option	EA.	6		\$33,000.00	\$68,628.00	\$26,816.04	\$54,000.00	\$45,000.00	\$27,000.00	\$34,920.00	\$60,000.00	\$112,500.00
2	Drop Manhole Replacement. Price complete, in place, per each:	Option	EA.	1		\$7,500.00	\$12,438.00	\$7,500.00	\$14,000.00	\$10,000.00	\$7,500.00	\$8,382.00	\$15,000.00	\$19,500.00
3	8" Dia. CS900, DR-18 Gravity Sewer Pipe Installation with Excavated Soil Backfill. Price complete, in place, per linear foot:	Option	L.F.	132		\$13,200.00	\$15,875.64	\$19,800.00	\$19,272.00	\$29,700.00	\$23,100.00	\$38,544.00	\$27,852.00	\$37,719.00
4	8" Dia. CS900, DR-18 Gravity Sewer Pipe Installation with Excavated Soil Backfill. Price complete, in place, per linear foot:	Option	L.F.	144		\$15,120.00	\$23,814.72	\$21,600.00	\$23,904.00	\$36,000.00	\$25,200.00	\$36,864.00	\$30,384.00	\$41,148.00
5	DEDUCTION - Connect Sanitary Sewer To Existing Manholes (Same Unit Price as Base Bid Item #14). Price complete, in place, per each manhole:	Option	EA.	7		\$3,500.00	\$19,950.00	\$7,000.00	\$14,000.00	\$7,000.00	\$17,500.00	\$8,932.00	\$7,000.00	\$29,469.00
6	6" Dia. HDPE Storm Sewer Pipe Installation. Price complete, in place, per linear foot:	Option	L.F.	114		\$10,260.00	\$7,620.90	\$5,110.62	\$2,052.00	\$9,690.00	\$9,690.00	\$29,184.00	\$14,934.00	\$10,830.00
7	24" Dia. HDPE Storm Sewer Pipe with Rip Rap Apron Installation. Price complete, in place, per linear foot:	Option	L.F.	40		\$6,000.00	\$7,620.00	\$6,000.00	\$3,840.00	\$6,000.00	\$7,000.00	\$11,640.00	\$7,240.00	\$7,800.00
8	15" Dia. HDPE Storm Sewer Pipe Installation. Price complete, in place, per linear foot:	Option	L.F.	10		\$1,500.00	\$7,620.00	\$1,346.60	\$450.00	\$1,750.00	\$1,250.00	\$2,700.00	\$1,600.00	\$2,650.00
Add Item Total						\$83,080.00	\$123,667.26	\$35,690.45	\$103,518.00	\$131,140.00	\$83,240.00	\$153,302.00	\$150,010.00	\$202,747.00
Grand Total						\$739,260.00	\$969,444.86	\$1,011,928.15	\$1,060,562.00	\$1,292,830.00	\$1,305,462.00	\$1,386,386.00	\$1,591,249.00	\$2,162,307.00





## Executive Summary

The Ridley Creek sewage treatment plant outfall 001 and 002 achieved compliance with all effluent limitations regarding water quality for the month of November. All supplemental reports were submitted for the month of October with the eDMR. Discharge to the Applebrook irrigation lagoon was discontinued in September. Chemical usage utilized for, and total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes were slightly increased to a daily average of 70.0 as compared to the previous month at 69.1 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during the operation of sludge dewatering equipment or SBR treatment process. Sludge dewatering continues to be increased to avoid potential odors during the sludge holding tank decanting process. There were no odor complaints during the month.

Table 1

November 2022- Final Effluent - Outfall 001																
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		Total Nitrogen		TSS		NH <sub>4</sub> -N		Total Phosphorus		Fecal Coliform		Ultraviolet light intensity	Copper, Total	Zinc, Total
	MGD		lbs/		lbs/		lbs/		lbs/		lbs/	Geo	Geo			
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Mean	Mean			
	0.75	10	62	Report	Report	10	62	2.5	44	0.5	3	200	1,000			
	Inst. Max	20	94			15	94	5		1				Report	Report	Report
Sample Date																
November 1, 2022	0.306	2.0	5.1	7.46	19.0	4.0	10.2	0.10	0.26	0.16	0.41	20	1.3010	NS	NS	NS
November 8, 2022	0.292	2.0	4.9	6.66	16.2	4.5	11.0	0.10	0.24	0.16	0.39	41	1.6128	NS	NS	NS
November 8, 2022	0.447	2.0	7.5	6.40	23.9	5.5	20.5	0.10	0.37	0.15	0.56	68	1.8325	NS	NS	NS
November 22, 2022	0.311	2.0	5.2	6.16	16.0	4.0	10.4	0.10	0.26	0.14	0.36	13	1.1139	NS	NS	NS
November 29, 2022	0.278	2.0	4.6	4.25	9.9	5.2	12.1	0.10	0.23	0.11	0.25	3	0.4771	NS	NS	NS
Average	0.327	2.0	5.5	6.19	17.0	4.6	12.8	0.10	0.27	0.14	0.40	29	1.2675	NA	NA	NA
Minimum	0.278	2.0	4.6	4.25	9.9	4.0	10.2	0.10	0.23	0.11	0.25	3	0.4771	NA	NA	NA
Maximum	0.447	2.0	7.5	7.46	23.9	5.5	20.5	0.10	0.37	0.16	0.56	68	1.8325	NA	NA	NA

## Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported to date for outfall 001 November 2022. The month-to-date average total phosphorus was reported as 0.14 mg/L as compared to the permit limitation of 0.50 mg/L. The TSS samples were consistently in single digits and well below the weekly maximum of 15 mg/L. The monthly average TSS was reported as 4.6 mg/L as compared to the discharge limitation of 10 mg/L.

The final effluent test results demonstrate that the biological treatment process performed well during October. 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 was discontinued through November 2022.

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 CBOD<sub>5</sub> monthly average weekly concentrations were generally observed to be less than the design parameters for the treatment process.

Table 2 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during November 2022.

**Table 2**

<b>November 2022 - Influent Wastewater</b>													
Design Basis	Flow	BOD <sub>5</sub>		CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -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													
November 1, 2022	0.374	428	1,334	223.0	695	528	1,646	29.3	91	61.7	192	5.78	18.0
November 8, 2022	0.394	414	1,361	403	1,325	600	1,972	31.3	103	59.8	197	6.47	21.3
November 15, 2022	0.484	340	1,373	321	1,296	282	1,139	28.6	115	50.6	204	5.48	22.1
November 22, 2022	0.365	226	689	218	664	160	488	26.2	80	47.70	145.4	5.16	15.7
November 29, 2022	0.369	306	942	253	779	322	991	46.0	142	69.1	213	4.86	15.0
Average	0.397	343	1,140	284	952	378	1,247	32	106	57.8	190	5.55	18.4
Minimum	0.365	226	689	218.0	664	160	488	26	80	47.7	145	4.86	15.0
Maximum	0.484	428	1,373	403	1,325	600	1,972	46	142	69.1	213	6.47	22.1

The foam on the SBR surface remained consistent with September with approximately 15% to 20% coverage of the surface area. The foam thickness is approximately 2 inches with a light to medium brown color. 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

#### **Pennonni Associates**

No activity

### **Significant Rainfall**

During November, there were eight (8) days when rainfall or snow occurred. There were two (2) events where the rainfall exceeded 0.5 inches in a 24-hour period.

November 12<sup>th</sup>            0.75 inches

November 16<sup>th</sup>            1.23 inches

The total rainfall for the month of November was a total 3.17 inches.

### **Chemical Usage:**

November 2022		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	290	9,000
Aluminium Sulfate solution, gal	70.0	2,100
Sludge Dewatering, gal*	22,870	480,276

\*The centrifuge was operated 21 days during the month.

### **Flow data:**

November 2022			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	11.711	391,314	544,500
Influent Wastewater to SBRs*	12.401	413,359	573,952
Internal Recycle**	0.646	22,258	44,530
Treated Effluent to Disc Filters	12.144	413,359	573,952
Final Effluent Discharge	9.465	316,000	447,000
Applebrook Golf Course	0	0	0

During November, the average monthly influent wastewater flow measured at the "field" flow meter was 391,314 gallons/day as compared to the influent flow into the SBRs as 413,359 gallons/day. The difference between the daily averages is 22,045 gpd, which is consistent with the average daily volume of internal recycle flow of 22,258 gpd. These values are considered typical as the flows to the SBR should be greater due to including all the internal recycle flows.

### **Minor Preventative Maintenance**

Flushed chemical feed lines to the SBRs.

Cleaned final effluent weir trough daily

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly

Cleaned buildings and laboratory

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**November 14, 2022**

The East Goshen Township Municipal Authority held their regular meeting on Monday, November 14, 2022 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**

Also in attendance were: Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), and Ellen Koopman (Attorney)

**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 troops and First Responders.

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

**Chairman's Report**

1. Walter reported that he prepared an article for the Newsletter describing the projects the MA is working on.

**SEWER REPORTS**

**1. Director of Public Works, Mark Miller's report for November 14 2022**

**Monthly Flows** – The average daily flow to West Goshen was 659,687 per day.

**Meters:** The meters were read on a daily basis. No problems to report.

**C.C. Collection:** The pump stations were visited on a daily basis. The wet well was washed down and the level rods were cleaned. The generators were under power for one hour each week. The generators were serviced for the winter. We were called out to 42 Waterview Lane for a sewer lateral break. Since the area was recently dug by the Aqua Water subcontractor, we had Aqua send out their

contractor who did the hydro excavation. The pipe turned out to be ok. However, the manhole tie in was not to our standards so we went back on Monday and replaced the piping in the manhole.

**C.C. Interceptor:**

**R.C. Collection:** The pump stations were visited on a daily basis. The pump station wet wells were washed down along with the level roads. The generators were serviced as routine maintenance for the winter. We installed two batteries in the Hunt Country unit.

**Ridley Creek Plant:** The new meter was put in service; we have to do a zero flow test on the unit, which we will setup with John Laidley in the next couple of weeks. The boardwalk was completed. We replaced the blower motor on number 4. Lenni was on hand to do the wiring of the blower motor. I ordered a blower to replace number 5. The cost was \$5,221.00. The supplier had one on the shelf so I had them ship it to us and it should arrive on Tuesday with the install scheduled for Wednesday. When I spoke with the sales clerk, I asked to check on availability for another blower. He said they were 18 to 20 weeks out. I ordered a second blower which we will have for a spare. Since the SBR is going on 11 years in service, we are starting to have equipment failures and components are not readily available. So, I am ordering some of the components that should be on the shelves. For the electronics, we have been ordering different components that John Laidley has recommended.

**Alarms:** We responded to 18 alarms for October.

**PA 1 Calls:** We responded to over 55 PA One Calls for the month of October.

**Monthly Rainfall:** 5.60 inches of rain for the month of October.

**Lateral Repairs or Caps:** We had over three dozen cleanout repairs for October.

**2. Pennoni Engineer's Report dated November 9, 2022**

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

- Caustic Soda Conversion – We are prepared to assist the PW Department with construction layout for the concrete pad and installation work, if needed. We have prepared the PADEP tank permit application and have coordinated with a certified tank installer to perform an inspection when the system is installed by the PWD and to sign-off on the permit application. We are awaiting their fee quote for that inspection. The permit application will be submitted to PADEP after installation with the certified installer's certification. We are coordinating with PADEP for the timing to start using the system after the application is submitted and associated duration for issuance of the permit.
- UV Disinfection System – Glasco's shop drawings for the system were returned "Approved as Noted" on November 3. The lead time for the equipment is about 4 months. We therefore expect the equipment to be delivered in late February or early March 2023.



1 The bidding schedule remains dependent on the notification of awards for the Commonwealth  
2 Financing Authority (CFA) Local Share Account (LSA) grants, which we tentatively  
3 understand is expected to occur in November. The proposed bidding schedule follows:

- 4 • Bid Advertisement – early December
- 5 • Bids Due – early January
- 6 • Award Consideration – January 9, 2023 at the Municipal Authority Meeting

7 **We request authorization from the Municipal Authority to advertise the solicitation in December.**

- 8 • Generator #2 Replacement – We are continuing with design and coordination with vendors on  
9 pricing for various size generators.

### 10 **Westtown Way Pump Station**

- 11 • No update since our last report.

### 12 **Sanitary Sewer Pipe Rehab**

- 13 • Supplee Valley – No activity since our last report. We will finalize an updated construction  
14 scope and construction cost estimate for pipe lining the remainder of the asbestos cement  
15 sewers in the neighborhood. We anticipate bidding the project in late December with  
16 construction in early 2023.
- 17 • Hershey's Mill Estates – The bid documents were finalized, and the construction solicitation went live  
18 on PennBid on November 1. We have responded to prospective bidder's questions. The bid schedule  
19 follows:
  - 20 • Non-Mandatory Pre-Bid Meeting – November 10 at the site
  - 21 • Bids Due – December 5
  - 22 • Award Consideration – December 12 at the Municipal Authority Meeting

23 Since a LSA grant application was submitted for this project, construction contracts cannot be  
24 awarded if/until the grant is "approved". The above schedule is based upon the grant award  
25 notifications occurring in November before bids are due. If grant award notifications have not  
26 occurred by November 28, the bid deadline will be extended by one month.

- 27 • Ridley Creek Exposed Sewer Rehab – We obtained emergency permit authorization from  
28 PADEP for the proposed concrete encasement of the sewer main that is exposed in the  
29 streambed. A full permit application has been prepared and will be submitted to PADEP in  
30 follow-up to the emergency authorization.

### 31 **I&I Program**

- 32 • No activity since our last report.

### 33 **New Connections**

- 34 • Sewer Extension Study – No activity since our last report.

1 **Industrial Pretreatment Ordinance**

- 2 • No activity since our last report. As discussed at the May 2021 MA meeting, a headworks  
3 study with sampling at the RCSTP can be conducted to set contaminant limits.  
4

5 **Comments** – Mike mentioned that the application for the UV tank permit is ready. He found a  
6 certified installer who said that our Public Works Department can do the install and he will check it.  
7 Mike is requesting approval to put bid ads out for the tank. Dana moved to authorize Pennoni to  
8 advertise bids for the UV project. Jack seconded the motion. The motion passed unanimously.  
9

10  
11 **3. Big Fish Environmental Services –**

12 The Ridley Creek sewage treatment plant outfall 001 and 002 achieved compliance with all effluent  
13 limitations regarding water quality for the month of October. All supplemental reports were  
14 submitted for the month of September with the eDMR. Discharge to the Applebrook irrigation  
15 lagoon was discontinued during October. Chemical usage utilized for pH and total alkalinity  
16 remained consistent with previous months. Aluminium sulfate solution volumes were slightly  
17 increased to a daily average of 69.1 as compared to the previous month at 64.3 gpd to achieve  
18 phosphorus removal. No significant mechanical or operational issues were observed during operation  
19 of sludge dewatering equipment or SBR treatment process. Sludge dewatering continues to be  
20 increased to avoid potential odors during the sludge holding tank decanting process. There were no  
21 odor complaints during the month.  
22 The DEP report was discussed.  
23  
24

25 **Approval of Minutes**

26 The minutes of the October 10, 2022 meeting were approved as amended.  
27  
28

29 **Approval of Invoices**

- 30 1. Dana moved to approve payment of the following Pennoni Invoices:

31 #1141259	\$ 501.53
32 #1141260	\$ 519.32
33 #1141261	\$3,504.25
34 #1141262	\$ 580.25

35 Jack seconded the motion. The motion passed unanimously.

- 36 2. Jack moved to approve payment of the Excelsior Invoice #0911231-IN in the amount of  
37 \$5,221.00. Dana seconded the motion. The motion passed unanimously.  
38 3. Dana moved to approve the paid invoices for Yale #120860167.001 in the amount of \$259.80  
39 and Lowes in the amount of \$58.20. Jack seconded the motion. The motion passed  
40 unanimously.  
41

42 **Liaison Reports**

- 43 1. **Conservancy Board** – Walter mentioned that the board did a site walk to decide where to put  
44 the trees. The board will purchase 10 trees and three will be provided by PHS. The planting  
45 will be Saturday November 19, 2022.

2. BOS – Mike Lynch reported that the police contract renewal was finalized and approved by the police union. It is a 3 year agreement. The proposed 2023 Township budget includes an increase in the local East Goshen real estate tax of .5 which will make it 1.75. This tax has not been increased for 20 years. We can't rely on other taxes, i.e., earned income tax. Mike spoke about the increase in the cost of services, i.e., fire, police, etc. The school district needs an SRO, police officer, which will be about \$75,000 for the next 4 years. You can check the BOS minutes for their 10/18 meeting which includes Mike's full statement.

## **Financial Reports**

### **1. October Financial Report** - Dave Ware provided the following report:

In October 2022, the Municipal Authority recorded \$133,719.84 in revenues (primarily from Sewer Capital Reserve transfers) and \$134,562.00 in expenses (General Engineering Services, Legal Services, Hershey's Mill Sewer materials and Capital expenditures at the Ridley Creek Sanitary Treatment Plant), for a net result of operations of (\$842.16). As of October 31, 2022 the fund balance was \$4,570.97.

## **Old Business**

**1. Hershey Mill Trunk Line** – Mike Ellis mentioned that many contractors have been out for site walks. Mark and Mike spoke about the easement and the route for the contractors to come in. It is estimated the project will take about 100 days. Mark sent letters to all of the residents backing up on the site and will go out to meet with them. Bids are due December 5<sup>th</sup>. Subject to the grant, bids will be awarded in December. Mike is expecting 6-8 bids. Mike is recommending budgeting \$7,500 for the bid phase instead of the \$5,000 in the 2021 proposal. Dana moved to approve budget for the bid phase up to a maximum of \$7,500.00. Jack seconded the motion. The motion passed unanimously.

## **Goals**

Dana gave Mark changes to the goals regarding the Capital Improvement Program.

## **New Business**

### **Capacity Request**

**1. 14 Reservoir Road** – The plan was reviewed for the subdivision of this lot. Jack moved to approve the capacity request for 14 Reservoir Road. Dana seconded the motion. The motion passed unanimously.

### **Any Other Matter** - None

### **Correspondence**- None

### **Public Comment** - None

1  
2 **Adjournment**  
3 There being no further business Jack moved to adjourn the meeting. Dana seconded the motion. The  
4 motion passed unanimously. The meeting was adjourned at 8:00 pm.  
5 The next regular meeting will be held on Monday, December 12, 2022 at 7:00 pm.  
6  
7 Respectfully submitted,  
8  
9  
10 Ruth Kiefer, Recording Secretary



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.c


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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
12/08/2022  
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
420.00	500.00	0.00	-420.00	<u>\$500.00</u>

  
12/9/22

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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17 East Gay Street, Suite 100 (p) 610-696-8225  
West Chester, PA 19381-0562 (f) 610-344-0922  
gglaw@gawthrop.com www.gawthrop.c

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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
12/08/2022  
Client No: 6604-001M  
Invoice No. 266389

General Authority Services

Fees

		Hours	
11/09/2022			
PMM	Email from S. Smith regarding meeting materials.	0.20	40.00
11/10/2022			
EBK	Review and analyze materials ahead of meeting	0.30	60.00
11/14/2022			
EBK	Attend monthly meeting	1.80	360.00
11/15/2022			
EBK	Draft summary report on monthly meeting	0.20	40.00
	For Current Services Rendered	2.50	500.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna	0.20	\$200.00	\$40.00
Ellen Koopman	2.30	200.00	460.00

Previous Balance \$420.00

Total Current Charges 500.00

11/23/2022 Payment -420.00

Balance Due \$500.00



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

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**<https://secure.lawpay.com/pages/gawthrop/operating>**

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
11/14/2022  
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
400.00	420.00	0.00	-400.00	<u>\$420.00</u>

*Pd. 11/16*

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  
11/14/2022  
Client No: 6604-001M  
Invoice No. 265299

General Authority Services

Fees

		Hours	
10/07/2022			
PMM	Email from S. Smith with agenda and meeting materials.	0.20	40.00
EBK	Review and analyze materials ahead of meeting	0.20	40.00
10/10/2022			
EBK	Attend monthly meeting	1.70	340.00
	For Current Services Rendered	2.10	420.00

	Recapitulation	Hours	Hourly Rate	Total
<u>Timekeeper</u>				
Patrick M. McKenna		0.20	\$200.00	\$40.00
Ellen Koopman		1.90	200.00	380.00

Previous Balance \$400.00

Total Current Charges 420.00

10/21/2022 Payment -400.00

Balance Due \$420.00

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.



Deckman Motor & Pump, Inc.  
49 W. Front Street  
Bridgeport, PA 19405  
610-272-6944



**DECKMAN**  
MOTOR & PUMP INC

**BILL TO**

East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**SHIP TO**

Mark-cell 610-656-2742  
email sent 11-2 *ajl*

**INVOICE 4825**

DATE 11/03/2022 TERMS Net 30

**SHIP VIA**

Cust Pick Up

**P.O. NUMBER**

Hershey Mills

**TECH**

WES

**WORK ORDER #**

30670

ITEM	DESCRIPTION	QTY	EACH	AMOUNT
RBM	Rebuilt - Hydromatic Pump, Date: 04-05 Model: S4NX750EC, Serial No: S89374 7.5 HP, 1750 RPM, 230 Volts, 3 Phase Clean, sandblast, new stator, impeller (7.65"), wear ring, bearings, o-rings, seals, seal probes, add oil and paint	1	4,514.00	4,514.00

SUBTOTAL 4,514.00

TAX 0.00

TOTAL 4,514.00

**TOTAL DUE \$4,514.00**

APPROVED BY: \_\_\_\_\_

DATE PAID: \_\_\_\_\_

CHECK #: \_\_\_\_\_

CHARGED TO: 07429.1503

**PAID**  
11/16

Picked Up/Received By: \_\_\_\_\_

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We Accept Visa, MasterCard, Discover & American Express

Deckman Motor & Pump, Inc.  
49 W. Front Street  
Bridgeport, PA 19405  
610-272-6944



**DECKMAN**  
MOTOR & PUMP INC

**BILL TO**  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**SHIP TO**  
Mark-cell 610-656-2742  
email sent 11-2 *ajp*

**INVOICE 4825**

**DATE 11/03/2022 TERMS Net 30**

**SHIP VIA**  
Cust Pick Up

**P.O. NUMBER**  
Hershey Mills

**TECH**  
WES

**WORK ORDER #**  
30670

ITEM	DESCRIPTION	QTY	EACH	AMOUNT
RBM	Rebuilt - Hydromatic Pump, Date: 04-05 Model: S4NX750EC, Serial No: S89374 7.5 HP, 1750 RPM, 230 Volts, 3 Phase Clean, sandblast, new stator, impeller (7.65"), wear ring, bearings, o-rings, seals, seal probes, add oil and paint	1	4,514.00	4,514.00

SUBTOTAL 4,514.00

TAX 0.00

TOTAL 4,514.00

**TOTAL DUE \$4,514.00**

PICK UP  
RECEIPT

APPROVED BY: *MH*

DATE PAID: \_\_\_\_\_

CHECK #: \_\_\_\_\_

CHARGED TO: ~~132~~ *500*

*Capital*  
*Utility Water*

Picked Up/Received By: \_\_\_\_\_

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## INVOICE



**colonial**  
electric supply company, inc.  
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King of Prussia, PA 19406  
610-312-8100  
www.colonialelectric.com



**colonial**  
major protects

colonialelectric.com/cmp

**colonial**  
**teltek**  
colonialteltek.com



**Bright Light**

brightlightdesigncenter.com



**Annapolis Lighting**

annapolislighting.com

INVOICE NUMBER	INVOICE DATE
14850138	10/03/22
PLEASE REMIT PAYMENT TO	
<b>Colonial Electric Supply Company, Inc.</b>	
<b>PO BOX 414564</b>	
<b>Boston MA 02241-4564</b>	

Billing Questions?  
Call: THOMAS KARACKAI  
484-679-2295

**PAID**  
11/16

## BILLING ADDRESS

4552 1 AB 0.491 E0060X I0086 D9750442833 S2 P9293113 0001:0002



EAST GOSHEN TOWNSHIP  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380-6107

## SHIPPING ADDRESS

EAST GOSHEN TOWNSHIP  
EAST GOSHEN TWP  
1580 PAOLI PIKE  
PUBLIC WORKS SHOP IN  
WEST CHESTER PA 19380

APPROVED BY:

DATE PAID:

CHECK #:

CHARGED TO: 07429.1505

*Ridley Meter*

CUSTOMER PO		ORDER DATE	ORDERED BY	SHIP DATE		SHIPPED VIA		FREIGHT TERM	
RIDLEY CREEK FLOW		09/30/22	DANIELLE	10/03/22				PPD	
COMMENTS		CO. UNIT / WH	ENTERED BY	ACCOUNT ID		ORIGINAL INVOICE		SALESPERSON	
		02 / DC	4722	E163		QT253763		0001	
LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
10	78590106117	MESSAGE	HOM24L70RB 70MLO 2/4C N3R	1	1	0	52.00	E	52.00
			CTR						
20	78590106530		HOM240 2P 40A CIRC BRKR	1	1	0	15.56	E	15.56
			\$						
30	78590141672		QOB120 1P 20A BOLT-ON	2	2	0	34.42	E	68.84
			BREAKE \$						
40	07847771276		LEVGFNT2W 20A SLIM GFCI WHT	1	1	0	20.37	E	20.37
50	CAR1/2		CAR1/2 1/2"SCHED 40 PVC	10	10	0	109.85	C	10.99
			COND \$						
60	03448106201		CARE943D 1/2 SCHED 40 MALE	2	2	0	67.81	C	1.36
			\$						
70	NIP1/2XCL		NIP1/2XCL 1/2"XCLOSE	1	1	0	215.42	C	2.15
			CONDUIT \$						
80	78174720101		BPT101-S 1/2" STEEL LOCKNUT	4	4	0	15.37	C	0.61
			\$						
90	09532711432	MUL11432 4" GFI COVER	1	1	0	229.00	C	2.29	
		\$							
100	78101140363	BLN228 3/8 SPRING NUT	10	10	0	190.08	C	19.01	
		\$							
110	CAR3/4	CAR3/4 3/4" SCHED 40 PVC	10	10	0	130.49	C	13.05	
		CON \$							
120	03448106202	CARE943E 3/4" SCHED 40 MALE	2	2	0	109.32	C	2.19	
		\$							
130	78174720102	BPT102-S 3/4" STEEL LOCKNUT	2	2	0	17.57	C	0.35	
		\$							
140	03448123314	CARFLEX3/4-CUT	6	6	0	159.09	C	9.55	
141		1 X 6 ON COIL							
150	03448108788	CARLT43E 3/4 STR L/T FLEX	2	2	0	505.14	C	10.10	
		CO \$							
330	NS8888	78592836284	STAH N242412HWT NEMA4X HNGD	1	0	1	1459.00	E	0.00

Invoice Due By: 11/2/2022

Invoices not paid within 30 days from the billing date are subject to a late fee of 1.5% per month. If sales are subject to Colonial's standard terms and conditions of sale in effect as of the date of the placement of an order. Colonial objects to any proposed term that is inconsistent with its standard terms of sale. Colonial's current standard terms and conditions of sale can be found at <http://www.colonialelectric.com/termsofsale> or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change without notice. To ensure proper customer service, Colonial Electric records all calls for quality and training.

For a Complete List of Locations  
Please Visit  
**www.colonialelectric.com**

www.BrightLightDesignCenter.com

www.AnnapolisLighting.com



**Colonial**  
electric supply company, inc.  
Since 1972...Powered By Excellence!  
201 W. Church Road  
King of Prussia, PA 19406  
610-312-8100  
www.colonialelectric.com



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major protects

colonialelectric.com/cmp

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**teltek**  
colonialeteltek.com



**Bright Light**

brightlightdesigncenter.com

**Annapolis Lighting**

annapolislighting.com

# INVOICE

INVOICE NUMBER	INVOICE DATE
14850138	10/03/22
PLEASE REMIT PAYMENT TO	
Colonial Electric Supply Company, Inc.	
PO BOX 414564	
Boston MA 02241-4564	

Billing Questions?  
Call: THOMAS KARACKAI  
484-679-2295

## BILLING ADDRESS

4552 1 AB 0.491 E0060X I0087 D9750442833 S2 P9293113 0002:0002

## SHIPPING ADDRESS

EAST GOSHEN TOWNSHIP  
EAST GOSHEN TWP  
1580 PAOLI PIKE  
PUBLIC WORKS SHOP IN REAR  
WEST CHESTER PA 19380

EAST GOSHEN TOWNSHIP  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380-6107

CUSTOMER PO	ORDER DATE	ORDERED BY	SHIP DATE	SHIPPED VIA	FREIGHT TERM
RIDLEY CREEK FLOW	09/30/22	DANIELLE	10/03/22		PPD
COMMENTS	CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE	SALESPERSON
	02 / DC	4722	E163	QT253763	0001

E	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
0		MESSAGE	EN						
0	78592840131		FACTORY STOCK 7-10 DAYS	1	1	0	221.85	E	221.85
0		MESSAGE	ROBBP2424AL 24X24 ALUM BP						
			COLONIAL STOCK						

Invoice Due By: 11/2/2022

Payments not paid within 30 days from the billing date are subject to a late fee of 1.5% per month. All sales are subject to Colonial's standard terms and conditions of sale in effect as of the date of the placement of an order. Colonial objects to any payment term that is inconsistent with its standard terms of sale. Colonial's current standard terms and conditions of sale can be found at <http://www.colonialelectric.com/termsofsale> or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change without notice. To ensure proper customer service, Colonial Electric records all sales for quality and training.

For a Complete List of Locations  
Please Visit  
**www.colonialelectric.com**

[www.BrightLightDesignCenter.com](http://www.BrightLightDesignCenter.com)

[www.AnnapolisLighting.com](http://www.AnnapolisLighting.com)

Accepted By
CUMMINS

<b>SUBTOTAL</b>	450.27
<b>S&amp;H CHGS</b>	
<b>0.00% TAX</b>	0.00
<b>PAY THIS AMOUNT</b>	<b>450.27</b>



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

# INVOICE

CUSTOMER NUMBER	SUB ACCOUNT #
117491	117491
INVOICE NUMBER	INVOICE DATE
S121654188.001	10/10/22
REMIT TO:	
US ELECTRICAL SERVICES, INC. PO BOX 412485 BOSTON MA 02241-2485	


BILL TO:

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

SHIP TO:

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

CUSTOMER PO #		JOB NAME / RELEASE #		ORDERED BY		SALESPERSON		
Flow meter plant		..				HOUSE ACCOUNT		
WRITER			SHIP VIA		TERMS		SHIP DATE	ORDER DATE
ROBERT S KASSEES			PICK UP		NET 15TH		10/10/22	10/10/22
ORDER QTY	SHIP QTY	DESCRIPTION					UNIT PRICE	EXT PRICE
		ORDER PICKED UP IN WEST CHESTER, PA - 19380-4512						
2ea	2ea	KRY 078089 TA20 2" PVC MALE					217.970 c	4.36
		TERMINAL ADAPTER						
2ea	2ea	CRS 16X 2-IN STEEL LOCKNUT					68.490 c	1.37
2ea	2ea	CRS 936 2" PLASTIC INSULATING					83.760 c	1.68
		BUSHING 105 DEG C						
1ea	1ea	KRY 078145 LB20 2" TYPE LB ACCESS					2762.450 c	27.62
		FTG						
2ea	2ea	KRY 078545 SCH40 2" X 90D PVC					782.180 c	15.64
		ELBOW 40STD2090						
5ea	5ea	KRY 078006 CP20 2" PVC COUPLING					144.040 c	7.20
4ea	4ea	KRY 078380 PS20 2" PVC 2 HOLE PIPE					157.670 c	6.31
		STRAP						
4ea	4ea	BLINE B2213-PA-ZN 2" EMT-HW STRAP					723.800 c	28.95
4ea	4ea	CRS 5B 2" EMT/RIGID/IMC CONDUIT					94.480 c	3.78
		HANGER W/BOLT						
<div>PAID 11/16</div> <div>APPROVED BY: <u>WJP</u></div> <div>DATE PAID: _____</div> <div>CHECK #: _____</div> <div>CHARGED TO: <u>074291505</u> <u>Flow Meter</u> <u>Ridley</u></div>								



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

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

Contact the Credit Department at 717-606-1317 and get set up today!


Invoice is due by 11/15/22.

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

A  **Electrical Company**

Visit us at [www.usesi.com](http://www.usesi.com)

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

PROOF OF DELIVERY SIGNATURE	
2022/10/10 10:22:31 AM	S121654188.1
	
Joe	

Subtotal	96.91
Shipping Chgs	0.00
Tax	0.00
Payments	0.00
Amount Due	96.91

USE THIS ENROLLMENT TOKEN: VHD QLP SLM



200 GARFIELD AVENUE  
WEST CHESTER, PA 19380-4512  
610-719-9253  
Fax 610-719-0650

A U.S. Electrical Services Inc. Company



## Ship Ticket


SHIP DATE	ORDER NUMBER	PAGE NO.
10/10/2022	S121654188.001	1 of 1
CUST PO#:	Flow meter plant	
JOB/REL#:	..	

SOLD TO:

SHIP TO:

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

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

CUSTOMER NUMBER		CUSTOMER PHONE#		ORDERED BY		SALESPERSON		
117491		610-692-7171				HOUSE ACCOUNT		
WRITER			SHIP VIA		WAREHOUSE		ORDER DATE	FREIGHT ALLOWED
ROBERT S KASSEES (302)-737-3778			PICK UP		Ship: WECH Price: WECH		10/10/2022	No
ORDER QTY	SHIP QTY	✓	DESCRIPTION				UNIT PRICE	EXT PRICE
2ea	2ea		KRY 078089 TA20 2" PVC MALE				217.970/c	4.36
			TERMINAL ADAPTER					
2ea	2ea		CRS 16X 2-IN STEEL LOCKNUT				68.490/c	1.37
2ea	2ea		CRS 936 2" PLASTIC INSULATING				83.760/c	1.68
			BUSHING 105 DEG C					
1ea	1ea		KRY 078145 LB20 2" TYPE LB ACCESS				2762.450/c	27.62
			FTG					
2ea	2ea		KRY 078545 SCH40 2" X 90D PVC				782.180/c	15.64
			ELBOW 40STD2090					
5ea	5ea		KRY 078006 CP20 2" PVC COUPLING				144.040/c	7.20
4ea	4ea		KRY 078380 PS20 2" PVC 2 HOLE PIPE				157.670/c	6.31
			STRAP					
4ea	4ea		BLINE B2213-PA-ZN 2" EMT-HW STRAP				723.800/c	28.95
4ea	4ea		CRS 5B 2" EMT/RIGID/IMC CONDUIT				94.480/c	3.78
			HANGER W/BOLT					
2022/10/10 10:22:31 AM S121654188.1								
								
Joe								

Any shortage, damaged or incorrect material must be reported within 24 hours.  
For complete Terms & Conditions go to:  
<https://tinyurl.com/Yale-Customer-TC>

Subtotal	96.91
Shipping Chgs	0.00
Tax	0.00
Payments	0.00
Amount Due	96.91

# Memo

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To: Municipal Authority  
From: Dave Ware  
Re: MA November 2022 Financial Report  
Date: December 8, 2022

---

In November 2022, the Municipal Authority recorded \$15,696.80 in revenues (primarily from Sewer Operating and Sewer Capital Reserve transfers) and \$31,664.60 in expenses (General Engineering Services, Legal Services, Hershey's Mill Engineering Service, Hershey's Mill Pump Station – rebuilt hydromatic pump, and Capital expenditures at the Ridley Creek Sanitary Treatment Plant), for a net result of operations of (\$15,967.80). As of November 30, 2022, the fund balance was (\$11,137.03).

A complete list of 2022 full year MA revenues and expenses is attached.

**EAST GOSHEN TOWNSHIP**  
**Municipal Authority Fund**  
**October 2022**

<u>Account Id</u>	<u>Account Description</u>	<u>Annual Budget</u>	<u>Current YTD</u>	<u>Prior YTD</u>
<b><u>REVENUE</u></b>				
07-341-1000	INTEREST EARNINGS	0.00	5.71	2.74
07-354-0400	DCED GRANT	152,980.00	0	0
07-364-1100	C.C. TAPPING FEES	2,000.00	2,300.00	2,060.00
07-364-1110	R.C.TAPPING FEES	2,000.00	1,791.36	11,508.00
07-364-1130	CONNECTION FEES - SEWER	1,000.00	563.76	2,108.20
07-380-1000	MISCELLANEOUS REVENUE	0.00	282.24	2,664.48
07-392-0500	TRANSFER FROM SEWER OPERATING	130,000.00	82,107.15	84,232.16
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	476,930.00	265,426.86	179,592.49
	<b>Total Revenue</b>	<b>764,910.00</b>	<b>352,477.08</b>	<b>282,168.07</b>
<b><u>EXPENSES</u></b>				
07-424-1400	ADMINISTRATIVE WAGES	30,529.00	25,116.15	23,135.82
07-424-3000	MISCELLANEOUS EXPENSE	1,500.00	1,665.25	1,693.25
07-424-3110	MUNIC.AUTH.-AUDITING	10,300.00	10,250.00	10,000.00
07-424-3130	ENGINEERING SERVICES	45,000.00	42,469.00	50,242.31
07-424-3140	LEGAL SERVICES	8,000.00	6,140.00	8,233.82
07-424-7440	R.C. CAPITAL-STP	315,000.00	0	0
07-424-7490	CAP.REPLACEMENT R.C.	41,400.00	0	-10,984.77
07-426-3001	RELINING	130,000.00	0	0
07-429-1501	BARKWAY PUMP STATION CAPITAL	0.00	2,215.00	5,117.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	0.00	11,493.05	30,324.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	0.00	153,398.99	76,579.96
07-429-1504	HUNT CO PUMP STATION CAPITAL	0.00	1,870.00	8,277.00
07-429-1505	RCSTP CAPITAL	46,897.00	120,403.18	65,925.98
07-429-6100	WEST GOSHEN CAPITAL	136,284.00	0	0
07-491-5001	BANK FEES	0.00	0	379.50
07-492-0100	TRANSFER TO GENERAL FUND	0.00	212.99	0
	<b>Total Expenses</b>	<b>764,910.00</b>	<b>375,233.61</b>	<b>268,923.87</b>
	<b>Net Result From Operations</b>	<b>0.00</b>	<b>-22,756.53</b>	<b>13,244.20</b>



Municipal Authority

YTD Revenues and Expenses thru 11/30/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/22	Revenue Journal	INTEREST EARNED JANUARY 2022 07 FUND	0.19
07-341-1000	INTEREST EARNINGS	02/28/22	Revenue Journal	INTEREST EARNED FEBRUARY 2022 07100.1035	0.18
07-341-1000	INTEREST EARNINGS	03/31/22	Revenue Journal	INTEREST EARNED MARCH 2022 07 FUND	0.17
07-341-1000	INTEREST EARNINGS	04/30/22	Revenue Journal	INTEREST EARNED APRIL 2022 07100	0.15
07-341-1000	INTEREST EARNINGS	05/31/22	Revenue Journal	INTEREST EARNED MAY 2022 07 FUND	0.09
07-341-1000	INTEREST EARNINGS	06/30/22	Revenue Journal	INTEREST EARNED JUNE 2022 07 FUND	0.10
07-341-1000	INTEREST EARNINGS	07/31/22	Revenue Journal	INTEREST EARNED JULY 2022 07 FUND	0.42
07-341-1000	INTEREST EARNINGS	08/31/22	Revenue Journal	INTEREST EARNED AUGUST 2022	0.92
07-341-1000	INTEREST EARNINGS	09/30/22	Revenue Journal	INTEREST EARNED SEPTEMBER 2022	0.29
07-341-1000	INTEREST EARNINGS	11/04/22	Revenue Journal	INTEREST EARNED OCTOBER 2022	3.20
07-364-1100	C.C. TAPPING FEES	07/13/22	Revenue Journal	1344 MORSTEIN RD C.C. TAPPING FEES	2,000.00
07-364-1100	C.C. TAPPING FEES	07/13/22	Revenue Journal	1344 MORSTEIN RD C.C. TAPPING FEES	300.00
07-364-1110	R.C.TAPPING FEES	05/18/22	Revenue Journal	706 HEMLOCK HILL SEWER INSPECT R.C.TAPPI	300.00
07-364-1110	R.C.TAPPING FEES	08/01/22	Revenue Journal	TAP IN FEE 1577 COLONIAL R.C.TAPPING FEE	297.84
07-364-1110	R.C.TAPPING FEES	08/01/22	Revenue Journal	SEWER INSP FEE 1577 COLONIAL R.C.TAPPING	300.00
07-364-1110	R.C.TAPPING FEES	09/01/22	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	10/03/22	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	11/01/22	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	02/02/22	Revenue Journal	STOFFLET, MICHAEL	423.00
07-364-1130	CONNECTION FEES - SEWER	08/18/22	Revenue Journal	PAPPANO, JOSEPH & PATRICIA	423.00
07-392-0500	TRANSFER FROM SEWER OPERATING	01/13/22	Revenue Journal	XFER \$ TO MA FROM SEWER & SEWER CAP.RE:	5,497.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/16/22	Revenue Journal	XFER \$ FROM 05 & 09 RE: JAN. 2022 MA EXP	6,324.50
07-392-0500	TRANSFER FROM SEWER OPERATING	03/08/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAPITAL TO MA	660.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/11/22	Revenue Journal	XFER \$ FROM 05 TO 07 MA AUTH.	360.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/18/22	Revenue Journal	XFER \$ FROM 05 TO 07 RE: 07 EXPENSES	7,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/30/22	Revenue Journal	XFER \$ FROM 05 TO 07 TO COVER MA EXPENSE	8,372.05
07-392-0500	TRANSFER FROM SEWER OPERATING	04/14/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA RE: APRIL EXPE	10,814.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/04/22	Revenue Journal	XFER \$ FROM 05 TO MA TO COVER EXPENSES	3,690.00
07-392-0500	TRANSFER FROM SEWER OPERATING	06/07/22	Revenue Journal	CORRECT MA \$ XFER TRX 83370 5/13/22	5,302.50
07-392-0500	TRANSFER FROM SEWER OPERATING	06/16/22	Revenue Journal	XFER FUNDS TO MA FROM SEWER & SEWER CAPI	2,970.50
07-392-0500	TRANSFER FROM SEWER OPERATING	07/01/22	Revenue Journal	XFER \$ FROM 05 TO 07 TO COVER MA EXPENSE	8,372.05
07-392-0500	TRANSFER FROM SEWER OPERATING	07/13/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA AUTHORITY RE:	2,111.25
07-392-0500	TRANSFER FROM SEWER OPERATING	08/16/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAP. TO MA TO	920.00
07-392-0500	TRANSFER FROM SEWER OPERATING	09/13/22	Revenue Journal	XFER TO MA TO COVER AUG.EXPENSES	2,451.00
07-392-0500	TRANSFER FROM SEWER OPERATING	09/30/22	Revenue Journal	XFER FR: 05 TO 07 RE: Q3 2022 CHGBACK	8,372.05
07-392-0500	TRANSFER FROM SEWER OPERATING	10/19/22	Revenue Journal	XFER FROM 05 TO COVER 07 EXPENSES	4,966.00
07-392-0500	TRANSFER FROM SEWER OPERATING	11/17/22	Revenue Journal	XFER TO 07 FROM 05 TO COVER EXPENSES	3,924.25
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/13/22	Revenue Journal	XFER \$ TO MA FROM SEWER & SEWER CAP.RE:	18,986.13

Municipal Authority

YTD Revenues and Expenses thru 11/30/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/16/22	Revenue Journal	XFER \$ FROM 05 & 09 RE: JAN. 2022 MA EXP	1,217.25
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/08/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAPITAL TO MA	6,831.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/14/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA RE: APRIL EXPE	25,600.37
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/07/22	Revenue Journal	CORRECT MA \$ XFER TRX 83370 5/13/22	1,283.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/16/22	Revenue Journal	XFER FUNDS TO MA FROM SEWER & SEWER CAPI	12,592.90
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/13/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA AUTHORITY RE:	21,785.60
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/28/22	Revenue Journal	XFER \$ FROM 09 TO 07 TO COVER 07 EXPENSE	16,131.57
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/16/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAP. TO MA TO	18,030.91
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/31/22	Revenue Journal	Xfer \$ from 09 to 07 for expenses	212.99
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/08/22	Revenue Journal	TRANSFER FROM 09 TO COVER 07 EXPENSES	545.94
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/13/22	Revenue Journal	XFER TO MA TO COVER AUG.EXPENSES	2,120.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/29/22	Revenue Journal	XFER FROM 09 TO 07 TO COVER EXPENSES	160.44
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/14/22	Revenue Journal	XFER \$ TO COVER 07 EXPENSES	318.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/19/22	Revenue Journal	XFER FROM 09 TO COVER 07 EXPENSES	122,917.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/26/22	Revenue Journal	XFER FROM 09 TO 07 FOR MA EXPENSES	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/16/22	Revenue Journal	XFER FROM 09 TO 07 FOR EXPENSES	5,417.41
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/17/22	Revenue Journal	XFER TO 07 FROM 09 TO COVER EXPENSES	1,601.10
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/18/22	Revenue Journal	XFER \$ FROM 09 TO 07 TO COVER EXPENSE	4,453.00
07-424-1400	ADMINISTRATIVE WAGES	03/30/22	Expd	EAST GOSHEN TOWNSHIP - GENERAL QTR.1 - 2	8,372.05
07-424-1400	ADMINISTRATIVE WAGES	06/30/22	Expd	EAST GOSHEN TOWNSHIP - GENERAL QTR.2-202	8,372.05
07-424-1400	ADMINISTRATIVE WAGES	09/30/22	Pay Check: 3356	22-00350 Q3 2022 MUNIC.AUTH CHARGEBACK	8,372.05
07-424-3000	MISCELLANEOUS EXPENSE	01/13/22	Expd	PENNSYLVANIA MUNICIPAL AUTHORITIES ASSO	880.25
07-424-3000	MISCELLANEOUS EXPENSE	03/08/22	Expd	DELAWARE RIVER BASIN COMMISSION ANNUL MON	660.00
07-424-3000	MISCELLANEOUS EXPENSE	06/30/22	Expd	PETTY CASH PA MUNIC. AUTH.WORKSHOP - W.W	125.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/18/22	Expd	MAILLIE FALCONIERO & CO. MUNICIPAL AUTH.	7,000.00
07-424-3110	MUNIC.AUTH.-AUDITING	05/03/22	Expd	MAILLIE FALCONIERO & CO. FINAL BILLING -	3,250.00
07-424-3130	ENGINEERING SERVICES	01/13/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 12	4,076.75
07-424-3130	ENGINEERING SERVICES	02/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 1/	5,664.50
07-424-3130	ENGINEERING SERVICES	04/14/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 3/	10,814.00
07-424-3130	ENGINEERING SERVICES	05/12/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 4/	5,302.50
07-424-3130	ENGINEERING SERVICES	06/16/22	Expd	PENNONI ASSOCIATES INC. SERV. THRU 5/15/	2,610.50
07-424-3130	ENGINEERING SERVICES	07/13/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 6/	1,051.25
07-424-3130	ENGINEERING SERVICES	08/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 7/	3,408.25
07-424-3130	ENGINEERING SERVICES	09/13/22	Pay Check: 3353	22-00112 SERV.THUR 8/14/22 GEN.SERV.	1,471.00
07-424-3130	ENGINEERING SERVICES	10/18/22	Pay Check: 3362	22-00476 SERVICES THRU 9/18/22 GEN.SERV	4,566.00
07-424-3130	ENGINEERING SERVICES	11/17/22	Pay Check: 3369	22-00749 SERV.THUR 10/16/22 2022 GEN.SE	3,504.25
07-424-3140	LEGAL SERVICES	01/13/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	540.00
07-424-3140	LEGAL SERVICES	02/16/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	660.00

## Municipal Authority

## YTD Revenues and Expenses thru 11/30/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3140	LEGAL SERVICES	03/11/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	360.00
07-424-3140	LEGAL SERVICES	05/04/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	440.00
07-424-3140	LEGAL SERVICES	06/16/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	360.00
07-424-3140	LEGAL SERVICES	07/13/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	1,060.00
07-424-3140	LEGAL SERVICES	08/16/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERV.	920.00
07-424-3140	LEGAL SERVICES	09/13/22	Pay Check: 3352	22-00109 LEGAL SERV. JULY 2022 GEN.AUT	400.00
07-424-3140	LEGAL SERVICES	09/13/22	Pay Check: 3352	22-00110 LEGAL SERV. AUG.2022 GEN.AUTH	580.00
07-424-3140	LEGAL SERVICES	10/18/22	Pay Check: 3361	22-00475 LEGAL SERV. 9/2022 GEN.AUTH.	400.00
07-424-3140	LEGAL SERVICES	11/17/22	Pay Check: 3368	22-00746 LEGAL SERV. GEN.AUTH 10/2022	420.00
07-429-1501	BARKWAY PUMP STATION CAPITAL	01/13/22	Expd	DECKMAN MOTOR & PUMP INC. REBUILT HYDROM	2,215.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	04/14/22	Expd	DECKMAN MOTOR & PUMP INC. 2 REBUILT FAIR	8,632.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	06/16/22	Expd	COLONIAL ELECTRIC SUPPLY REPLACE DISCONN	2,861.05
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/13/22	Expd	DECKMAN MOTOR & PUMP INC. 2 - REBUILT HY	2,709.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/13/22	Expd	JWC ENVIRONMENTAL MUFFIN MONSTER	11,255.01
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/13/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 12	3,852.69
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	02/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 1/	1,217.25
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	03/08/22	Expd	KAPPE ASSOCIATES MAGNETIC FLOW METER	6,831.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	04/14/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 3/	3,403.62
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	06/16/22	Expd	PENNONI ASSOCIATES INC. SERV. THRU 5/15/	121.60
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	10/18/22	Pay Check: 3360	22-00474 HME SEWER REPLACEMENT MATERIAL	118,975.50
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	11/16/22	Pay Check: 3366	22-00626 REBUILT HYDROMATIC PUMP	4,514.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	11/17/22	Pay Check: 3369	22-00748 SERV. THRU 10/16/22 HM ESTATES	519.32
07-429-1504	HUNT CO PUMP STATION CAPITAL	01/13/22	Expd	DECKMAN MOTOR & PUMP INC. REBUILT HYDROM	1,870.00
07-429-1505	RCSTP CAPITAL	04/14/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 3/	13,564.75
07-429-1505	RCSTP CAPITAL	05/12/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 4/	1,283.50
07-429-1505	RCSTP CAPITAL	06/16/22	Expd	PENNONI ASSOCIATES INC. SERV. THRU 5/15/	4,005.25
07-429-1505	RCSTP CAPITAL	06/16/22	Expd	TELEDYNE INSTRUMENTS INC. ULTRASONIC FLO	5,605.00
07-429-1505	RCSTP CAPITAL	07/13/22	Expd	COLONIAL ELECTRIC SUPPLY ELECTRICAL PART	3,055.60
07-429-1505	RCSTP CAPITAL	07/13/22	Expd	TRACOM FIBERGLASS PRODUCTS FIBERGLASS MA	18,730.00
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	EXETER SUPPLY COMPANY INC MAX-ADAPTERS-1	3,010.68
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	LEC - LENNI ELECTRIC CORPORATION TROUBLE	6,148.48
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	MAIN LINE CONCRETE 3 CYDS CONCRETE 4000	1,638.30
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	NEW ENTERPRISE STONE & LIME INC. 47.61 T	5,334.11
07-429-1505	RCSTP CAPITAL	08/05/22	Expd	LOWES BUSINESS ACCOUNT/GEFC TREATED LUMB	7,034.29
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	EXETER SUPPLY COMPANY INC SEWER PVC PIPE	3,292.35
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	FOLEY INC. EXCAVATOR, COUPLER & BUCKET R	5,611.00
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	KNOX EQUIPMENT RENTALS INC. LIGHT BANK R	544.50
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	MAIN LINE CONCRETE 3.5 YDS CONCRETE 4000	671.00

Municipal Authority

YTD Revenues and Expenses thru 11/30/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 7/	461.50
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	TRENCHTECH INC. SHORING TO INSTALL METER	3,122.56
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	YALE ELECTRIC SUPPLY CO ELECTRICAL PARTS	919.75
07-429-1505	RCSTP CAPITAL	09/07/22	Pay Check: 3350	22-00049 DECK SCREWS, ANCHORS PLUS	471.07
07-429-1505	RCSTP CAPITAL	09/07/22	Pay Check: 3350	22-00049 DOUBLE JOINT HANGERS & NAILS	74.87
07-429-1505	RCSTP CAPITAL	09/13/22	Pay Check: 3353	22-00111 SERV.THRU 8/14/22 RCSTP SODA	192.75
07-429-1505	RCSTP CAPITAL	09/13/22	Pay Check: 3353	22-00113 SERV.THRU 8/14/22 RCSTP UV	1,928.00
07-429-1505	RCSTP CAPITAL	09/19/22	Pay Check: 3354	22-00191 SELECT STUDS, QUIKRETE, JOIST.	475.70
07-429-1505	RCSTP CAPITAL	09/28/22	Pay Check: 3355	22-00297 DECK SCREENS & DRILL BITS	160.44
07-429-1505	RCSTP CAPITAL	10/11/22	Pay Check: 3357	22-00389 SKID STEER RENTL W/ATTACHMENTS	1,140.00
07-429-1505	RCSTP CAPITAL	10/11/22	Pay Check: 3358	22-00404 PARTS FOR RCSTP DECK	58.20
07-429-1505	RCSTP CAPITAL	10/18/22	Pay Check: 3362	22-00477 SERV.THRU 9/18/22 RCSTP UV	3,941.50
07-429-1505	RCSTP CAPITAL	10/25/22	Pay Check: 3363	22-00497 Heliflow 408 PD Blower	5,221.00
07-429-1505	RCSTP CAPITAL	11/07/22	Pay Check: 3364	22-00449 ELECTRICAL PARTS RCSTP METER	259.80
07-429-1505	RCSTP CAPITAL	11/16/22	Pay Check: 3365	22-00619 VARIOUS PARTS FOR RCSTP METER	450.27
07-429-1505	RCSTP CAPITAL	11/16/22	Pay Check: 3367	22-00727 ADAPTERS, LOCKNUTS, FITTINGS +	96.91
07-429-1505	RCSTP CAPITAL	11/16/22	Pay Check: 3367	22-00728 MOUNT FIXTURE, PIPE, PVC PLUS	356.23
07-429-1505	RCSTP CAPITAL	11/17/22	Pay Check: 3369	22-00747 SERV.THRU 10/16/22 RCSTP SODA	501.53
07-429-1505	RCSTP CAPITAL	11/17/22	Pay Check: 3369	22-00750 SERV.THRU 10/16/22 RCSTP UV	580.25
07-429-1505	RCSTP CAPITAL	11/18/22	Expd	CRED.CARD EXPENSE - BADBOY BLASTER	4,453.00
07-429-1505	RCSTP CAPITAL	11/30/22	Pay Check: 3370	22-00764 REBUILT MYERS PUMPS (2)	8,621.00
07-429-1505	RCSTP CAPITAL	11/30/22	Pay Check: 3371	22-00788 INSTALL NEW FLOW METER RCSTP	5,916.82
07-429-1505	RCSTP CAPITAL	11/30/22	Pay Check: 3372	22-00804 INSTALL WIDE WALK GATE -RCSTP	1,450.00
07-429-1505	RCSTP CAPITAL	11/30/22	Pay Check: 3373	22-00819 TAYMAC GRAY IN-USE COVERS	21.22
07-492-0100	TRANSFER TO GENERAL FUND	08/31/22	Expd	Reimburse 01 for 07 cred.card expense	212.99



# COMMONWEALTH ENGINEERS, INC.

114 East Lancaster Avenue ~ Second Floor ~ Downingtown, PA 19335  
Telephone: (610) 518-9003 ~ Fax: (610) 518-9004 ~ comeng@cei-1.com

December 8, 2022

Mr. Mark S. Miller  
Director of Public Works  
East Goshen Township Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380

Email: mmiller@eastgoshe.org  
Telephone: 610 692 7171

Re: Sewer Availability Letter

Dear Mr. Miller,

Commonwealth Engineers, Inc., hereby requests a standard *Sewer Availability Letter* for the below detailed project:

<b>Applicant:</b>	Planebrook Partners, LLC
<b>Project Name:</b>	301 Reservoir Road
<b>Project Location:</b>	301 Reservoir Road, West Chester
<b>Tax Parcel No. :</b>	5304P 0129 0000)
<b>Township:</b>	East Goshen Township
<b>Project Description:</b>	Proposed subdivision of this 6.8 +/- acre parcel into 5 lots. One lot would contain the existing single-family dwelling and outbuildings (currently utilizing public water and on-site septic), which shall remain. Connection to public sewer for the existing house is proposed. The existing barn will be converted to a single-family dwelling and the remaining 3 proposed lots will each contain 1 single-family dwelling. We are requesting an additional 1,055 gpd (5 EDU's at 211 gpd/EDU)

I've also attached a site plan for ease of reference. Please call if you have any questions or require additional information.

Sincerely,

  
Stacy Turner

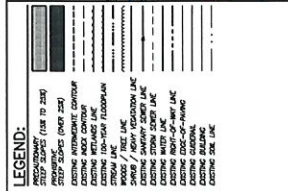
Attachment: Sketch Plan dated November 9, 2022

cc: Michael Ellis, P.E., Municipal Division Manager, Pennoni Associates, Inc.,  
121 Continental Drive, Suite 207, Newark, DE 19713 (via email: MELLIS@Pnnoni.com)

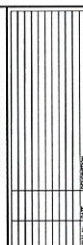
G:\ACTIVE JOBS\2020\202040 Planebrook (301 Reservoir Rd-Papa)\01 Administrative Files\03 Sewer & Water\202040 Sewer Will Serve Request 2022-12-08.doc

**PROFESSIONAL CIVIL ENGINEERING**



[illegible][illegible]

\* TO OBTAIN MORE FLEXIBILITY IN PLACING BUILDINGS IN ALL RESIDENTIAL SUBDIVISIONS OF TWO OR MORE LOTS, AN AVERAGE LOT SHALL BE 45 FEET OR MORE WIDE AND A MINIMUM BUILDING SETBACK OF 45 FEET SHALL BE REQUIRED.



**PENNSILVANIA ONE CALL** is a free, toll-free, 24-hour service that will locate underground utilities for you. Call 1-800-4-A-UTILITY or 1-800-4-28-8464. This service is available to all utility customers in Pennsylvania. For more information, visit our website at [www.paonecall.com](http://www.paonecall.com). **UNDERGROUND UTILITY USERS** are encouraged to call before digging. This service is available to all utility customers in Pennsylvania. For more information, visit our website at [www.paonecall.com](http://www.paonecall.com). **UNDERGROUND UTILITY USERS** are encouraged to call before digging. This service is available to all utility customers in Pennsylvania. For more information, visit our website at [www.paonecall.com](http://www.paonecall.com).

UPI No. 6304P01290000  
TAX PARCEL No. 63-4P-129

SKETCH PLAN  
FOR  
301 RESERVOIR ROAD

DATE:	NOVEMBER 8, 2022	SHEET:	1
SCALE:	AS SHOWN		
SURVEY:	CO		
DRAWN:	LOC		
CHECKED:	WE		

**COMMONWEALTH ENGINEERS, INC.**  
114 EAST LANCASTER AVENUE ~ SECOND FLOOR

TELEPHONE: (610) 518-9003 ~ FAX: (610) 518-9004  
DOWNTOWN, PA 19335

MOD-1-BROOKHOLM  
COMMENCE-1.COM

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Christiana Executive Campus  
121 Continental Drive, Suite 207  
Newark, DE 19713  
T: 302-655-4451  
F: 302-654-2895

www.pennoni.com

December 8, 2022

**East Goshen Township**

Attn: Derek Davis, Township Manager  
1580 Paoli Pike  
West Chester, PA 19380

**RE: Fee Schedule for Year 2023  
East Goshen Township and East Goshen Municipal Authority**

Dear Derek:

Pennoni is proud to serve East Goshen Township and East Goshen Municipal Authority, and we look forward to working with you again in 2023.

Our rates for 2023 for Township and Authority Engineering services are listed below for the categories of staff that most frequently provide services to the Township and Authority. The rates reflect an average increase of 6.0%, which is within the 2023 federal cost of living adjustment (COLA) of 8.7%.

Authority/Township Engineer.....	\$149/hr
Senior Professional .....	\$145/hr
Project Professional .....	\$128/hr
Staff Professional .....	\$117/hr
Associate Professional .....	\$111/hr
Senior Engineering Technician.....	\$107/hr
Graduate Professional .....	\$102/hr
Engineering Technician .....	\$90/hr
Survey Crew (2-Person) .....	\$200/hr

We will continue to provide services to the Township and Authority as requested.

For typical general engineering services to the Authority, we recommend budgeting the following under the expectation of a similar level of effort in 2023 as in the past several years. Similar to previous years, we will establish separate accounts for each activity listed below, and each activity will be invoiced separately.

- General Consultation and monthly meetings (also including SBR tank visual condition inspections, I&I support, and West Goshen project consultation) \* .....\$42,000
- Chapter 94 reports.....\$9,000
- TOTAL .....\$51,000

\*I/I support has been a separate invoicing "project" in past years, but we suggest including it as part of the General Consultation project in 2023 since there has been less engineering effort associated with it in 2022 and as projected into 2023 than in past years since the Public Works Department is aggressively implementing previously established I/I programs.



Other Authority projects outside of general services, as requested, will be proposed separately, such as the following projects that are planned for 2023:

- Hershey's Mill Estates Sewer Replacement Construction Phase Services
- RCSTP Generator Replacement
- Hunt Country Pump Station Metering, Muffin Monster, and Bypass System
- Supplee Valley Sewer Lining

We thank you again for the confidence you have placed in Pennoni over the years and look forward to continuing to serve you in the future!

Sincerely,

**PENNONI ASSOCIATES INC.**



Michael J. Ellis, PE  
Associate Vice President



Nathan M. Cline, PE  
Associate Vice President



FYI

## RECEIPT

10/31/22

## MediaNews Group

PENNSYLVANIA GROUP

Account: **884433**  
 Name: **DEREK DAVIS**  
 Company: **EAST GOSHEN TOWNSHIP**

Address: **1580 PAOLI PIKE**  
**WEST CHESTER, PA 19380**

Telephone: **(610) 692-7171**  
 Fax: **(000) 000-0000**  
 Description: **ADVERTISEMENT EAST GOSHEN MUNICIPAL**

Date: **10/31/22**  
 Start Date: **11/01/22** Stop Date: **11/09/22**  
 Class: **1201 - Legal Notices**  
 Ad ID: **2396632**  
 Ad Taker: **CRRDEAN**  
 Sales Person: **Ryan Dean (018303)**  
 Words: **244**  
 Lines: **59**  
 Agate Lines: **59**  
 Depth: **6.556**  
 Inserts: **4**  
 Blind Box:  
 PO Number:

## Ad sample

**ADVERTISEMENT  
 EAST GOSHEN  
 MUNICIPAL AUTHORITY  
 WEST CHESTER,  
 PENNSYLVANIA**

Sealed bids will be received electronically through PennBid™ by the East Goshen Municipal Authority for Hershey's Mill Estates Sanitary Sewer Replacement, Contract No. HME-2022 until 2:00 PM, prevailing time, on the 5th day of December 2022, at which time they will be publicly read at the East Goshen Township office, 1580 Paoli Pike, West Chester, PA 19380. All documents and solicitation details are available online anytime at no cost at PennBid™ (www.PennBid.net).

Each bid must be accompanied by a certified check or bid bond payable to the Owner in an amount of not less than ten percent (10%) of the bid or bids. Only bonds from companies licensed to do business in the State where the Owner is located will be accepted and the bond shall so state same.

This project involves the construction of 2,907 L.F. of new and replacement 8-inch and 12-inch diameter gravity sewer pipe and eight precast concrete manholes.

A non-mandatory pre-bid meeting will be held on November 10, 2022, at 9:00 AM at the project site, adjacent to 1560 Tanglewood Drive, West Chester, PA 19380.

Bids must be submitted unconditionally. No bidder may

withdraw bid within sixty (60) days after the scheduled closing time for receipt of bids.

The Owner reserves the right to waive any informality, or to reject any or all bids.

Pennsylvania Department of Labor and Industry Prevailing Wage Rates apply to this project.

DLN 11/1, 11/9; 1a

Total: **\$355.98**

Paid Amount: **\$0.00**

Amount Due: **\$355.98**

## Publication

Daily Local News, Daily Local  
 News Digital

*We Appreciate Your Business!*  
*Thank You DEREK DAVIS!*