

**EAST GOSHEN MUNICIPAL AUTHORITY**

**March 8, 2021**

**7:00 PM**

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 8, 2021

5. APPROVAL OF INVOICES

Pennoni Invoice #1060802	\$ 4,372.69
Pennoni Invoice #1060803	\$ 534.50
Pennoni Invoice #1060804	\$ 980.50
Pennoni Invoice #1060805	\$ 780.00
Pennoni Invoice #1060806	\$ 1,212.50
Pennoni Invoice #1060807	\$ 5,281.03
Gawthrop Invoice #238127	\$ 840.00
TrenchTech Invoice #187	\$ 400.00
TrenchTech Invoice #138	\$ 3,197.00
Exeter Supply Invoice #370035	\$ 1,112.20 pd 3/1
Colonial Co. Invoice #13836775	\$ 542.92 pd 3/1
Mallie Invoice #1000109034	\$ 2,525.00 pd 2/26
Foley Invoice #R5698001	\$ 5,665.00 pd 3/1
Foley Rents Invoice (loader) #A7870001	\$ 3,611.00 pd 3/1
Foley Rents Invoice (excavator) #A7878001	\$ 4,790.00 pd 3/1
Colonial Elect. Invoice #13849292	\$ 1,647.99 pd
Hanson Aggregates Invoice #3863680	\$ 6,077.87 pd
Hicks Brothers Invoice #54004	\$ 472.50 pd
Hanson Aggregates Invoice #3864157	\$ 926.29 pd
Knox Rentals Invoice #66972	\$ 127.05 pd
TrenchTech, Inc. Invoice #138-0001	\$ 1,918.00 pd
Trench Tech Inc. Invoice #187-0001	\$ 360.40 pd

Xylem Invoice #401064280  
 Xylem Invoice #401064279

\$ 2,164.80 pd  
 \$ 1,362.40 pd

6. LIAISON REPORTS

7. FINANCIAL REPORTS

a. February Financial Report

8. OLD BUSINESS

- a. West Goshen Sewer Authority Review Westtown Way Pump Station
- b. Pennsylvania Municipal Auth. Assoc. Dues

9. 2021 Goals:

Goal	Status
Make Sure the Plant is in Compliance	On going
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station	On – going, The Comag project is 35% complete. The next major task is to get the building under roof.
Continue to Implement Infiltration and Inflow for the Sewer System	Currently have 4 portable meters on R.C. Lines Just finished TVing Supplee Valley – on going
Implement planned capital projects:	
Caustic Soda Project Mike Ellis is currently working on the Project	\$152,890 DCED grant awarded. Project to be deferred until 2021- paper should be in our hands this week
Replace sewer line HME	
Hunt Country Pump Station Mag Meter Replacement	2021 – on target \$15,000.00
Hunt Country Pump Station Muffin Monster Replacement	2021 – on Target \$67,000.00
Hunt Country Pump Station Bypass Pump	2021 - \$5,000
Two New RC Permanent Flow Meters	Manhole and flow meter ordered for Hibberd Lane. Two other flow meters deferred till 2021 Flow meter has arrived, waiting on meter pit The manhole is installed waiting on PECO for power

10. NEW BUSINESS

a. Resolution for Expenditures

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

March 5, 2021

To: Municipal Authority  
From: Mark Miller  
Re: February 2021 Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 772,000 per day.

**Meters:** The meters were read on a daily basis with no problems to report. The portable flow meters were also read on a weekly basis, the flow information was forwarded to Mike Ellis's office for his review.

**C.C. Collection:** We performed daily maintenance at each pump station. The station generators fuel tanks were topped off and the oil levels were checked. We had to adjust the level rod at the Ashbridge pump station. The wet wells were washed down. We televised and cleaned the sewer main on Grand Oak Lane, we also marked all the laterals for the water main replacement the Aqua is getting ready to begin.

We excavated Christine Lane to repair a problem that we located last month. We replaced a twenty foot length of pipe all the way into the manhole, we also removed the drop inside the manhole and installed a new one. The INI that we eliminated was a significant amount. Lenni Electric performed their yearly preventive maintenance.

**R.C. Collection:** The station was visited on a daily basis, the wet well was cleaned and vacuumed out. We had to replace two manhole castings that were broken during the last snow storm. We started replacing vent caps and cleanout caps on the system again. Lenni performed their routine maintenance to the station. I know that there were 3 lateral repairs in Bow Tree due to stand pipes being pulled out of the frost.



**Ridley Creek Plant:**

Routine maintenance was performed by the Public Works Department. We had to bring Lenni in when we had a blower failure on SBR 3. The drive unit went bad, so the spare blower was put in service while the drive unit was replaced. When I went to order the replacement drive unit I was informed that the unit is no longer made. The supplier informed me that a replacement unit was available on the West Coast so I told them to get it. This will give us a spare unit on the shelf. Lenni performed their annual electrical preventive maintenance for the year. The heater in the screen room needed to be repaired. They also found a bad battery backup on the lift station module. The Public Works Department plugged the line coming into the plant so they could clean the line that flows into the grit chamber. They vacuumed the grit chamber, however we will need to bring Pipe Data View in the clean the line because our jet machine is not powerful to clean the line.

**Alarms:** We responded to 19 alarms for February.

**PA One Calls:** We responded to over 133 PA One Calls for the month of February.

**Monthly Rainfall:** 4.66 inches for the month of February.

**Lateral Caps:** We replaced 2 lateral caps.



H N I

Crushed  
Pipe



Christine Lane



Pipe  
Broken





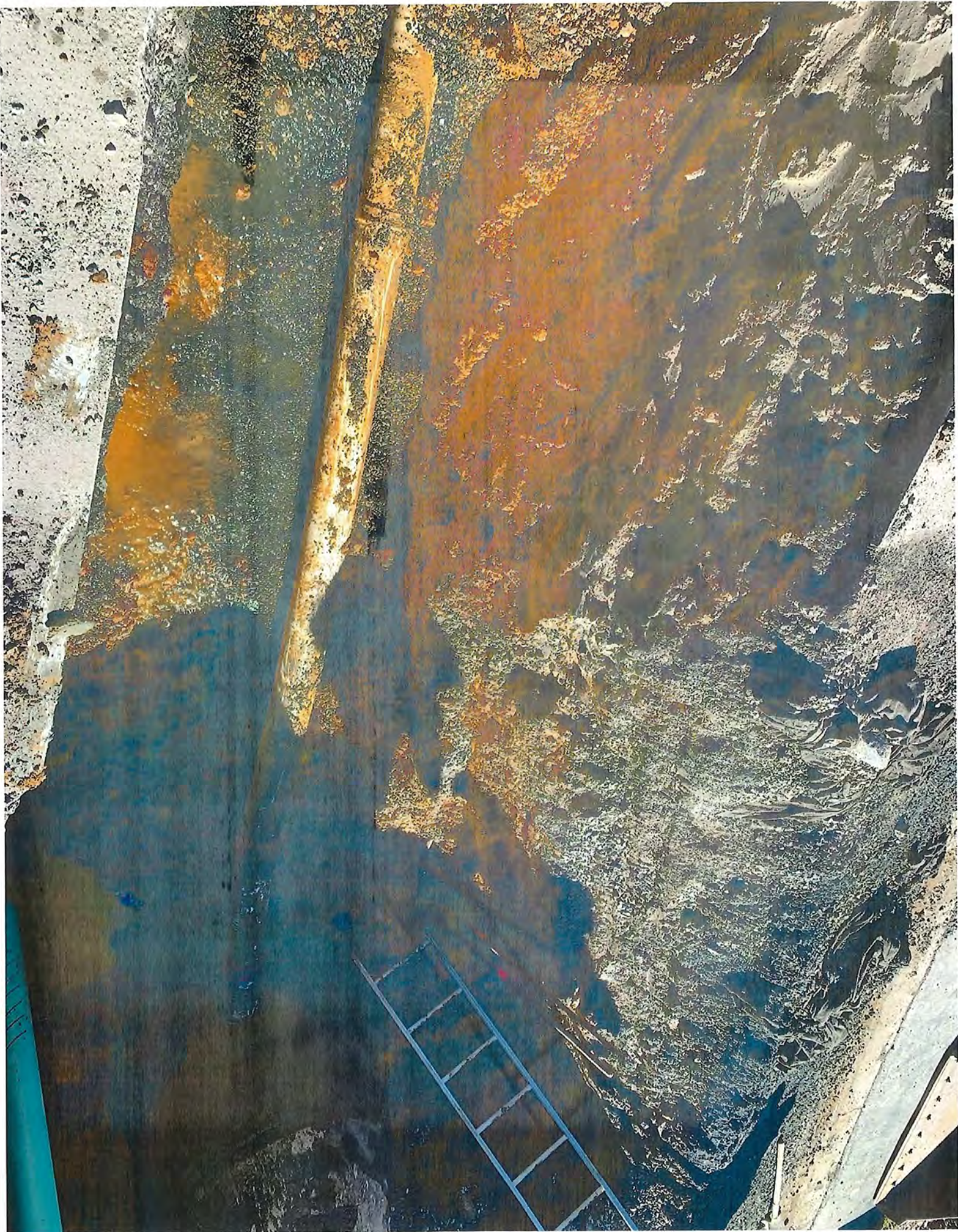






Replaced Pipe













**EAST GOSHEN MUNICIPAL AUTHORITY  
ENGINEER'S REPORT  
March 4, 2021**

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

- Caustic Soda Conversion – Design is ongoing. Drawings were prepared for the proposed process flow diagram, process schematic and electrical plan for the chemical feed system as well as the overall site plan including the location of the tank slab.

**Tallmadge Drive Sewer Main Replacement**

- The 2-year maintenance bond period ends March 21, 2021.

**Ridley Creek Collection System Permanent Meters**

- No activity since our last report. Updated vendor quotes were previously obtained for a new RCSTP influent meter and manhole. The quotes and scope are being evaluated with Public Works.

**Westtown Way Pump Station**

- HRG provided responses to our prior review comments on the proposed pump station upgrade. The responses are currently under review.

**Sanitary Sewer Pipe Rehab**

- Supplee Valley – No activity since our last report. We will coordinate with Public Works on televising additional sewers for development of project scoping and budgeting for a 2022 rehabilitation.
- Hershey's Mill Estates – Survey of the topography and manholes was performed. Wetland delineation is expected to be completed by March 5, at which point remaining survey will be performed for any delineated wetlands. The delineation was delayed a few weeks longer than intended until snow melted. Design will commence the week of March 8. A condition inspection of the existing manholes will be conducted within the next week to evaluate the manholes for suitability of re-use and identify if any manhole repairs are needed. We expect to have preliminary design plans prepared by the end of March for Township review.

**I&I Program**

- Portable meter flow data for the weeks of 2/9 and 2/16 were analyzed, and observations were provided to Mark. Portable meter locations are all in the Ridley Creek Collection System, at Line Rd (MH R-238), Achom (MH R-636), East Boot Rd (MH R-214), and MH R-022 locations.

**New Connections**

- No activity since our last report.

**Chapter 94 Reports**

- We continued flow analyses and preparation of the 2020 reports. The reports will be completed and submitted to PADEP by the March 31, 2021 due date.



**Industrial Pretreatment Ordinance**

- We are moving forward with implementation actions for the industrial wastewater ordinance provisions: a resolution to set additional contaminant levels that trigger the industrial wastewater provisions and creation of an application form and procedure. We anticipate presenting these items at the April MA meeting.

END OF REPORT

## Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of January 2021. Discharge to the Applebrook irrigation lagoon remained off line. Chemical usage utilized for pH and total alkalinity remained consistent with previous months. On February 23<sup>rd</sup>, during routine cleaning, one panel of the filter in one disc within disc filter number 2 was found to be torn that contributed to the elevated TSS during the month. The facility is anticipated to remain within compliance for TSS for February 2021. No other significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. There were no reported odor complaints during the month. The January DMR and all supplemental reports have been submitted.

## Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for the January 2021 DMR.

**Table 1**

<b>January 2021- Final Effluent - Outfall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total		Fecal Coliform	
	MGD		lbs/ month		lbs/ month		lbs/ month		lbs/ month	Geo Mean	Geo Mean
	Average	mg/L		mg/L		mg/L		mg/L			
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		15							
Sample Date											
January 5, 2021	0.351	3.0	8.8	5	14.6	0.636	1.86	0.13	0.38	136	2.1335
January 12, 2021	0.424	5.3	18.7	4	14.1	0.286	1.01	0.21	0.74	1	0.0000
January 19, 2021	0.376	2.1	6.6	4	12.5	0.100	0.31	0.17	0.53	4	0.6021
January 26, 2021	0.373	3.3	10.3	4	12.4	0.100	0.31	0.17	0.53	1	0.0000
<b>Average</b>	0.381	3.4	11.1	4	13.4	0.281	0.87	0.17	0.55	36	0.6839
<b>Minimum</b>	0.351	2.1	6.6	4	12.4	0.100	0.31	0.13	0.38	1	0.0000
<b>Maximum</b>	0.424	5.3	18.7	5	14.6	0.636	1.86	0.21	0.74	136	2.1335

Compliance with the NPDES discharge permit was achieved. The monthly average total phosphorus was reported as 0.17 mg/L as compared to the permit limitation of 0.5 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 mg/L as compared to the discharge limitation of 10 mg/L. The TSS weekly averages are presented below in Table 2.



<b>January 2021 Final Effluent Weekly TSS Averages</b>	
Week 1	5 mg/L
Week 2	4 mg/L
Week 3	4 mg/L
Week 4	4 mg/L

The final effluent test results demonstrate that the biological treatment process performed well during December and January. Sequencing batch reactors (SBRs) numbered 1, 2 and 3 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 on January 11, 2021. Table 3 illustrates the Applebrook sample data reported for outfall 002 for the January 2021 DMR.

**Table 3**

NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total		Fecal Coliform	
	MGD	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	Geo	Geo
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Mean	Mean
	0.135	25		30		2.5	44	0.5	3	200	1,000
		40		45							
January 5, 2021	0.1282	3.0	3.2	5	5.35	0.636	0.68	0.13	0.14	136	2.1335
January 12, 2021	0.0000	No Discharge to Outfall 002									
January 19, 2021	0.0000										
January 26, 2021	0.0000										
<b>Average</b>	0.032	3.0	3.2	5	5.3	0.636	0.68	0.13	0.14	136	2.1335
<b>Minimum</b>	0.000	3.0	3.2	5	5.3	0.636	0.68	0.13	0.14	136	2.1335
<b>Maximum</b>	0.000	3.0	3.2	5	5.3	0.636	0.68	0.13	0.14	136	2.1335

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



Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during January 2021.

**Table 4**

<b>January 2021 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
December 5, 2021	0.482	232	932	240	964	27.2	109	36.2	145	3.8	15.3
December 12, 2021	0.456	258	982	235	894	33.2	126	37.3	142	5.4	20.5
December 19, 2021	0.503	293.0	1,230	238	999	30.0	126	48.3	203	5.5	23.1
December 26, 2021	0.516	281.0	1,210	305	1,314	32.8	141	39.8	171	3.3	14.2
<b>Average</b>	0.4895	266	1,089	255	1,043	31	126	40.4	165	4.5	18.3
<b>Minimum</b>	0.4563	232	932	235	894	27	109	36.2	142	3.3	14.2
<b>Maximum</b>	0.5164	293	1,230	305	1,314	33	141	48.3	203	5.5	23.1

The foam on the SBR surface reduced to approximately 5% to 10% coverage of the surface area. The foam thickness is approximately 1 to 3 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 7.0 mg/L.

Table 5 illustrates the available data for the final effluent composite sample data reported for outfall 001 for use with the February 2021 DMR.



**Table 5**

<b>February 2021- Final Effluent - Outfall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average										
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		15							
Sample Date											
February 2, 2021	0.383	2.0	6.4	12	38.3		0.00	0.22	0.70	136	2.1335
February 9, 2021	0.359	3.7	11.1	6	18.0	0.292	0.87	0.18	0.54	1	0.0000
February 16, 2021	0.497	4.7	19.5	11	45.6	0.100	0.41	0.29	1.20	128	2.1072
February 20, 2021	0.389			6	19.5						
February 23, 2021	0.358										
Average	0.397	3.5	12.3	9	30.3	0.196	0.43	0.23	0.81	88	1.4136
Minimum	0.358	2.0	6.4	6	18.0	0.100	0.00	0.18	0.54	1	0.0000
Maximum	0.497	4.7	19.5	12	45.6	0.292	0.87	0.29	1.20	136	2.1335

Table 6 illustrates the available data for the Applebrook composite sample data reported for outfall 002 for use with the February 2021 DMR. Flow to Applebrook was discontinued on January 11, 2021.

**Table 6**

<b>January 2021 - Applebrook - Out Fall 002</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average										
	0.135	25		30		2.5	44	0.5	3	200	1,000
		40		45							
January 5, 2021	0.1282	3.0	3.2	5	5.35	0.636	0.68	0.13	0.14	136	2.1335
January 12, 2021	0.0000	No Discharge to Outfall 002									
January 19, 2021	0.0000										
January 26, 2021	0.0000										
Average	0.032	3.0	3.2	5	5.3	0.636	0.68	0.13	0.14	136	2.1335
Minimum	0.000	3.0	3.2	5	5.3	0.636	0.68	0.13	0.14	136	2.1335
Maximum	0.000	3.0	3.2	5	5.3	0.636	0.68	0.13	0.14	136	2.1335





Table 7 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during February 2021. The influent wastewater pollutant loadings remain within the design criteria for the treatment process and equipment.

**Table 7**

<b>February 2021 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
February 2, 2021	0.483	253	1,020	355	1,431	38.1	154	45.1	182	5.7	23.0
February 9, 2021	0.441	403	1,481	293	1,077	35.5	130	44.5	164	5.3	19.5
February 16, 2021	0.759	386.0	2,444	330	2,089	26.7	169	49.0	310	5.7	36.1
February 23, 2021	0.529										
<b>Average</b>	0.5530	347	1,648	326	1,532	33	151	46.2	219	5.6	26.2
<b>Minimum</b>	0.4407	253	1,020	293	1,077	27	130	44.5	164	5.3	19.5
<b>Maximum</b>	0.7592	403	2,444	355	2,089	38	169	49.0	310	5.7	36.1

**PA DEP**

No activity

**Significant Rainfall**

During February, precipitation was in the form of snow. There were six (6) days snow events during the month. These events occurred on:

- February 1<sup>st</sup>            4 inches
- February 2<sup>nd</sup>        8 inches
- February 7<sup>th</sup>        3 inches
- February 11<sup>th</sup>      1 inch
- February 18<sup>th</sup>     4.5 inches
- February 23<sup>rd</sup>     3 inches

A total of 23.5 inches of snowfall measured 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

**Chemical Usage:**

February 2021		
Chemical	Daily Average	Total Monthly
Soda Ash	300	8,400
Aluminum Sulfate solution	89.0	2,403

**Flow data:**

February 2021			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	15.399	549,964	1,145,750
Influent Wastewater to SBRs*	13.718	489,929	872,576
Internal Recycle**	0.034	1,236	22,164
Treated Effluent to Disc Filters	13.490	481,774	805,376
Final Effluent Discharge	11.190	332,000	660,000
Applebrook Golf Course	0	0	0

During February, the average monthly influent wastewater flow measured at the “field” flow meter was 549,929 gallons/day as compared to the influent flow into the SBRs as 489,929 gallon/day. The difference is 60,035 gallons, whereas as the flow measured at the SBRs should be greater than that measured in the field as a result of the internal recycle flows from the disc filters and centrifuge.

The elevated flow on February 28<sup>th</sup> was the result of snow melt and rainfall measured. The total precipitation measured on March 1<sup>st</sup> as 1.27 inches.

**Maintenance and Repairs**

On February 23<sup>rd</sup> the galvanized cable for the waste pump in SBR 4 was replaced with a stainless steel cable.

On February 24<sup>th</sup>, during the routine wash down and cleaning, disc filter number 4 was observed to have a disc with torn media. The filter media was replaced for a



Figure 1- Disc Filter number 2

for an entire row of discs. Replacement of all remaining filter media for disc filter number 2 was completed on February 27<sup>th</sup>. The labor effort required three (3) operators to remove the panels and media, clean panel, install media and reinstall panels within the disc filter tank. Replacement of the filter media for disc filter number is planned for March 6<sup>th</sup>.





Figure 2 -Disc filter 2 new filter media for one row

Replacement of the disc filter media was delayed until all of the decanter valves in the SBRs were replaced. The reasoning was to replace all decanter valves to ensure no excessive solids would pass through the decanters resulting towards stressing the new filter media.

Beginning February 24<sup>th</sup>, SBR 1 was removed from service with the contents transferred to SBR 4. SBR 1 is the remaining sole SBR where the decanter valves have not been replaced. McGovern has been scheduled to clean the tank in preparation towards replacing the decanter valves.

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**February 8, 2021**

The East Goshen Township Municipal Authority held their regular meeting on Monday, February 8, 2021 at 7:00 pm. Due to restrictions caused by the COVID-19 virus, the meeting was held via electronic conferencing Zoom. Members in attendance were: Chairman Dana Pizarro, Phil Mayer, Jack Yahraes, Kevin Cummings, and Walter Wujcik. Also in attendance were: Mark Miller (Director of Public Works), Mike Ellis (Pennoni), Patrick Mckenna (Gawthrop), Michael Lynch (Township Supervisor) and Scott Towler (Plant Operator).

**COMMON ACRONYMS:**

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

**Call to Order & Pledge of Allegiance**

Dana called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our medical and healthcare staffs, first responders and troops. Dana asked if anyone would be recording the meeting. There was no response.

**Chairman’s Report**

1. Phil reported that he could not log into the West Goshen Sewer Authority’s meeting.
2. Mark spoke with Mike Moffa of West Goshen about a meeting. Mike Moffa wants to wait until they get a report from their engineer. Kevin requested that Mark discuss the timing of the project and payment when he meets with them.
3. Dana congratulated Patrick McKenna on his appointment as President of the Chester County Bar Association.

**Sewer Reports**

**1. Director of Public Works, Mark Miller’s report for January 2021**

**Monthly Flows:** The average daily flow to West Goshen was 773,000 per day.

**Meters:** The meters were read on a daily basis with no problems to report. The portable flow meters were also read once a weekly basis. The flow information was forwarded to Mike Ellis’s office for his review.

**C.C. Collection** – We performed daily maintenance at each pump station. The pumps hat were sent to Deckman Electric have been torn down and are waiting on parts. We inspected the water mains going in on Williams Way and Edith Lane because of the Ashbridge force main being so close to the water main. We found that the main is not where the plan showed it. The

1 pipe does have stone around it, we have to GPS the line so we know its exact location going  
2 forward. On a recent road complaint, we found depression in the street. This was caused when  
3 a fernco connection failed. This is scheduled for repair on 2-8-2021.

4 **R.C. Collection** - The station was checked daily. We are still continuing with grease removal.  
5 We installed the new metering manhole on East Boot Road. It was not an easy project. The  
6 ground water was a challenge but the guys finally were able to establish an 8" sump pump to  
7 remove the ground water, while we utilized our pump for the bypass. Once the excavation was  
8 done they built a form and poured a 10" floor which the capsule will occupy. We allowed the  
9 concrete to cure. On Tuesday the guys got everything ready to set and secure the capsule. They  
10 plugged the line and bypassed the water with a pump while they made the connections. The  
11 unit was leveled and secured and then backfilled with ¼ stone.  
12 Lenni has applied to PECO for a service connection. All the materials are on site awaiting PECO  
13 to give us the service connection. John Laidly was on site last week to go over his portion of the  
14 job.

15 **Alarms:** We responded to 21 alarms in January.

16 **PA One Calls:** We responded to over 62 PA One Calls for the month of January.

17 **Rainfall:** 2.27 inches for the month of January.

18 **Lateral Caps:** We replaced 2 lateral caps. (Cherry Lane, Locust Street)

19

## 20 **2. Pennoni Engineer's Report for January dated February 4, 2021**

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

- 22 • Caustic Soda Conversion – We initiated design work and vendor coordination for the bulk  
23 storage tank and other equipment. A kick-off meeting was conducted with Mark and the  
24 RCSTP operator, Matt, at the site prior to initiation of design work.

### 25 **Tallmadge Drive Sewer Main Replacement**

- 26 • The 2-year maintenance bond period ends March 21, 2021.

### 27 **Ridley Creek Collection System Permanent Meters**

- 28 • We provided limited construction phase assistance during installation of the Hibberd Lane  
29 permanent meter and manhole.
- 30 • Updated vendor quotes were obtained for a new RCSTP influent meter and manhole. The  
31 quotes and scope are being evaluated with Public Works.

### 32 **Sanitary Sewer Pipe Rehab**

- 33 • Supplee Valley – No activity since our last report. We are coordinating with Public Works on  
34 televising additional sewers. Upon review of the videos, we will develop a scope and cost  
35 estimate for cured-in-place pipe lining and any other needed repairs to the asbestos cement  
36 pipes. The estimate is anticipated to be the basis for the project budgeting in 2022.
- 37 • Hershey's Mill Estates – We attended a permit pre-application meeting virtually with Rick,  
38 Mark, PADEP, and the Army Corps of Engineers (USACE). The project is expected to be  
39 eligible for PADEP General Permits for waterway work provided there are no permanent

1 wetland or stream channel impacts; a more intensive individual USACE permit will not be  
2 required in that case. As such, one manhole that is currently in the streambank will be  
3 planned for abandonment, and a replacement manhole will be installed farther away from the  
4 stream. Otherwise, the stream channel would need to be re-aligned to permanently protect the  
5 existing manhole, triggering USACE permitting. The project is otherwise planned to proceed  
6 as previously discussed with the Municipal Authority. We submitted a proposal for design  
7 and permitting and we will initiate environmental and survey work and perform a condition  
8 inspection of the manholes immediately upon authorization to proceed.

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

- 10 • We reviewed portable meter data and provided observations and recommendations for further  
11 investigations at certain metering location to Mark.

### 12 **New Connections**

- 13 • No activity since our last report.

### 14 **Industrial Pretreatment Ordinance**

- 15 • We are preparing recommended implementation actions for the industrial wastewater  
16 ordinance provisions. West Goshen confirmed the current ordinance standards are identical to  
17 their standards, so no further ordinance updates are needed as they relate to West Goshen, nor  
18 are any updates recommended as they relate to the Ridley Creek system. The implementation  
19 actions are to develop a resolution to set additional contaminant levels that trigger the  
20 industrial wastewater provisions and to create an application form and procedure. We  
21 anticipate presenting these items at the March MA meeting.  
22  
23

### 24 **3. Big Fish Environmental Services –**

25 Scott reported that the plant is in compliance for November. No equipment issues. They handled the  
26 snow and Christmas storms. Matt is on quarantine. Mark is sanitizing the plant every day. Scott filed  
27 the DEP reports. He confirmed the reports that the MA is getting now. Kevin feels this is  
28 duplication. Scott can send acknowledgment of sending the DEP report. Dana asked, for the ABC  
29 meeting, if the plant was in compliance for all of 2020. Scott answered yes. Scott reviewed some of  
30 the current numbers. He confirmed that the staff is Matt, Matthew and Gabrielle. Fred Walton could  
31 help if necessary. Jack asked about the COVID vaccine. Pat verified that they are 1c phase. Scott  
32 corrected all of the spreadsheets.  
33  
34

### 35 **Approval of Minutes**

36 Jack moved to approve the January 11, 2021 minutes as amended. Walter seconded the motion. The  
37 motion passed unanimously.  
38

### 39 **Approval of Invoices**

40 Kevin moved to approve payment of the 5 Pennoni invoices totaling \$8,583.75 as listed on the  
41 agenda. Walter seconded the motion. There was no discussion. The motion passed unanimously.

42 Kevin moved to approve payment of the Xylem invoice for \$6,148.42. Jack seconded the  
43 motion. The motion passed unanimously.

1 Kevin moved to approve payment of the Main Line Concrete invoice for \$462.00. Walter  
2 seconded the motion. The motion passed unanimously.  
3

4 **Liaison Reports**

5 1. Conservancy Board – Walter reported that the next meeting is this Wednesday. They will discuss  
6 the tentative date for Keep East Goshen Beautiful Day of April 17, 2021. North Chester Road will  
7 not be included for volunteers to clean. They will look at Clymer’s Woods shrubs and fencing.

8 2. Board of Supervisors – Mike Lynch commented that the BOS annual planning meeting with the  
9 ABCs went very well. The Futurist Committee is going to do a survey of the residents. A member of  
10 the committee works for a company that will provide the survey. Still looking at candidates for  
11 Director of Finance and Township Manager. The Business Park Task Force is getting ready to  
12 interview owners to see what their plans are. QVC is in the process of selling their property to CTDI.  
13 The M&T bank property has been sold to an investor. Tesla has looked at a property for a training  
14 center. Sewer rates will be reviewed.  
15

16 **Financial Reports**

17 Chris Boylan provided the following report:

18 In December, the Municipal Authority recorded \$454.00 in revenues (from transfers) and \$66.00 in  
19 expenses for a positive variance of \$388.00. As of January 31, 2021, the fund balance was \$6,761.  
20

21 **Old Business**

22 None  
23

24 **Goals**

25 Dana presented the Accomplishments for 2020 and Goals for 2021 at the BOS Annual Planning  
26 Meeting of the ABCs. The BOS will review and assign goals for 2021.  
27

28 **New Business**

29 1. Maillie Audit Fee – The proposed fee is \$10,000. Mark Miller mentioned that the audit is done.  
30 The contract has to be signed. Kevin mentioned that they contacted him and he supplied the  
31 information they requested. Kevin moved to approve the Maillie proposal for \$10,000. Walter  
32 seconded the motion. The motion passed unanimously. Dana will sign the contract.

33 2. Hershey Mill Estates Sewer Replacement – Mike Ellis got guidance on what will be needed for  
34 this project. Provided the stream isn’t moved, they can get general permitting. The one manhole at  
35 the edge of the stream will be abandoned and a new one installed. The piping that currently goes  
36 under the tennis courts, will be placed around the tennis courts. The manhole in the tennis courts will  
37 be abandoned. To get General Permits 11 & 8, they will do a wetlands assessment, a bog turtle study,  
38 field survey, and put together a design plan. They will accelerate the process wherever they can.  
39 Mike won’t have the bids due until the permits are received. Dana feels the fees are reasonable.  
40 They need to look at financing for this project. Mike Lynch mentioned sewer rates. Mark Miller  
41 talked to the residents to let them know what is being done. Phil moved to approve the lump sum of  
42 \$64,800.00. Walter seconded the motion. The motion passed unanimously.  
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3. Delaware River Basin - Kevin mentioned that the Delaware River Basin fee will be coming up in March of \$638 and commented that this is a discharge fee.

**Any Other Matter**

1. Resolution – Mark Miller mentioned that they received a resolution for capital expenses. Patrick also received it and had it reviewed. It does require putting the amount of debt in the resolution. He described the process. He feels it has to be reviewed with changes he recommends. Mike Lynch doesn't feel it has to be approved tonight. Patrick red lined it and sent it to Rick Smith. They will have it ready for the March meeting.

**Correspondence**

1. Dana mentioned that a letter regarding a variance request was received.

**Public Comment**

1. Russ Frank, 451 Gateswood Dr. asked about the Westtown spur. Dana explained the agreement East Goshen has with West Goshen. Currently our plant can't handle the flow that we send to West Goshen. Phil mentioned that if we didn't use West Goshen, we would have to build a pump station. Mr. Frank mentioned the \$1 million estimate for the Hershey Mill project and asked when it was discovered. Dana commented that there was an estimate of \$975,000. We won't know about funding for another month or so. Mark confirmed that the problem developed in November 2020. Mike Lynch explained the situation and possible funding. Dana mentioned that Mark Miller has been televising the sewer system over the past couple of years. Mr. Frank thanked the Authority for their time.

**Adjournment**

There being no further business Jack moved to adjourn the meeting. Walter seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:30 pm. The next regular meeting will be held on Monday, March 8, 2021 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer, Recording Secretary



# INVOICE

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

Rick Smith  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1060802  
Invoice Date : 02/25/2021  
Project : EGMAU20004  
Project Name : RCSTP Caustic Soda  
Conversion

---

**For Services Rendered Through 02/14/2021**

Attended project kick-off meeting at site with M. Miller and plant operator, initiated plan preparation and design, and coordinated with tank vendors.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting	\$26,500.00	\$0.00	16.50%	\$4,372.69	\$4,372.69
02 -- Construction Phase Services	est. \$5,400.00	\$0.00		\$0.00	\$0.00
<b>Total :</b>	<b>\$31,900.00</b>	<b>\$0.00</b>		<b>\$4,372.69</b>	<b>\$4,372.69</b>

**Amount Due This Invoice**

**\$4,372.69**

*ok 3/5/2021  
ok  
M&M*

West Goshen RCSTP Caustic Soda Conversion  
EGMAU20004 Invoice Summary  
Invoice Date 2/25/2021

<b>Project:</b>	EGMAU20004		
<b>Pennoni Job No.:</b>	RCSTP Caustic Soda Conversion		
<b>Invoice No:</b>	<b>1060802</b>		
<b>Invoice Period:</b>	NTP	to	2/14/2021
<b>Initial Authorization:</b>	\$ 31,900.00	<b>Date:</b>	2/25/2021
<b>Contract Amount:</b>	\$ 31,900.00		
<b>Previously Invoiced:</b>	\$ -		
<b>Current Invoice:</b>	\$ 4,372.69		
<b>Invoiced to Date (\$):</b>	\$ 4,372.69		
<b>Invoiced to Date (%):</b>	14%		
<b>Remaining Budget (\$):</b>	\$ 27,527.31		
<b>Remaining Budget (%):</b>	86%		

**Budget by Phase:**

<b>Phase Name:</b>	RCSTP Caustic Soda Conversion		
<b>Phase Budget:</b>	\$ 31,900.00		
<b>Previously Invoiced:</b>	\$ -		
<b>Current Invoice:</b>	\$ 4,372.69		
<b>Invoiced to Date (\$):</b>	\$ 4,372.69		
<b>Invoiced to Date (%):</b>	14%		
<b>Remaining Budget (\$):</b>	\$ 27,527.31		
<b>Remaining Budget (%):</b>	86%		

**Comments:** Attended project kick-off meeting at site with M. Miller and plant operator, initiated plan preparation and design, and coordinated with tank vendors.





# INVOICE

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P.O. Box 827328  
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Rick Smith  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1060803  
Invoice Date : 02/25/2021  
Project : EGMAU20007  
Project Name : Hershey's Mill  
Estates Sewer  
Replacement

---

**For Services Rendered Through 02/14/2021**

Note: This project invoice is for condition assessment and PADEP pre-application permitting work that was authorized in advance and separate of the Hershey's Mill Estates Sewer Design & Permitting project (project # EGMAU21004).

Prepared for PADEP waterways permitting pre-application meeting; Authority Engineer, Associate Professional, and Senior Environmental Scientist attended virtual pre-application meeting; and performed follow-up evaluation to determine approach to project design within confines of PADEP General Permitting process.

**Labor**

	Hours	Rate	Amount
Authority Engineer	2.00	132.00	264.00
Senior Professional	1.00	125.00	125.00
Associate Professional	1.50	97.00	145.50
Totals	4.50		534.50
<b>Total Labor</b>			<b>534.50</b>
		<b>Total this Invoice</b>	<b><u><u>\$534.50</u></u></b>

*ok*  
*3/5/21*  
*WMM*

West Goshen Sewer System Consultation  
EGMAU20007 Invoice Summary  
Invoice Date 2/25/2021

**Project:** EGMAU20007  
**Pennoni Job No.:** Hershey's Mill Estates Sewer Replacement  
**Invoice No:** 1060803  
**Invoice Period:** 1/18/2021 to 2/14/2021  
**Initial Authorization:** \$ - **Date:** 2/25/2021  
**Contract Amount:** \$ -  
**Previously Invoiced:** \$ 5,552.50  
**Current Invoice:** \$ 534.50  
**Invoiced to Date (\$):** \$ 6,087.00  
**Invoiced to Date (%):**  
**Remaining Budget (\$):**  
**Remaining Budget (%):**

**Budget by Phase:**

**Phase Name:** Hershey's Mill Estates Sewer Replacement  
**Phase Budget:** \$ -  
**Previously Invoiced:** \$ 5,552.50  
**Current Invoice:** \$ 534.50  
**Invoiced to Date (\$):** \$ 6,087.00  
**Invoiced to Date (%):**  
**Remaining Budget (\$):**  
**Remaining Budget (%):**

**Comments:** Note: This project invoice is for condition assessment and PADEP pre-application permitting work that was authorized in advance and separate of the Hershey's Mill Estates Sewer Design & Permitting project (project # EGMAU21004).

Prepared for PADEP waterways permitting pre-application meeting; Authority Engineer, Associate Professional, and Senior Environmental Scientist attended virtual pre-application meeting; and performed follow-up evaluation to determine approach to project design within confines of PADEP General Permitting process.



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P.O. Box 827328  
Philadelphia, PA 19182-7328

Rick Smith  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1060804  
Invoice Date : 02/25/2021  
Project : EGMAU21001  
Project Name : 2021 General  
Services

---

**For Services Rendered Through 02/14/2021**

February Engineer's Report; prepared for and attend February MA meeting including review of RCSTP operator's report; reviewed and provided comments on 2021 MA goals; discussed industrial wastewater ordinance review and recommendations with Township staff; construction support for Hibberd Ln permanent meter and manhole installation; and obtained new quotes for RCSTP permanent meter and manhole.

Billing Limits	Current	Prior	To-Date
Total Billings	980.50	1,233.25	2,213.75
Limit			30,000.00
Remaining			27,786.25

**Labor**

	Hours	Rate	Amount
Authority Engineer	4.75	132.00	627.00
Senior Professional	.50	125.00	62.50
Associate Professional	3.00	97.00	291.00
Totals	8.25		980.50
<b>Total Labor</b>			<b>980.50</b>

**Total this Invoice** \$980.50

3/5/2021  
MSM

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

---

West Goshen Sewer System Consultation  
EGMAU21001 Invoice Summary  
Invoice Date 2/25/2021

<b>Project:</b>	EGMAU21001		
<b>Pennoni Job No.:</b>	2021 General Services		
<b>Invoice No:</b>	<b>1060804</b>		
<b>Invoice Period:</b>	1/18/2021	to	2/14/2021
<b>Initial Authorization:</b>	\$ 30,000.00	<b>Date:</b>	2/25/2021
<b>Contract Amount:</b>	\$ 30,000.00		
<b>Previously Invoiced:</b>	\$ 1,233.25		
<b>Current Invoice:</b>	\$ 980.50		
<b>Invoiced to Date (\$):</b>	\$ 2,213.75		
<b>Invoiced to Date (%):</b>			
<b>Remaining Budget (\$):</b>	\$ 27,786.25		
<b>Remaining Budget (%):</b>	93%		

**Budget by Phase:**

<b>Phase Name:</b>	2021 General Services		
<b>Phase Budget:</b>	\$ 30,000.00		
<b>Previously Invoiced:</b>	\$ 1,233.25		
<b>Current Invoice:</b>	\$ 980.50		
<b>Invoiced to Date (\$):</b>	\$ 2,213.75		
<b>Invoiced to Date (%):</b>			
<b>Remaining Budget (\$):</b>			
<b>Remaining Budget (%):</b>			

**Comments:** February Engineer's Report; prepared for and attend February MA meeting including review of RCSTP operator's report; reviewed and provided comments on 2021 MA goals; discussed industrial wastewater ordinance review and recommendations with Township staff; construction support for Hibberd Ln permanent meter and manhole installation; and obtained new quotes for RCSTP permanent meter and manhole.



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P.O. Box 827328  
Philadelphia, PA 19182-7328

Rick Smith  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1060805  
Invoice Date : 02/25/2021  
Project : EGMAU21002  
Project Name : 2021 I&I Support and Reports

---

**For Services Rendered Through 02/14/2021**

Analyzed portable meter data for weeks ending 2/1/2021 and 2/9/2021, submitted written observations and recommendations, and discussed with M. Miller.

Billing Limits	Current	Prior	To-Date
Total Billings	780.00	398.75	1,178.75
Limit			11,000.00
Remaining			9,821.25

**Labor**

	Hours	Rate	Amount
Authority Engineer	1.50	132.00	198.00
Associate Professional	6.00	97.00	582.00
Totals	7.50		780.00
<b>Total Labor</b>			<b>780.00</b>
<b>Total this Invoice</b>			<b><u><u>\$780.00</u></u></b>

*ok MML  
3/8/21*

West Goshen Sewer System Consultation  
EGMAU21002 Invoice Summary  
Invoice Date 2/25/2021

**Project:** EGMAU21002  
**Pennoni Job No.:** 2021 I&I Support and Reports  
**Invoice No:** 1060805  
**Invoice Period:** 1/18/2021 to 2/14/2021  
**Initial Authorization:** \$ 11,000.00 **Date:** 2/25/2021  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ 398.75  
**Current Invoice:** \$ 780.00  
**Invoiced to Date (\$):** \$ 1,178.75  
**Invoiced to Date (%):** 11%  
**Remaining Budget (\$):** \$ 9,821.25  
**Remaining Budget (%):** 89%

**Budget by Phase:**

**Phase Name:** 2021 I&I Support and Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ 398.75  
**Current Invoice:** \$ 780.00  
**Invoiced to Date (\$):** \$ 1,178.75  
**Invoiced to Date (%):** 11%  
**Remaining Budget (\$):** \$ 9,821.25  
**Remaining Budget (%):** 89%

**Comments:** Analyzed portable meter data for weeks ending 2/1/2021 and 2/9/2021, submitted written observations and recommendations, and discussed with M. Miller.



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P.O. Box 827328  
Philadelphia, PA 19182-7328

Rick Smith  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1060806  
Invoice Date : 02/25/2021  
Project : EGMAU21003  
Project Name : 2020 Chapter 94  
Reports

---

**For Services Rendered Through 02/14/2021**

Continued analysis of meter data, and initiated preparation of Westtown, West Goshen, and RCSTP Chapter 94 Reports.

Billing Limits	Current	Prior	To-Date
Total Billings	1,212.50	533.50	1,746.00
Limit			8,000.00
Remaining			6,254.00

**Labor**

	Hours	Rate	Amount
Associate Professional	12.50	97.00	1,212.50
Totals	12.50		1,212.50
<b>Total Labor</b>			<b>1,212.50</b>
<b>Total this Invoice</b>			<b><u>\$1,212.50</u></b>

*OK 3/5/2021  
MSM*

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

---

West Goshen 2020 Chapter 94 Reports  
EGMAU21003 Invoice Summary  
Invoice Date 2/25/2021

<b>Project:</b>	EGMAU21003		
<b>Pennoni Job No.:</b>	2020 Chapter 94 Reports		
<b>Invoice No:</b>	<b>1060806</b>		
<b>Invoice Period:</b>	NTP	to	2/14/2021
<b>Initial Authorization:</b>	\$ 8,000.00	<b>Date:</b>	2/25/2021
<b>Contract Amount:</b>	\$ 8,000.00		
<b>Previously Invoiced:</b>	\$ -		
<b>Current Invoice:</b>	\$ 1,212.50		
<b>Invoiced to Date (\$):</b>	\$ 1,212.50		
<b>Invoiced to Date (%):</b>	15%		
<b>Remaining Budget (\$):</b>	\$ 6,787.50		
<b>Remaining Budget (%):</b>	85%		

**Budget by Phase:**

<b>Phase Name:</b>	2020 Chapter 94 Reports		
<b>Phase Budget:</b>	\$ 8,000.00		
<b>Previously Invoiced:</b>	\$ -		
<b>Current Invoice:</b>	\$ 1,212.50		
<b>Invoiced to Date (\$):</b>	\$ 1,212.50		
<b>Invoiced to Date (%):</b>	15%		
<b>Remaining Budget (\$):</b>	\$ 6,787.50		
<b>Remaining Budget (%):</b>	85%		

**Comments:** Continued analysis of meter data, and initiated preparation of Westtown, West Goshen, and RCSTP Chapter 94 Reports.





# INVOICE

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Pennoni Associates Inc.  
P.O. Box 827328  
Philadelphia, PA 19182-7328

Rick Smith  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1060807  
Invoice Date : 02/25/2021  
Project : EGMAU21004  
Project Name : HM Estates Sewer  
Design & Permitting

---

**For Services Rendered Through 02/14/2021**

Performed field survey and initiated project design.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Wetland & Watercourse Investigation	\$6,750.00	\$0.00	0.00%	\$0.00	\$0.00
02 -- Phase I Bog Turtle Habitat Assessment	\$6,750.00	\$0.00	0.00%	\$0.00	\$0.00
03 -- Survey	\$17,200.00	\$0.00	29.25%	\$5,031.32	\$5,031.32
04 -- Design	\$26,100.00	\$0.00	0.96%	\$249.71	\$249.71
05 -- Permitting	\$8,000.00	\$0.00	0.00%	\$0.00	\$0.00
<b>Total :</b>	<u>\$64,800.00</u>	<u>\$0.00</u>		<u>\$5,281.03</u>	<u>\$5,281.03</u>

**Amount Due This Invoice** \$5,281.03

*ok with  
3/5/2021*

West Goshen HM Estates Sewer Design Permitting  
EGMAU21004 Invoice Summary  
Invoice Date 2/25/2021

<b>Project:</b>	EGMAU21004		
<b>Pennoni Job No.:</b>	HM Estates Sewer Design & Permitting		
<b>Invoice No:</b>	1060807		
<b>Invoice Period:</b>	NTP	to	2/14/2021
<b>Initial Authorization:</b>	\$ 64,800.00	<b>Date:</b>	2/25/2021
<b>Contract Amount:</b>	\$ 64,800.00		
<b>Previously Invoiced:</b>	\$ -		
<b>Current Invoice:</b>	\$ 1,189.54		
<b>Invoiced to Date (\$):</b>	\$ 1,189.54		
<b>Invoiced to Date (%):</b>	2%		
<b>Remaining Budget (\$):</b>	\$ 63,610.46		
<b>Remaining Budget (%):</b>	98%		

**Budget by Phase:**

<b>Phase Name:</b>	HM Estates Sewer Design & Permitting		
<b>Phase Budget:</b>	\$ 64,800.00		
<b>Previously Invoiced:</b>	\$ -		
<b>Current Invoice:</b>	\$ 1,189.54		
<b>Invoiced to Date (\$):</b>	\$ 1,189.54		
<b>Invoiced to Date (%):</b>	2%		
<b>Remaining Budget (\$):</b>	\$ 63,610.46		
<b>Remaining Budget (%):</b>	98%		

**Comments:** Performed field survey and initiated project design.



Gawthrop Greenwood, PC  
Attorneys at Law

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

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
02/09/2021  
Client No: 6604-001M  
Invoice No. 238127

General Authority Services

Fees

		Hours	
01/08/2021			
PMM	Review and analyze agenda in preparation for meeting.	0.40	
01/11/2021			
PMM	Attend authority board meeting via Zoom.	<u>2.10</u>	
	For Current Services Rendered	2.50	<u>500.00</u>

		Recapitulation		
<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna		2.50	\$200.00	\$500.00
	Previous Balance			\$340.00
	Total Current Charges			500.00
	Balance Due			<u>\$840.00</u>

*msd*

To ensure proper credit, please write client number on your check when returning payment. Thank You.  
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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1979 OLD BRISTOL PIKE  
MORRISVILLE, PA 19067  
Phone: 800-443-6832  
Fax: 215-547-3855

Remit To:  
TRENCHTECH, INC  
PO BOX 3039  
MAPLE GLEN, PA 19002

## RENTAL OUT

Customer: 1663  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380

Contract #: 187  
Contract dt.: 1/12/21  
Date out: 1/12/21 7:00 AM  
Est return: 2/09/21 5:00 PM  
Job Loc: CUSTOMER P/U, MORRISVILLE  
Job No: 1 - EAST GOSHEN TOWN  
P.O. #: N/A  
Ordered By: KEVIN MILLER  
Terms: Net 30 Days  
Sales Rep: CONNOR KERRIGAN  
Written by: TANYA BAUMAN

Job Site:  
EAST GOSHEN TOWNSHIP  
CUSTOMER P/U  
MORRISVILLE, PA 19067  
Job Tell:

Qty	Equipment #	Day	Week	4 Week	Amount
-----	-------------	-----	------	--------	--------

4	6' ALUM. CORNER	10.00	30.00	90.00	400.00
64	PINS AND KEEPERS				

10' sling

Sub-total: 400.00  
Tax: ~~24.00~~  
Total: 424.00

ok  
MSM  
3/5/2021  
400.00

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:

<http://www.shoringsolutions.com/product-terms-and-conditions.php>

The online terms & conditions are subject to change, terms and conditions in effect at the time of each new delivery shall be those on the website at the time of such delivery

"This document is a contract which includes all the terms and conditions on the reverse side hereof. This above name Renter, by acceptance of delivery of the equipment listed herien, authorized the signed to enter into this contract on behalf of the Renter"

Print Name:

DATE

Signature: Vince

DATE

TABULATED DATA RECEIVED

Please Initial





# TRENCHTECH, INC

Trench Shoring Solutions

www.shoringsolutions.com

1979 OLD BRISTOL PIKE  
MORRISVILLE, PA 19067  
Phone: 800-443-6832  
Fax: 215-547-3855

Remit To:  
TRENCHTECH, INC  
PO BOX 3039  
MAPLE GLEN, PA 19002

## RENTAL OUT

Customer: 1663  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380

Job Site:  
EAST GOSHEN TOWNSHIP  
CUSTOMER P/U  
MORRISVILLE, PA 19067  
  
Job Tel#:

Contract #... 187  
Contract dt. 1/12/21  
Date out.... 1/12/21 7:00 AM  
Est return.. 2/09/21 5:00 PM  
Job Loc..... CUSTOMER P/U, MORRISVILLE  
Job No..... 1 - EAST GOSHEN TOWN  
P.O. #..... N/A  
Ordered By.. KEVIN MILLER  
Terms..... Net 30 Days  
Sales Rep: CONNOR KERRIGAN  
Written by.. TANYA BAUMAN

Qty	Equipment #	Day	Week	4 Week	Amount
-----	-------------	-----	------	--------	--------

4	6' ALUM. CORNER	10.00	30.00	90.00	400.00
64	PINS AND KEEPERS				

10' sling

Sub-total: 400.00  
Tax: 24.00  
Total: 424.00

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 7929-1505

W/let 3/5/2021

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:

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"This document is a contract which includes all the terms and conditions on the reverse side hereof. This above name Renter, by acceptance of delivery of the equipment listed herien, authorized the signed to enter into this contract on behalf of the Renter"

Print Name: \_\_\_\_\_

DATE \_\_\_\_\_

Signature: Vince

DATE \_\_\_\_\_

TABULATED DATA RECEIVED  
\_\_\_\_\_  
Please Initial





1979 OLD BRISTOL PIKE  
 MORRISVILLE, PA 19067  
 Phone: 800-443-6832  
 Fax: 215-547-3855

Remit To:  
 TRENCHTECH, INC  
 PO BOX 3039  
 MAPLE GLEN, PA 19002

## RENTAL OUT

Customer: 1663  
 EAST GOSHEN TOWNSHIP  
 1580 PAOLI PIKE  
 WEST CHESTER, PA 19380

Contract #: 138  
 Contract dt: 1/05/21  
 Date out...: 1/07/21 7:00 AM  
 Est return..: 2/04/21 5:00 PM  
 Job Loc.....: CUSTOMER P/U, MORRISVILLE  
 Job No.....: 1 - EAST GOSHEN TOWN  
 P.O. #.....: N/A  
 Ordered By..: MARK MILLER  
 Terms.....: Net 30 Days  
 Sales Rep: CONNOR KERRIGAN  
 Written by..: TANYA BAUMAN

Job Site:  
 EAST GOSHEN TOWNSHIP  
 CUSTOMER P/U  
 MORRISVILLE, PA 19067  
 Job Tel#:

Qty	Equipment #	Day	Week	4 Week	Amount
1	SHORE-RENT	303.00	909.00	2727.00	3030.00
1	8' NYLON LIFTING SLING	17.00	50.00	150.00	167.00
28	2' X 12' BUILD-A-BOX PANEL				
4	4' ALUM. CORNER				
4	6' ALUM. CORNER				
4	LIFTING LUGS				
4	STACKING GUIDE				
160	PINS AND KEEPERS				
		Sub-total:		3197.00	
		Total:		3197.00	

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:

<http://www.shoringsolutions.com/product-terms-and-conditions.php>

The online terms & conditions are subject to change, terms and conditions in effect at the time of each new delivery shall be those on the website at the time of such delivery

"This document is a contract which includes all the terms and conditions on the reverse side hereof. This above named Renter, by acceptance of delivery of the equipment listed herein, authorized the signed to enter into this contract on behalf of the Renter"

Print Name:

DATE

Signature: *Wince*

DATE

TABULATED DATA RECEIVED

Please Initial





www.shoringsolutions.com

1979 OLD BRISTOL PIKE  
MORRISVILLE, PA 19067  
Phone: 800-443-6832  
Fax: 215-547-3855

Remit To:  
TRENCHTECH, INC  
PO BOX 3039  
MAPLE GLEN, PA 19002

## RENTAL OUT

**Customer:** 1663  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380

**Job Site:**  
EAST GOSHEN TOWNSHIP  
CUSTOMER P/U  
MORRISVILLE, PA 19067  
  
Job Tel#:

Contract #.. 138  
Contract dt. 1/06/21  
Date out.... 1/07/21 7:00 AM  
Est return.. 2/04/21 5:00 PM  
Job Loc..... CUSTOMER P/U, MORRISVILLE  
Job No..... 1 - EAST GOSHEN TOWN  
P.O. #..... N/A  
Ordered By.. MARK MILLER  
Terms..... Net 30 Days  
Sales Rep: CONNOR KERRIGAN  
Written by.. TANYA BAUMAN

Qty	Equipment #	Day	Week	4 Week	Amount
1	SHORE-RENT	303.00	909.00	2727.00	3030.00
1	8' NYLON LIFTING SLING	17.00	50.00	150.00	167.00
28	2' X 12' BUILD-A-BOX PANEL				
4	4' ALUM. CORNER				
4	6' ALUM. CORNER				
4	LIFTING LUGS				
4	STACKING GUIDE				
160	PINS AND KEEPERS				

APPROVED BY: *MS*  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429-1505

Barb  
This equipment is  
for installing the  
meter manhole.  
Hibberd Lane.

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:

<http://www.shoringsolutions.com/product-terms-and-conditions.php>

The online terms & conditions are subject to change, terms and conditions in effect at the time of each new delivery shall be those on the website at the time of such delivery

"This document is a contract which includes all the terms and conditions on the reverse side hereof. This above name Renter, by acceptance of delivery of the equipment listed herien, authorized the signed to enter into this contract on behalf of the Renter"

Print Name: \_\_\_\_\_

DATE \_\_\_\_\_

Signature: *Linco*

DATE \_\_\_\_\_

TABULATED DATA  
RECEIVED

Please Initial





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

64606

# INVOICE

Page No 1

OFFICE

P.O. Number		Authorization		Invoice#	Invoice Date	Terms	Order Date
		STEVE BIONDI		370035	1/31/21	Net 30 Days	1/12/21
Ship Via	Order #	Bill of Lading	Ppd/Col	Shipped From		Salesperson	
CUST PICK UP	07889640			Downingtown, PA		Scott Siderio	

Cust # 270260

Entered By: 503  
02/11/21 12:58

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

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

Job Info

Ordered	B/O	Shipped	Our Stock #/Description/Your Part #	Unit Price	UM	Extended Price	CD%
4		4	MAX-ADAPTER-12 MAXADAPTER MULTI RANGE NON-PRESSURE SEWER/DRANIAGE COUPLING 12" OD RANGE 12.50-15.00	278.05	EA	1,112.20	
			0 * *				
			1,647.00 *				
			6,077.87 *				
			472.50 *				
			926.29 *				
			127.05 *				
			1,918.00 *				
			360.40 *				
			2,164.80 *				
			1,382.40 *				
009							
			15,056.31 *				

**PAID**  
3/1

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429.1505

PAID  
\$ transferred from 09

Cash Discount Available	Interest of 1.5% per Month on Past Due Invoices	Sub Total	Freight	Sales Tax	Invoice Total
		1,112.20			1,112.20

All merchandise returned for credit must be authorized and include order or invoice #. A service charge will apply. Title to the above materials shall remain in Exeter Supply Co., Inc. until the full purchase price is paid; that said materials shall not be removed by customer from place of delivery, sold, mortgaged, or otherwise encumbered, nor shall a lien be permitted to be acquired thereon by attachment, levy, or otherwise; that said materials shall be kept insured by customer against loss or damage for the amount remaining due for the benefit of Exeter Supply Co., Inc. as its interest may appear; and that in default of paying when due, or if there is a breach of any of the above conditions, Exeter Supply Co., Inc. at its option may take immediate possession of said materials and supplies without notice.



Divisions of Colonial Electric:



64605

INVOICE NUMBER	INVOICE DATE
13836775	01/21/21
PLEASE REMIT PAYMENT TO	
Colonial Electric Supply Company, Inc. PO BOX 414564 Boston MA 02241-4564	

Bright Light Annapolis Lighting  
brightlightdesigncenter.com annapolislighting.com

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

**BILLING ADDRESS**

4118 1 AB 0.428 E0095X I0173 D7121029926 S2 P7989334 0001:0002

**SHIPPING ADDRESS**

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



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

APPROVED BY:

DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07129-1505

**PAID**  
31

CUSTOMER PO	ORDER DATE	ORDERED BY	SHIP DATE	SHIPPED VIA	FREIGHT TERM
HIBBERD RD FLOW METE	01/20/21	JIM	01/21/21		PAD
COMMENTS	CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE	SALESPERSON
	02 / DC	9795	E163	QT068312	0001

LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
10	NS8888	62398021058	HMND PHW363012 36X30X12 PLYSTR	1	0	1	1558.00	E	0.00
20		MESSAGE	DELIVERY:10-DAYS						
30	NS8888	62398036120	HMND 18P3327 SPARE PANEL	1	0	1	89.00	E	0.00
40		MESSAGE	DELIVERY:10-DAYS						
50	CAR1		CAR1 1"SCHE40 PVC COND \$	50	50	0	97.22	C	48.61
60	03448106610		CARE998F 1" PVC SVC-ENT CAP	1	1	0	5.33	E	5.33
70	78174702903		BPT903-S 1" 1H RGD STRAP \$	10	10	0	31.75	C	3.18
80	03448106243		CARE942F 1" SCHE40 FEMALE \$	1	1	0	39.20	C	0.39
90	03448119418		CARLT43F 1" STR L/T FLEX CONN\$	2	2	0	558.53	C	11.17
100	03448123330		CARFLEX1-CUT	6	6	0	133.15	C	7.99
101		MESSAGE	1 X 6 ON COIL						
110	03448106203		CARE943F 1" SCHE40 MALE AD \$	2	2	0	34.95	C	0.70
120	78174720103		BPT103-S 1" STEEL LOCKNUT \$	2	2	0	18.60	C	0.37
130	78211607405		METER200UR 200A UG PECO/RIGHT	1	1	0	60.88	E	60.88
140	78174791522		BPT1522DC 1" OFFSET NIPPLE	2	2	0	343.58	C	6.87
150	78174720123		BPT123-S 1" GRD LOCKNUT	4	4	0	163.03	C	6.52
160	78174700323		BPT323 1" PLASTIC BUSHING \$	4	4	0	20.00	C	0.80
170	78590106120		HOM612L100RB LD-CTR BX&INT	1	1	0	68.30	E	68.30
180	78590106520		HOM115 1P 15A CIRCUIT BRKR \$	1	1	0	4.48	E	4.48
190	78285630609		GRDROD5/8-8 5/8"X8'CU 615880 \$	2	2	0	19.37	E	38.74
200	78285630703		BLKG5 5/8 GRD ROD CLAMP CP58 \$	2	2	0	228.00	C	4.56
210	BARECUSLD6R		BARECUSLD6R REEL	20	20	0	530.73	M	10.61

Invoice Due By: 2/20/2021

Invoices 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 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](http://www.colonialelectric.com)

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

542.92



INVOICE NUMBER	INVOICE DATE
13836775	01/21/21
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**

4118 1 AB 0.428 E0095X 10174 07121029926 S2 P79889334 0002:0002



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

**SHIPPING ADDRESS**

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

CUSTOMER PO	ORDER DATE	ORDERED BY	SHIP DATE	SHIPPED VIA	FREIGHT TERM
HIBBERD RD FLOW METE	01/20/21	JIM	01/21/21		PAD
COMMENTS	CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE	SALESPERSON
	02 / DC	9795	E163	QT068312	0001

LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
211		MESSAGE	1 X 20 ON COIL						
220	78599116715		SC52171-1 4SQ 2-1/8D BOX \$	1	1	0	187.90	C	1.88
230	78599116711		SC52171-1/2&3/4E SQ 2-1/8D B \$	1	1	0	143.40	C	1.43
240	09532711432		MUL11432 4" GFI COVER \$	1	1	0	191.22	C	1.91
250	07847770912		LEVGFWT11 15A WR/TR SLIM GCFI	1	1	0	19.41	E	19.41
260	78174791521		BPT1521DC 3/4" OFFSET NIPPLE \$	2	2	0	289.65	C	5.79
270	78174720102		BPT102-S 3/4" STEEL LOCKNUT \$	4	4	0	10.90	C	0.44
280	78101125730		BLB54SHGALV10 13/16 SLOT GAL \$	10	10	0	95.05	C	9.51
290	78101121330		BLB22SHGALV10 1-5/8 SLT STRU \$	20	20	0	155.92	C	31.18
300	RIG2		RIG2 2" RIGID CONDUIT \$	20	20	0	770.60	C	154.12
310	03448120440		CARE958J 2" PIPE CAP	2	2	0	389.80	C	7.80
320	78101161033		BLB2010 1" RIGID PIPE STRAP	10	10	0	136.50	C	13.65
330		MESSAGE	STANDARD PACK QTY:10						
340		MESSAGE	***** ***						
350	78101140333		BLN224 1/4 SPRING NUT \$	12	12	0	103.17	C	12.38
360	78101140363		BLN228 3/8 SPRING NUT \$	4	4	0	98.07	C	3.92

Invoice Due By: 2/20/2021

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<b>SUBTOTAL</b>	542.92
<b>S&amp;H CHGS</b>	
<b>0.00% TAX</b>	0.00
<b>PAY THIS AMOUNT</b>	<b>542.92</b>

Accepted By  
  
KEVIN

For a Complete List of Locations  
Please Visit  
[www.colonialelectric.com](http://www.colonialelectric.com)

64560

East Goshen Municipal Authority  
Attn: Mr. Rick Smith  
1580 Paoli Pike  
West Chester, PA 19380-6107

Client Number: 2500  
Invoice: 1000109034  
Date: 01/31/2021  
Due Date: Upon Receipt

Billing for time incurred to January 31, 2021, for the following services:

Progress billing related to the audit of the 2020 East Goshen Municipal Authority financial statements and preparation of your audit report thereon \$2,525.00

Billed Time & Expenses	\$2,525.00
Invoice Total	<u>\$2,525.00</u>

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: \_\_\_\_\_

**PAID**  
2/26

<u>01/31/2021</u>	<u>12/31/2020</u>	<u>11/30/2020</u>	<u>10/31/2020</u>	<u>09/30/2020+</u>	<u>Total</u>
2,525.00	0.00	0.00	0.00	0.00	\$2,525.00

Please return this portion with payment.

ID: 2500  
East Goshen Municipal Authority

Date: 01/31/2021  
Due Date: Upon Receipt

Invoice: 1000109034  
Amount Due: \$2,525.00

Amount Enclosed: \$ \_\_\_\_\_

**ACH Information:** Customers Bank  
99 Bridge Street  
Phoenixville, PA 19460

Routing #: 031302971

Account #: 6874053

Please e-mail payment details to: [Payments@maillie.com](mailto:Payments@maillie.com)



2975 GALLOWAY ROAD  
BENSALEM, PA 19020  
PHONE: 877-726-7663

64607

# RENTAL INVOICE

## INVOICE R5698001

ACCT#: 1268550  
INVOICE DATE: 01/22/2021  
INVOICE AMOUNT: \$5,665.00

PO #:   
ORDERED BY: STEVE BIONDI  
610-656-8716

JOB SITE INFO: TOWNSHIP YARD  
YARD  
1580 PAOLI PIKE  
WEST CHESTER, PA, 19380  
CALL WHEN CLOSE FOR INSTRUCTIO

CONTACT NAME: STEVE BIONDI  
CONTACT PHONE: 610-656-8716

DATE OUT: 01/11/2021 MON 11:00 AM  
DATE IN: 01/20/2021 WED 04:00 PM

SALES REP: JEFF DAGUE

4117 1 AB 0.428 E0094X I0171 D7119196508 S2 P7989334 0001:0002



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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
-----	-------------	-----	------	-------	--------

### Rental Items

CONTACT CLIENT: STEVE BIONDI

1.	ID NO: UPR00112 SERIAL NO: 0LBP02015 953 TRACK LOADER - 953D	\$892	\$2,477	\$6,880	4,954.00
----	---	-------	---------	---------	----------

HRS OUT: 2773.7 CURRENT SMU: 2817.7 Total: 44.0

ALL MACHINES ARE DELIVERED FULL OF FUEL.  
A RE-FUELING CHARGE OF 6.95 PER GALLON IS APPLICABLE ON RETURN.  
A MINIMUM CLEANING CHARGE OF \$300 WILL APPLY WHEN RENTAL EQUIPMENT IS RETURNED OTHER THAN IN THE CONDITION IN WHICH IT WAS RECEIVED.  
IT IS THE CUSTOMER'S RESPONSIBILITY TO SECURE ALL EQUIPMENT BEING PICKED UP BY THE CUSTOMER.  
WHEN RETURNING A RENTAL PLEASE RETURN ALL KEYS AND LOCKS. THERE IS A \$15 CHARGE FOR ANY KEYS AND A \$30 CHARGE FOR ALL LOCKS NOT RETURNED.

APPROVED BY: we  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429-1585

Rental Subtotal: 4,954.00

### Miscellaneous Items

1	ENVIRONMENT CHG				11.00
1	TRAILER MOVE				350.00

PAID  
31

5665-

**FOLEY**2975 GALLOWAY ROAD  
BENSALEM, PA 19020  
PHONE: 877-726-7663**RENTAL INVOICE  
INVOICE R5698001**ACCT#: 1268550  
INVOICE DATE: 01/22/2021  
INVOICE AMOUNT: \$5,665.00PO #:  
ORDERED BY: STEVE BIONDI  
610-656-8716JOBSITE INFO: TOWNSHIP YARD  
YARD  
1580 PAOLI PIKE  
WEST CHESTER, PA, 19380  
CALL WHEN CLOSE FOR INSTRUCTIOCONTACT NAME: STEVE BIONDI  
CONTACT PHONE: 610-656-8716DATE OUT: 01/11/2021 MON 11:00 AM  
DATE IN: 01/20/2021 WED 04:00 PM

SALES REP: JEFF DAGUE

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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
1	TRAILER PICKUP				350.00

Please Remit Payment To:  
**FOLEY, INCORPORATED**  
**P. O. BOX 787132**  
**PHILADELPHIA, PA 19178-7132**

**Invoice Total 5,665.00**

FOLEY, INCORPORATED MAKES NO REPRESENTATION OF WARRANTY OF ANY KIND, NATURE, OR DESCRIPTION, EXPRESS OR IMPLIED, WITH RESPECT TO THE EQUIPMENT'S MERCHANTABILITY, OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

TITLE TO AND THE RIGHT OF POSSESSION OF THE EQUIPMENT CONTRACTED TO BE SOLD SHALL REMAIN VESTED IN THE SELLER UNTIL ALL SUMS DUE OR TO BECOME DUE FROM THE PURCHASER WHETHER EVIDENCED BY NOTE, BOOK ACCOUNT, OR OTHERWISE, SHALL HAVE BEEN FULLY PAID, ALL INVOICES FOR EQUIPMENT SOLD ARE DUE AND PAYABLE ON DELIVERY OF THE EQUIPMENT.

BUYER IS HEREBY NOTIFIED THAT FOLEY HAS ASSIGNED ITS RIGHTS (BUT NOT ITS OBLIGATIONS) IN THIS AGREEMENT TO SELL THE EQUIPMENT DESCRIBED HEREIN TO CATD EXCHANGE SERVICES, L.L.C, A QUALIFIED INTERMEDIARY, AS PART OF AN INTERNAL REVENUE CODE SECTION 1031 EXCHANGE.

NOT RESPONSIBLE FOR USED PARTS REPLACED BY NEW PARTS UNLESS ADVISED WHEN ORDER IS PLACED.

WHEN MAKING CLAIMS REFER TO SHIPPING ORDER NUMBER.

CLAIMS FOR ALLOWANCES MUST BE MADE IMMEDIATELY UPON RECEIPT OF MATERIAL.

MATERIAL RETURNED AFTER FIFTEEN DAYS SUBJECT TO HANDLING CHARGE.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

This contractor and subcontractor shall abide by the requirements of 41 CFR 60.300.5(a) and 41 CFR 60.741.5(a). These regulations prohibit discrimination against qualified individuals on the basis of disability and protected veteran status, and require affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified individuals with disabilities and protected veterans.





64609

2973 GALLOWAY ROAD  
 BENSLEM, PA 19020  
 PHONE: 215-244-3850 FAX: 215-943-7755

**RENTAL INVOICE**  
**INVOICE A7870001**

ACCT#: 1268550  
 INVOICE DATE: 01/28/2021  
 INVOICE AMOUNT: \$3,611.00

PO #:   
 ORDERED BY: STEVE  
 610-656-8716

JOB SITE INFO: TOWNSHIP YARD  
 YARD  
 1580 PAOLI PIKE  
 WEST CHESTER, PA, 19380  
 CALL WHEN CLOSE FOR INSTRUCTIO

CONTACT NAME: STEVE BIONDI  
 CONTACT PHONE: 610-656-8716

DATE OUT: 01/11/2021 MON 08:00 AM  
 DATE IN: 01/28/2021 THU 07:00 AM

SALES REP: BRETT KRCELICH

4113 1 MB 0.450 E0283X I0433 D7140751116 S2 P8002836 0001:0003



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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
-----	-------------	-----	------	-------	--------

**Rental Items**

1.	ID NO: MNF01224 SERIAL NO: 0FTL22062 259 COMPACT TRACK LOADER - 259D	\$458	\$1,272	\$3,300	3,300.0
----	---	-------	---------	---------	---------

HRS OUT: 298.2 CURRENT SMU: 366.1 Total: 67.9

1	ID NO: AF00495 SERIAL NO: A4181BK21700 SSL GP BUCKET 80" - SSLBKT80GP
---	--

ALL MACHINES ARE DELIVERED FULL OF FUEL.  
 A RE-FUELING CHARGE OF 6.95 PER GALLON IS APPLICABLE ON RETURN.  
 A MINIMUM CLEANING CHARGE OF \$300 WILL APPLY WHEN RENTAL EQUIPMENT IS RETURNED OTHER THAN IN THE CONDITION IN WHICH IT WAS RECEIVED.  
 IT IS THE CUSTOMER'S RESPONSIBILITY TO SECURE ALL EQUIPMENT BEING PICKED UP BY THE CUSTOMER.  
 ALL CUSTOMERS RENTING EQUIPMENT WILL BE REQUIRED TO PROVIDE PROOF OF INSURANCE FOR ALL RENTED EQUIPMENT. EQUIPMENT PROTECTION PLAN OR EPP WILL BE CHARGED ON ALL INVOICES AT A RATE OF 14% OF THE EQUIPMENT RATE UNLESS A CERTIFICATE OF INSURANCE IS PROVIDED WITHIN 48 HOURS AFTER EQUIPMENT HAS BEEN RECEIVED. THE EPP COVERAGE DOES REQUIRE A \$5000 DEDUCTIBLE BE PAID WHEN THE EPP PLAN IS USED (FIRE, THEFT, AND VANDALISM ONLY). ABUSE OR

APPROVED BY:       
 DATE PAID:       
 CHECK #:       
 CHARGED TO: 07429-1505

**PAID**  
 3/1

3611



2973 GALLOWAY ROAD  
 BENSLEM, PA 19020  
 PHONE: 215-244-3850 FAX: 215-943-7755

**RENTAL INVOICE**  
**INVOICE A7870001**

ACCT#: 1268550  
 INVOICE DATE: 01/28/2021  
 INVOICE AMOUNT: \$3,611.00

PO #:  
 ORDERED BY: STEVE  
 610-656-8716

JOBSITE INFO: TOWNSHIP YARD  
 YARD  
 1580 PAOLI PIKE  
 WEST CHESTER, PA, 19380  
 CALL WHEN CLOSE FOR INSTRUCTIO

CONTACT NAME: STEVE BIONDI  
 CONTACT PHONE: 610-656-8716

DATE OUT: 01/11/2021 MON 08:00 AM  
 DATE IN: 01/28/2021 THU 07:00 AM

SALES REP: BRETT KRCELICH



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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
-----	-------------	-----	------	-------	--------

MIS-USE IS NOT COVERED BY THE EPP.  
 MACHINES ARE ON RENTAL UNTIL THEY ARE RETURNED BY  
 THE CUSTOMER OR CALLED OFF TO BE PICKED UP BY  
 FOLEY INC. WE CHARGE FOR ALL TIME OUT. A  
 CALL-OFF CONFIRMATION NUMBER WILL BE PROVIDED WHEN  
 CALLING OFF A MACHINE. TO CALL OFF A MACHINE  
 PLEASE CALL 1-888-417-6464.

TERMS NET 10 DAYS  
 WHEN RETURNING A RENTAL PLEASE RETURN ALL KEYS AND  
 LOCKS. THERE IS A \$15 CHARGE FOR ANY KEYS AND A  
 \$30 CHARGE FOR ALL LOCKS NOT RETURNED.  
 WE WANT TO THANK YOU FOR BEING A VALUED CUSTOMER.  
 OUR GOAL IS TO PROVIDE ASTONISHING CUSTOMER  
 SERVICE, AND TO CREATE CUSTOMER EXPERIENCES THAT  
 CREATE CUSTOMERS FOR LIFE. CATERPILLAR MAY BE  
 CONTACTING YOU TO TAKE AN INDEPENDENT SURVEY.  
 PLEASE LET US KNOW IF YOU DON'T FEEL OUR CUSTOMER  
 SERVICE HAS EARNED A RATING OF 9 OR 10, BY CALLING  
 OUR BRANCH MANAGER, JASON LEE, AT 732-885-3162.

Rental Subtotal: 3,300.0

**Miscellaneous Items**

1	PKUP-DISC-PA/NJ				-100.0
1	DLVY-DISC-PA/NJ				-100.0

**FOLEY RENTS**



2973 GALLOWAY ROAD  
BENSALEM, PA 19020  
PHONE: 215-244-3850 FAX: 215-943-7755

**RENTAL INVOICE**  
**INVOICE A7870001**

ACCT#: 1268550  
INVOICE DATE: 01/28/2021  
INVOICE AMOUNT: \$3,611.00

PO #:  
ORDERED BY: STEVE  
610-656-8716

JOBSITE INFO: TOWNSHIP YARD  
YARD  
1580 PAOLI PIKE  
WEST CHESTER, PA, 19380  
CALL WHEN CLOSE FOR INSTRUCTIO

CONTACT NAME: STEVE BIONDI  
CONTACT PHONE: 610-656-8716

DATE OUT: 01/11/2021 MON 08:00 AM  
DATE IN: 01/28/2021 THU 07:00 AM

SALES REP: BRETT KRCELICH



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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
1	ENVIRONMENT CHG				11.0
1	FOLEY DELIVERY				250.0
1	FOLEY PICKUP				250.0

Please Remit Payment To:  
**FOLEY, INCORPORATED**  
**P. O. BOX 787132**  
**PHILADELPHIA, PA 19178-7132**

**Invoice Total 3,611.00**

FOLEY, INCORPORATED MAKES NO REPRESENTATION OF WARRANTY OF ANY KIND, NATURE, OR DESCRIPTION, EXPRESS OR IMPLIED, WITH RESPECT TO THE EQUIPMENT'S MERCHANTABILITY, OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

TITLE TO AND THE RIGHT OF POSSESSION OF THE EQUIPMENT CONTRACTED TO BE SOLD SHALL REMAIN VESTED IN THE SELLER UNTIL ALL SUMS DUE OR TO BECOME DUE FROM THE PURCHASER WHETHER EVIDENCED BY NOTE, BOOK ACCOUNT, OR OTHERWISE, SHALL HAVE BEEN FULLY PAID, ALL INVOICES FOR EQUIPMENT SOLD ARE DUE AND PAYABLE ON DELIVERY OF THE EQUIPMENT.

BUYER IS HEREBY NOTIFIED THAT FOLEY HAS ASSIGNED ITS RIGHTS (BUT NOT ITS OBLIGATIONS) IN THIS AGREEMENT TO SELL THE EQUIPMENT DESCRIBED HEREIN TO CATD EXCHANGE SERVICES, LLC, A QUALIFIED INTERMEDIARY, AS PART OF AN INTERNAL REVENUE CODE SECTION 1031 EXCHANGE.

NOT RESPONSIBLE FOR USED PARTS REPLACED BY NEW PARTS UNLESS ADVISED WHEN ORDER IS PLACED.

WHEN MAKING CLAIMS REFER TO SHIPPING ORDER NUMBER.

CLAIMS FOR ALLOWANCES MUST BE MADE IMMEDIATELY UPON RECEIPT OF MATERIAL.

MATERIAL RETURNED AFTER FIFTEEN DAYS SUBJECT TO HANDLING CHARGE.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

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**FOLEY RENTS**



**T H E  
Rental  
S T O R E .**

64608

2973 GALLOWAY ROAD  
BENSALEM, PA 19020  
PHONE: 215-244-3850 FAX: 215-943-7755

**RENTAL INVOICE  
INVOICE A7878001**

ACCT#: 1268550  
INVOICE DATE: 01/26/2021  
INVOICE AMOUNT: \$4,790.00

PO #: TBD  
ORDERED BY: STEVE  
610-656-8716

JOBSITE INFO: ROAD WORK BOOT  
ROAD WORK  
BOOT ROAD & ROUTE 352  
WEST CHESTER, PA, 19380

CONTACT NAME: STEVE  
CONTACT PHONE: 610-656-8716

DATE OUT: 01/13/2021 WED 11:00 AM  
DATE IN: 01/20/2021 WED 04:00 PM

SALES REP: BRETT KRCELICH

15628 1 AB 0.428 E0112X I0172 D7130730418 S2 P7997042 0001:0003



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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
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**Rental Items**

1.	ID NO: CR30878 SERIAL NO: 0MPG00998 321 EXCAVATOR - 321DLCR	\$925	\$2,554	\$6,950	3,479.0
----	--	-------	---------	---------	---------

HRS OUT: 2891.0 CURRENT SMU: 2922.0 Total: 31.0

1	ID NO: AF00112 SERIAL NO: AF00112 B 320/321/323/325F EXC. HD BUCKET 42" - BBKT42
---	---

1	ID NO: CR83265 SERIAL NO: 0WAJ03329 B 320/321/323/325F QUICK COUPLER - BCPLHYD
---	---

ALL MACHINES ARE DELIVERED FULL OF FUEL.  
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APPROVED BY: WJ  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07929-1505

**PAID**  
3/11

4790-

**FOLEY RENTS**



**T H E  
Rental  
S T O R E .**

2973 GALLOWAY ROAD  
BENSALEM, PA 19020  
PHONE: 215-244-3850 FAX: 215-943-7755



**RENTAL INVOICE  
INVOICE A7878001**

ACCT#: 1268550  
INVOICE DATE: 01/26/2021  
INVOICE AMOUNT: \$4,790.00

PO #: TBD  
ORDERED BY: STEVE  
610-656-8716

JOBSITE INFO: ROAD WORK BOOT  
ROAD WORK  
BOOT ROAD & ROUTE 352  
WEST CHESTER, PA, 19380

CONTACT NAME: STEVE  
CONTACT PHONE: 610-656-8716

DATE OUT: 01/13/2021 WED 11:00 AM  
DATE IN: 01/20/2021 WED 04:00 PM

SALES REP: BRETT KRCELICH



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

**QTY DESCRIPTION DAY WEEK 4WEEK TOTALS**

BEEN RECEIVED. THE EPP COVERAGE DOES REQUIRE A \$5000 DEDUCTIBLE BE PAID WHEN THE EPP PLAN IS USED (FIRE, THEFT, AND VANDALISM ONLY). ABUSE OR MIS-USE IS NOT COVERED BY THE EPP. MACHINES ARE ON RENTAL UNTIL THEY ARE RETURNED BY THE CUSTOMER OR CALLED OFF TO BE PICKED UP BY FOLEY INC. WE CHARGE FOR ALL TIME OUT. A CALL-OFF CONFIRMATION NUMBER WILL BE PROVIDED WHEN CALLING OFF A MACHINE. TO CALL OFF A MACHINE PLEASE CALL 1-888-417-6464.

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**Rental Subtotal: 3,479.00**

**Miscellaneous Items**

**FOLEY RENTS**  **Rental**  
S T O R E

2973 GALLOWAY ROAD  
BENSALEM, PA 19020  
PHONE: 215-244-3850 FAX: 215-943-7755



**RENTAL INVOICE**  
**INVOICE A7878001**

ACCT#: 1268550  
INVOICE DATE: 01/26/2021  
INVOICE AMOUNT: \$4,790.00

PO #: TBD  
ORDERED BY: STEVE  
610-656-8716

JOBSITE INFO: ROAD WORK BOOT  
ROAD WORK  
BOOT ROAD & ROUTE 352  
WEST CHESTER, PA, 19380

CONTACT NAME: STEVE  
CONTACT PHONE: 610-656-8716

DATE OUT: 01/13/2021 WED 11:00 AM  
DATE IN: 01/20/2021 WED 04:00 PM

SALES REP: BRETT KRCELICH



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

QTY	DESCRIPTION	DAY	WEEK	4WEEK	TOTALS
1	ENVIRONMENT CHG				11.0
1	FOLEY DELIVERY				650.0
1	FOLEY PICKUP				650.0

Please Remit Payment To:  
**FOLEY, INCORPORATED**  
**P. O. BOX 787132**  
**PHILADELPHIA, PA 19178-7132**

**Invoice Total 4,790.00**

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CLAIMS FOR ALLOWANCES MUST BE MADE IMMEDIATELY UPON RECEIPT OF MATERIAL.

MATERIAL RETURNED AFTER FIFTEEN DAYS SUBJECT TO HANDLING CHARGE.

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Original Invoice  
**INVOICE**

Divisions of Colonial Electric:



INVOICE NUMBER	INVOICE DATE
13849292	01/28/21
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**

6201 1 AB 0.428 E0076X I0120 D7151405370 S2 P8006428 0001:0001

**SHIPPING ADDRESS**

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



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
HIBBERD RD FLOW METER	01/20/21	JIM	01/28/21		PAD
COMMENTS	CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE	SALESPERSON
	02 / DC	9795	E163	13836775	0001

LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
10	NS8888	62398021058	HMND PHW363012 36X30X12 PLYSTR	1	1	0	1558.00	E	1558.00
20		MESSAGE	DELIVERY:10-DAYS						
30	NS8888	62398036120	HMND 18P3327 SPARE PANEL	1	1	0	89.00	E	89.00
40		MESSAGE	DELIVERY:10-DAYS						

**PAID**

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429.1505

Invoice Due By: 2/27/2021

Invoices 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 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.

<b>SUBTOTAL</b>	1647.00
<b>S&amp;H CHGS</b>	
<b>0.00% TAX</b>	0.00
<b>PAY THIS AMOUNT</b>	<b>1647.00</b>

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

www.BrightLightDesignCenter.com www.AnnapolisLighting.com

Accepted By
<i>Chas</i>
CHAS



# colonial electric supply

Since 1972... Powered By Excellence!

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

Downingtown (610) 873-6400  
Reading (610) 374-2134

Glenolden (610) 870-0160  
Warminster (215) 672-5600

Corporate Office  
201 W.Church Road  
King of Prussia, PA 19406  
Phone: (610) 312-8100  
Fax: (610) 312-8131

Myerstown (717) 376-3039  
Vineland (856) 462-63009  
Collegeville (610) 489-7600

Lancaster (717) 405-3101  
Hammonton (609) 704-99501  
Pleasantville (609) 645-8110

Allentown (610) 435-9691  
Brooklyn (718) 210-0590  
Wilmington (302) 998-9993

Northeast Philadelphia (215) 464-0800  
Center City Philadelphia (215) 928-0800  
Cape May Court House (609) 465-7144

# PACKING LIST

Invoice No.	Date	Page
13849292	01/27/21	1 of 1

Ship To  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE [F]  
  
WEST CHESTER PA 19380-6107

Sold To  
EAST GOSHEN TOWNSHIP E163  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380


Customer PO	Date Ordered	Ordered By	Date Required
HIBBERD RD FLOW METE	01/20/21	JIM	01/28/21

Shipped Via	Freight	Source	Co. Unit / WH	Entered By	Account ID
	PAD	BO	02 / DC	9795	E163

Original Invoice	Salesperson	Comments
13836775	0001	

Job No	Contact	Payment Terms
	RECEIVING Phone: 610-692-7171	N30D

Line	SKU	WH Location	Description	Ordered	Back Ordered	Shipped	Unit Price	UM	Extended Amt
10	NS8888		HMND PHW363012 36X30X12 PLYSTR CUST SKU: 62398021058	1	0	1	1558.00	E	1558.00
9	MESSAGE		PICKED BY 0618, WAVE:						
20	MESSAGE		DELIVERY:10-DAYS						
30	NS8888		HMND 18P3327 SPARE PANEL CUST SKU: 62398036120	1	0	1	89.00	E	89.00
40	MESSAGE		DELIVERY:10-DAYS						

APPROVED BY:   
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429-505

**X**

**RETURNS POLICY:** All returns must have prior authorization. Returns under \$25.00 will not be accepted. No cash refunds will be given for material returned. Returns must be undamaged in manufacturers original carton and may be subject to a restocking fee.  
**SPECIAL ORDERS:** A deposit is required on special order merchandise, and these orders are non-cancelable and non-returnable.  
**TERMS & CONDITIONS:** Colonial's current standard terms and conditions of sale can be found at [www.colonialelectric.com/TermsOfSale](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.

TP: 1

Subtotal

1647.00

21:56:02

Transportation

0.00

.0% Tax

0.00

Total

1647.00

Picked by 0618	Cartons	Packages	Reels
Coils	Pieces	Bundles	Skids





**Invoice Number:** 3863680  
**Invoice Date:** 01/16/21  
**Page:** 1  
**Terms of Sale:** NET 30 DAYS  
**Customer Number:** 365966  
**Tax Code:** PA-NONTA  
**Customer Job:** X from 1605 E. Boot Road

**INVOICE**

**Lehigh Hanson**  
HEIDELBERGCEMENT Group

Billing on behalf of:

**Hanson Aggregates Pennsylvania LLC**

**EAST GOSHEN TOWNSHIP**

**BOARD OF SUPERVISORS**  
**1580 PAOLI PIKE**  
**WEST CHESTER, PA 19380**

TO ENSURE PROPER CREDIT, PLEASE INCLUDE THE INVOICE NUMBER WITH YOUR PAYMENT REMIT TO:

**15620 Collection Center Drive**  
**Chicago, IL 60693-0156**

Tax ID: 59-2503701



Delivery Address	Purchase Order	Sales Order	Plant
		1063156	DOWNINGTOWN

Ticket Date	Ticket Number	Truck Type	Ship to Reference	Product Number	Product Description	Quantity	UOM	Unit Price	Amount	Freight	Fuel Surchg/ Other Fee	Extended Price
01/14/21	1009473926	ST	West Chester, Pa	114341	1/4 Inch	23.13	Ton	\$21.00	\$485.73	\$101.77	\$0.00	\$587.50
01/14/21	1009473927	ST	West Chester, Pa	114341	1/4 Inch	21.96	Ton	\$21.00	\$461.16	\$96.62	\$0.00	\$557.78
01/14/21	1009473936	ST	West Chester, Pa	114341	1/4 Inch	23.05	Ton	\$21.00	\$484.05	\$101.42	\$0.00	\$585.47
01/14/21	1009473983	ST	West Chester, Pa	114341	1/4 Inch	22.80	Ton	\$21.00	\$478.80	\$100.32	\$0.00	\$579.12
01/14/21	1009473984	ST	West Chester, Pa	114341	1/4 Inch	23.00	Ton	\$21.00	\$483.00	\$101.20	\$0.00	\$584.20
01/14/21	1009473987	ST	West Chester, Pa	114341	1/4 Inch	21.61	Ton	\$21.00	\$453.81	\$95.08	\$0.00	\$548.89
01/14/21	1009474013	ST	West Chester, Pa	114341	1/4 Inch	23.02	Ton	\$21.00	\$483.42	\$101.29	\$0.00	\$584.71
01/14/21	1009474017	ST	West Chester, Pa	114341	1/4 Inch	23.12	Ton	\$21.00	\$485.52	\$101.73	\$0.00	\$587.25
01/14/21	1009474020	ST	West Chester, Pa	114341	1/4 Inch	21.62	Ton	\$21.00	\$454.02	\$95.13	\$0.00	\$549.15
01/14/21	1009474055	ST	West Chester, Pa	114357	57	22.47	Ton	\$15.75	\$353.90	\$98.87	\$0.00	\$452.77
01/14/21	1009474124	ST	West Chester, Pa	114357	57	22.88	Ton	\$15.75	\$360.36	\$100.67	\$0.00	\$461.03

--PRODUCT SUMMARY--

114341	1/4 Inch	203.31
114357	57	45.35
TOTAL QUANTITY -->		248.66

Subtotal: \$6,077.87

Tax: \$0.00

**PAID**

APPROVED BY: MM  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 074291505

Questions? Please call Customer Care at: 888-895-3938

Invoice Total:

**\$6,077.87**

This invoice is subject to the terms set forth in the Credit Application and/or General Terms and Conditions of Sale, as well as any additional terms and conditions contained in the Quotation or Order Acknowledgement. Any additional or different terms proposed by Buyer are hereby deemed to be a material alteration and are hereby objected to. All items returned are subject to cartage and handling charges. Accounts are due and payable by the above stated terms. Past due accounts are subject to service charges as outlined in the Credit Application and/or General Terms and Conditions of Sale.

**Hicks Brothers LLC**  
**140 East Doe Run Road**  
**Kennett Square, PA 19348**

<b>P.O. Number</b>	<b>Invoice #</b>	<b>Date</b>
22053	54004	1/27/2021
<b>Phone #</b>		<b>610-347-1061</b>
<b>Customer Total Balance</b>		
\$630.00		

<b>Bill To</b>			<b>Ship To</b>		
East Goshen Township 1580 Paoli Pike West Chester, Pa 19380-6199					
<b>Rep</b>	<b>Terms</b>	<b>Ship Date</b>	<b>Via</b>	<b>Invoice #</b>	<b>Due Date</b>
Peter	Due on receipt	1/27/2021		54004	1/27/2021
<b>Quantity</b>	<b>Item Code</b>	<b>Description</b>	<b>U/M</b>	<b>Price Each</b>	<b>Amount</b>
63	11440	Small Bales Straw	Bale	7.50	472.50
APPROVED BY: <u>MLB</u> DATE PAID: _____ CHECK #: _____ CHARGED TO: <u>07429-1505</u> <u>Hicks Bros LLC</u>			<b>PAID</b>		
Invoice Total				\$472.50	

**PLEASE WRITE THE INVOICE NUMBER ON CHECK**

<b>Bill To</b>	<b>Ship Date</b>	<b>Rep</b>	<b>Invoice #</b>	<b>Due Date</b>
East Goshen Township 1580 Paoli Pike West Chester, Pa 19380-6199	1/27/2021	Peter	54004	1/27/2021
<b>Customer Phone</b>			<b>610-692-7171</b>	
<b>Amount Due For Invoice</b>	<b>Customer Total Balance</b>		<b>Amount Enclosed</b>	
\$472.50	\$630.00			

Invoice Number: 3864157  
 Invoice Date: 01/16/21  
 Page: 1  
 Terms of Sale: NET 30 DAYS  
 Customer Number: 365966  
 Tax Code: PA-NONTA  
 Customer Job: X from 1605 E. Boot Road

**INVOICE**

**Lehigh Hanson**  
HEIDELBERGCEMENT Group

Billing on behalf of:  
**Hanson Aggregates Pennsylvania LLC**

**EAST GOSHEN TOWNSHIP**

**BOARD OF SUPERVISORS**  
**1580 PAOLI PIKE**  
**WEST CHESTER, PA 19380**

TO ENSURE PROPER CREDIT, PLEASE INCLUDE THE INVOICE NUMBER WITH YOUR PAYMENT REMIT TO:

**15620 Collection Center Drive**  
**Chicago, IL 60693-0156**

Tax ID: 59-2503701



Delivery Address	Purchase Order	Sales Order	Plant
		1063156	DOWNINGTOWN

Ticket Date	Ticket Number	Truck Type	Ship to Reference	Product Number	Product Description	Quantity	UOM	Unit Price	Amount	Freight	Fuel Surchg/ Other Fee	Extended Price
01/15/21	1009474305	ST	West Chester, Pa	114357	57	23.31	Ton	\$15.75	\$367.13	\$102.56	\$0.00	\$469.69
01/15/21	1009474343	ST	West Chester, Pa	114357	57	22.66	Ton	\$15.75	\$356.90	\$99.70	\$0.00	\$456.60

--PRODUCT SUMMARY--

114357 57  
 TOTAL QUANTITY --> 45.97

Subtotal: \$926.29

Tax: \$0.00

**PAID**

APPROVED BY: WJ  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07429-1505

Questions? Please call Customer Care at: 888-895-3938 **Invoice Total: \$926.29**

This invoice is subject to the terms set forth in the Credit Application and/or General Terms and Conditions of Sale, as well as any additional terms and conditions contained in the Quotation or Order Acknowledgement. Any additional or different terms proposed by Buyer are hereby deemed to be a material alteration and are hereby objected to. All items returned are subject to cartage and handling charges. Accounts are due and payable by the above stated terms. Past due accounts are subject to service charges as outlined in the Credit Application and/or General Terms and Conditions of Sale.





421 E. MARKET STREET  
WEST CHESTER, PA 19382

300 BOOT ROAD  
DOWNTOWN, PA 19335

www.KnoxRentals.com  
(610) 696-2996 • FAX (610) 696-4892

66972.1.2



4.0.0.43  
C:\Enf\EnfTpt\inv.rp

P.O. Kevin ordered  
Operator: Joey  
Saved Thu, Jan 21, 2021 12:24 pm

Out Thu, Jan 21, 2021 11:13 am  
In Thu, Jan 21, 2021 12:24 pm

East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380



Tel: 692-7171

Customer ID 1178  
Alt. ID: 050050

## Equipment Invoice Rental Return Receipt

Qty	Description	Part Nr	Unit Price	Adj	Extended
Returned					
1 Ea	Mulcher, towable straw EPIC Straw Mulcher Model TM35	TOW-BEHIND FINN B-70	115.50	0.00	115.50
	Meter Start 84.50 Meter End 85.00 Meter Used 0.50	Meter Free 1.33 Chargeable 0.00	21.00/Hr	0.00	
	Serial No. 25425 (VIN# 4T9BF1111JG093326)				
	115.50/Min 115.50/Hour 165.00/Day 575.00/Week	1,695.00/4 Weeks			

Charged to Account		
01/21/2021	66972.1.2	127.05
<b>Total Charges</b>		<b>127.05</b>

Summary	
Rental equipment	115.50
Damage Waiver Charges	11.55
<b>Subtotal</b>	<b>127.05</b>
<b>Total Charges</b>	<b>127.05</b>

**PAID**

This Invoice Amount	
Rental equipment	115.50
Damage Waiver Charges	11.55
<b>Total Charges</b>	<b>127.05</b>

Net 35

APPROVED BY: WJ

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

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

CHARGED TO: 07429-1505

Hibbard Lane

**NET 30 DAYS**

I, the undersigned renter, specifically acknowledge that I have received and understand the instructions regarding the use and operation of the rented equipment. Renter further acknowledges that he has read and fully understands the within equipment rental contract and agrees to be bound by all of the terms, conditions and provisions hereof. Renter acknowledges that he has received a true and correct copy of this agreement at the time of execution hereof.

THIS CONTRACT EXPIRES:

Print Name: \_\_\_\_\_

Signature: X

**THIS IS YOUR CONTRACT, READ BOTH SIDES BEFORE SIGNING**



421 E. MARKET STREET  
WEST CHESTER, PA 19382

300 BOOT ROAD  
DOWNINGTOWN, PA 19335

[www.KnoxRentals.com](http://www.KnoxRentals.com)  
(610) 696-2996 • FAX (610) 696-4892

66972.1.2



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C L E N T E R T O C L I N E

P.O. Kevin ordered  
Operator: Joey  
Saved Thu, Jan 21, 2021 12:24 pm  
  
Out Thu, Jan 21, 2021 11:13 am  
In Thu, Jan 21, 2021 12:24 pm

East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380  
Tel: 692-7171

Customer ID 1178  
Alt. ID: 050050

### Equipment Contract Rental Return Receipt

Qty	Description	Part Nr	Unit Price	Adj	Extended
Returned 1 Ea	Mulcher, towable straw EPIC Straw Mulcher Model TM35	TOW-BEHIND FINN B-70	115.50	0.00	115.50
	Meter Start    Meter End    Meter Used    Meter Free    Chargeable				
	Hr Meter            84.50        85.00        0.50            1.33        0.00		21.00/Hr	0.00	
	Serial No. 25425 (VIN# 4T9BF1111JG093326)				
	115.50/Min    115.50/Hour    165.00/Day    575.00/Week    1,695.00/4 Weeks				

**Charged to Account**

01/21/2021      66972.1.2                      127.05  
**Total Charges                      127.05**

**Summary**

Rental equipment                      115.50  
Damage Waiver Charges              11.55  
**Subtotal                              127.05**  
**Total Charges                      127.05**

**This Invoice Amount**

Rental equipment                      115.50  
Damage Waiver Charges              11.55  
**Total Charges                      127.05**

I, the undersigned renter, specifically acknowledge that I have received and understand the instructions regarding the use and operation of the rented equipment.  
Renter further acknowledges that he has read and fully understands the within equipment rental contract and agrees to be bound by all of the terms, conditions and provisions hereof. Renter acknowledges that he has received a true and correct copy of this agreement at the time of execution hereof.

**THIS CONTRACT EXPIRES:**

Print Name: \_\_\_\_\_

Signature: **X** \_\_\_\_\_

**THIS IS YOUR CONTRACT, READ BOTH SIDES BEFORE SIGNING**





www.shoringsolutions.com

1979 OLD BRISTOL PIKE  
MORRISVILLE, PA 19067  
Phone: 800-443-6832  
Fax: 215-547-3855

Remit To:  
TRENCHTECH, INC  
PO BOX 3039  
MAPLE GLEN, PA 19002

## RENTAL RETURN

**Customer:** 1663  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380

**Job Site:**  
EAST GOSHEN TOWNSHIP  
CUSTOMER P/U  
MORRISVILLE, PA 19067  
  
Job Tel#:

Invoice #... 138-0001  
Invoice date 1/22/21  
Date out.... 1/07/21 7:00 AM  
Date in..... 1/20/21 5:00 PM  
Job Loc..... CUSTOMER P/U, MORRISVILLE  
Job No..... 1 - EAST GOSHEN TOWN  
P.O. #..... N/A  
Ordered By.. MARK MILLER  
Terms..... Net 30 Days  
Sales Rep: CONNOR KERRIGAN  
Written by.. BRITT GLATZ

Qty	Equipment #	Day	Week	4 Week	Amount
1	SHORE-RENT	303.00	909.00	2727.00	1818.00
28	2' X 12' BUILD-A-BOX PANEL				N/C
4	4' ALUM. CORNER				N/C
4	6' ALUM. CORNER				N/C
4	LIFTING LUGS				N/C
4	STACKING GUIDE				N/C
160	PINS AND KEEPERS				N/C
1	8' NYLON LIFTING SLING	17.00	50.00	150.00	100.00

Sub-total: 1918.00  
Total: 1918.00

FINAL BILL: 1/07/21 07:00 AM THRU 1/20/21 05:00 PM.

**PAID**

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429.1505

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:

<http://www.shoringsolutions.com/product-terms-and-conditions.php>

The online terms & conditions are subject to change, terms and conditions in effect at the time of each new delivery shall be those on the website at the time of such delivery

"This document is a contract which includes all the terms and conditions on the reverse side hereof. This above name Renter, by acceptance of delivery of the equipment listed herien, authorized the signed to enter into this contract on behalf of the Renter"

Print Name: \_\_\_\_\_

DATE \_\_\_\_\_

Signature: \_\_\_\_\_

DATE \_\_\_\_\_

TABULATED DATA RECEIVED

Please Initial





Remit To:  
 TRENCHTECH, INC  
 PO BOX 3039  
 MAPLE GLEN, PA 19002

1979 OLD BRISTOL PIKE  
 MORRISVILLE, PA 19067  
 Phone: 800-443-6832  
 Fax: 215-547-3855

### PICKUP TICKET

**Customer:** 1663  
 EAST GOSHEN TOWNSHIP  
 1580 PAOLI PIKE  
 WEST CHESTER, PA 19380

**Pickup #...** 81  
**Contract #..** 138  
**Contract dt.** 1/21/21  
**Date out....** 1/07/21 7:00 AM  
**Pickup date.** 1/20/21 5:00 PM  
**Job Loc.....** CUSTOMER P/U, MORRISVILLE  
**Job No.....** 1 - EAST GOSHEN TOWN  
**P.O. #.....** N/A  
**Ordered By..** MARK MILLER  
  
**Sales Rep:** CONNOR KERRIGAN  
**Written by..** TANYA BAUMAN

**Job Site:**  
 EAST GOSHEN TOWNSHIP  
 CUSTOMER P/U  
 MORRISVILLE, PA 19067  
  
**Job Tel#:**

Qty	Equipment #	Qty Ret
1	SHORE-RENT	
28	2' X 12' BUILD-A-BOX PANEL	28
4	LIFTING LUGS	4
160	PINS AND KEEPERS	160
4	4' ALUM. CORNER	4
4	6' ALUM. CORNER	4
4	STACKING GUIDE	4
1	8' NYLON LIFTING SLING	1

**APPROVED BY:** MSJ  
**DATE PAID:** \_\_\_\_\_  
**CHECK #:** \_\_\_\_\_  
**CHARGED TO:** 5051-2429-1505  
  
 \_\_\_\_\_: CHARGED TO:  
 \_\_\_\_\_: CHECK #:  
 \_\_\_\_\_: DATE PAID:  
 \_\_\_\_\_: APPROVED BY:

Red By: Vince

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:  
<http://www.shoringsolutions.com/product-terms-and-conditions.php>

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Print Name: \_\_\_\_\_ DATE \_\_\_\_\_ Signature: \_\_\_\_\_ DATE \_\_\_\_\_

TABULATED DATA RECEIVED  
 \_\_\_\_\_  
 Please Initial





www.shoringsolutions.com

1979 OLD BRISTOL PIKE  
MORRISVILLE, PA 19067  
Phone: 800-443-6832  
Fax: 215-547-3855

Remit To:  
TRENCHTECH, INC  
PO BOX 3039  
MAPLE GLEN, PA 19002

## RENTAL RETURN

**Customer:** 1663  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380

**Job Site:**  
EAST GOSHEN TOWNSHIP  
CUSTOMER P/U  
MORRISVILLE, PA 19067  
  
Job Tel#:

Invoice #... 187-0001  
Invoice date 1/22/21  
Date out.... 1/12/21 7:00 AM  
Date in..... 1/22/21 5:00 PM  
Job Loc..... CUSTOMER P/U, MORRISVILLE  
Job No..... 1 - EAST GOSHEN TOWN  
P.O. #..... N/A  
Ordered By.. KEVIN MILLER  
Terms..... Net 30 Days  
Sales Rep: CONNOR KERRIGAN  
Written by.. BRITT GLATZ

Qty	Equipment #	Day	Week	4 Week	Amount
4	6' ALUM. CORNER	10.00	30.00	90.00	240.00
64	PINS AND KEEPERS				N/C
1	10' NYLON LIFTING SLING	17.00	50.00	150.00	100.00

Sub-total: 340.00  
Tax: 20.40  
Total: 360.40

FINAL BILL: 1/12/21 07:00 AM THRU 1/22/21 05:00 PM.

**PAID**

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429.1505

This Delivery Ticket is subject to and governed by Trenchtech's Standard Terms and Conditions of Sale, and such Standard Terms and Conditions of Sale are hereby incorporated by reference into this Delivery Ticket. The current Standard Terms and Conditions of Sale are available online at:

<http://www.shoringsolutions.com/product-terms-and-conditions.php>

The online terms & conditions are subject to change, terms and conditions in effect at the time of each new delivery shall be those on the website at the time of such delivery

"This document is a contract which includes all the terms and conditions on the reverse side hereof. This above name Renter, by acceptance of delivery of the equipment listed herien, authorized the signed to enter into this contract on behalf of the Renter"

Print Name: \_\_\_\_\_

DATE \_\_\_\_\_

Signature: \_\_\_\_\_

DATE \_\_\_\_\_

TABULATED DATA RECEIVED

Please Initial



Sold by:

**Invoice**  
**Branch 001**  
 84 Floodgate Road, Dock A  
 Bridgeport, NJ 08014  
 Tel: 856-467-3636  
 Fax: 856-467-4841

Remit to: Xylem Dewatering Solutions, Inc.  
 26717 Network Place  
 Chicago, IL 60673-1237  
 Phone: 1.855.278.2248 (opt 1)

**NOTE:** Valued customers, please note the NEW remit address change included on this invoice.



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 East Goshen Township  
 1580 Paoli Pike  
 West Chester, PA 19380-6107

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 East Goshen Township  
 CPU - Branch 1  
 84 Floodgate Rd  
 Bridgeport, NJ 08014-1001

Cust. No.	Invoice Date	Invoice No.
00005093	01-21-2021	401064280

Page 1 of 1

Customer PO	Ordered By	Contract Date	Rental Contract #	Sales Representative	Order Taken By	Payment Terms
	Mr. Kevin Miller	01-07-2021	201079369	Daniel R. Pulcher	Daniel R. Pulcher	Net 60
QTY	ITEM	DESCRIPTION	PER	D/W/M	RATE	AMOUNT
		<b>Rental 01/07/2021 Thru 01/20/2021 *Return*</b>				
1	D-61860	CD150M 6" 4045D-T2 RGT 60G • QD Suction & Discharge; Overtime Running and Preventative Maintenance is Included	2	W		
4	HSDS060050QDDR	6" x 50' HD Layflat Hose W/QD	2	W		
3	HSWS060010QDSR	6" x 10' Black Water Suction Hose W/QD	2	W		
2	BN06090QDG000R	6" 90 Degree QD Bend	2	W		
1	BN060SBQDG000R	6" QD Step Bow	2	W		
1	SCMS060NA000R	6" Suction Screen • Large Hole w/MQD	2	W		
1	ENVFEE	Environmental Fee				

**PAID**

APPROVED BY: MR  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07429.1805

ALL PAST DUE INVOICES ARE SUBJECT TO 1 1/2% PER MONTH SERVICE CHARGE	Rental	Labor	Shipping	Misc. Charges	Taxes
	\$ 2,164.80	\$ 0.00	\$ 0.00	\$ 20.00	<del>\$ 144.74</del>

**Important Information:** Due to fraud attempts any communication for changes of bank account details have to be confirmed by a call-back with your respective Xylem contact person.

**Total Invoice** ~~\$ 2,329.54~~





**Rental Contract #201079369**  
**Mobilization #1.00**

**Branch 001**  
 84 Floodgate Road, Dock A  
 Bridgeport, NJ 08014  
 Tel: 856-467-3636  
 Fax: 856-467-4841  
 www.godwinpumps.com



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1580 Paoli Pike  
West Chester, PA 19380-6107

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East Goshen Township  
CPU - Branch 1  
84 Floodgate Rd  
Bridgeport, NJ 08014-1001

<b>Contract Date</b>	<b>Sales Representative</b>	<b>Order Taken By</b>	<b>Order Created By</b>
01-07-2021	Daniel R. Pulcher	Daniel R. Pulcher	Joanne S Jakubczak
<b>Customer PO</b>	<b>Ordered By</b>	<b>Location Phone</b>	<b>Cell Phone</b>
	Mr. Kevin Miller		610-656-9482
<b>Terms</b>	<b>Site Contact</b>	<b>Delivery Zone</b>	<b>Transaction</b>
Net 60	Mr. Kevin Miller	Customer Pick-Up	Local Rental Contract

**Delivery Instructions**

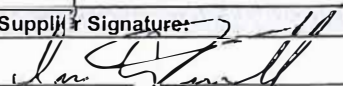
E-Code/Item Code	Qty	Description	Beginning Hours	Fuel
D-61860	1	CD150M 6" 4045D-T2 RGT 60G • QD Suction & Discharge; Overtime Running and Preventative Maintenance is Included	2,119.000	75.000 %
SCMS060NA000R	1	6" Suction Screen • Large Hole w/MQD		
HSWS060010QDSR	3	6" x 10' Black Water Suction Hose W/QD		
BN060SBQDG000R	1	6" QD Step Bow		
BN06090QDG000R	2	6" 90 Degree QD Bend		
HSDS060050QDDR	4	6" x 50' HD Layflat Hose W/QD		
DZONECUSTPU	1	Customer Pick-Up/Return		

APPROVED BY: 

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

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

CHARGED TO: 07929-1505

<b>Accepted by - Customer's Name: (please print)</b>	<b>Delivered by:</b>	<b>Time:</b>
	Truck#: CPU Date: 07 Jan 2021	
<b>Customer Signature:</b>	<b>Driver name: (please print)</b>	<b>Lessor/Supplier Signature:</b>
	Ian O'Donnell	

This order is subject to the Standard Terms and Conditions of Rental - Xylem Americas effective on the date the order is accepted which terms are available <https://www.xylem.com/en-US/support/xylem-americas-standard-terms-and-conditions/> and incorporated herein by reference and made a part of the agreement between the parties

**Home Office:**

84 Floodgate Road, Bridgeport, NJ 08014 • www.godwinpumps.com • (856) 467-3636 • (856) 467-4841



Sold by:

**Invoice**

**Branch 001**  
 84 Floodgate Road, Dock A  
 Bridgeport, NJ 08014  
 Tel: 856-467-3636  
 Fax: 856-467-4841

**Remit to:** Xylem Dewatering Solutions, Inc.  
 26717 Network Place  
 Chicago, IL 60673-1267  
 Phone: 1.855.278.2248 (opt 1)

**NOTE:** Valued customers, please note the NEW remit address change included on this invoice.

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 East Goshen Township  
 1580 Paoli Pike  
 West Chester, PA 19380-6107

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 East Goshen Township  
 CPU - Branch 1  
 84 Floodgate Rd  
 Bridgeport, NJ 08014-1001

Cust. No.	Invoice Date	Invoice No.
00005093	01-21-2021	401064279

Page 1 of 1

Customer PO	Ordered By	Contract Date	Rental Contract #	Sales Representative	Order Taken By	Payment Terms
	Mr. Kevin Miller	01-07-2021	201079369	Daniel R. Pulcher	Daniel R. Pulcher	Net 60
QTY	ITEM	DESCRIPTION	PER	D/W/M	RATE	AMOUNT
		<b>Replacement Charge For Lost Items</b>				
3	HSWS060010QDSR	6" x 10' Black Water Suction Hose W/QD				
1	SCMS060NA000R	6" Suction Screen • Large Hole w/MQD				

APPROVED BY: ML  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07429-1505

**PAID**

ALL PAST DUE INVOICES ARE SUBJECT TO  
 1 1/2% PER MONTH SERVICE CHARGE

Rental	Labor	Shipping	Misc. Charges	Taxes
\$ 1,362.40	\$ 0.00	\$ 0.00	\$ 0.00	<del>\$ 90.26</del>

**Important Information:** Due to fraud attempts any communication for changes of bank account details have to be confirmed by a call-back with your respective Xylem contact person.

**Total Invoice**

**\$ 1,452.66**





# Memo

---

To: Municipal Authority  
From: Chris Boylan  
Re: MA February 2021 Financial Report  
Date: March 4, 2021

---

In February, 2021, the Municipal Authority recorded \$30,688.51 in revenues (from transfers) and \$48,163.18 expenses, for a negative variance of \$17,474.67. As of February 28, 2021, the fund balance was -\$10,713.83, however, this is due to a timing issue. There were \$18,246.12 in transfers recorded and a bank expense of \$34.50 on 3/1/2021, which then accurately reflects a positive fund balance of \$7,498.

A complete list of 2021 YTD MA revenues and expenses is attached.

I will "see" you all at the meeting on Monday, March 8, 2021 at 7PM.

EAST GOSHEN TOWNSHIP  
Other Funds  
February 2021  
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
<b>REVENUE</b>								
INTEREST EARNINGS	07341 1000			0.93	0.93		35.43	35.43
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020							
DCED GRANT	07354 0400	152,980						
C.C. TAPPING FEES	07364 1100							
R.C.TAPPING FEES	07364 1110							
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130			563.76	563.76		281.88	281.88
MISCELLANEOUS REVENUE	07380 1000	565	424	282.24	(141.76)	424	141.12	(282.88)
TRANSFER FROM GENERAL ACCT	07392 0100							
TRANSFER FROM SEWER OPERATING	07392 0500	279,915	114,887	3,097.24	(111,790.17)	43,198	3,031.25	(40,166.93)
TRANSFER FROM SEWER CAP RESV	07392 0501							
TRANSFER-ANNUAL CAP.RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900	122,000	43,757	27,198.83	(16,557.68)	6,616	27,198.83	20,583.26
<b>TOTAL REVENUE</b>		<b>555,460</b>	<b>159,068</b>	<b>31,143.00</b>	<b>(127,924.92)</b>	<b>50,238</b>	<b>30,688.51</b>	<b>(19,549.24)</b>
<b>EXPENSES</b>								
ADMINISTRATIVE WAGES	07424 1400	30,000						
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000							
MUNIC.AUTH.-AUDITING	07424 3110	9,440		2,525.00	(2,525.00)		2,525.00	(2,525.00)
ENGINEERING SERVICES	07424 3130	60,900	13,091	3,097.25	9,993.38	6,745	3,031.25	3,713.67
LEGAL SERVICES	07424 3140	8,120	1,515		1,515.35	886		886.34
W.G. C.C.STP-UPGRADE	07424 7400							
MANHOLE COVER REPLACEMENTS	07424 7405							
C.C. CAPITAL - METERS	07424 7410							
C.C. CAPITAL- COLLECTION	07424 7420							
C.C. CAPITAL- INTERCEPTOR	07424 7430							
CAPITAL PROJ.-ENGINEERING	07424 7431							
R.C. CAPITAL-STP	07424 7440							
R.C. CAPITAL - COLLECTION	07424 7450							
R.C.-CAP. PROJ.-ENGINEER	07424 7451							
CAP.REPLACEMENT R.C.	07424 7490							
CAPITAL REPLACEMENT ASHBRIDGE	07424 7491							
HERSHEY MILL STATION - ENGINEER	07426 1000							
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALLMADGE DRIVE	07426 3000							

EAST GOSHEN TOWNSHIP  
Other Funds  
February 2021  
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
RESERVOIR PUMP STATION - ENGINEER	07428 1000							
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000							
RELINING	07429 1500							
BARKWAY PUMP STATION CAPITAL	07429 1501							
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503							
HUNT CO PUMP STATION CAPITAL	07429 1504	87,000	4,952		4,952.26	4,098		4,098.13
RCSTP CAPITAL	07429 1505	230,000		42,537.93	(42,537.93)		42,537.93	(42,537.93)
ASBESTOS CONCRETE ENGINEERING	07429 3130							
DIVERSION PROJ.- LEGAL	07429 3166							
WEST GOSHEN CAPITAL	07429 6100							
M.C.-DVRFA-DEBT SERVICE	07471 1000							
M.A.-R.C. DEBT SERVICE	07471 1010							
DVRFA PUMPING STATIONS - PRINCIPAL	07471 2000							
M.C.-DVRFA-INTEREST PAYMN	07472 1000							
M.A.-R.C. INTEREST	07472 1010							
DVRFA PUMPING STATIONS - INTEREST	07472 2000							
Bank Fees	07491 5001			69.00	(69.00)		69.00	(69.00)
TRANSFER TO GENERAL FUND	07492 0100							
TRANSFER TO SEW.OPERATING	07492 0500							
TRF TO SEWER CAPITAL RESERVE FUND	07492 0550							
TRANSFER TO AUTHORITY CAP FUND	07492 0990							
<b>TOTAL EXPENSES</b>		<b>425,460</b>	<b>19,558</b>	<b>48,229.18</b>	<b>(28,670.94)</b>	<b>11,729</b>	<b>48,163.18</b>	<b>(36,433.79)</b>
<b>NET RESULT FROM OPERATIONS</b>		<b>130,000</b>	<b>139,510</b>	<b>(17,086.18)</b>	<b>(156,595.86)</b>	<b>38,508</b>	<b>(17,474.67)</b>	<b>(55,983.03)</b>



2021 Year to Date Municipal Authority Revenues and Expenses

Account #	Description	Per	Src	Trx#	Debits	Credits	Date	Check#	ID #	Name	Description	Description 3
07341-10	BEGINNING BALANCE											
07341-10	INTEREST EARNINGS	2101	JE	76976	34.50	-	1/5/2021	BANK FEES		REIMBURSE S/R FOR DEC. 2020	BANK FEES	
07341-10	INTEREST EARNINGS	2102	JE	77346	-	34.50	2/8/2021	REVERSE		REVERSE & CORRECT TRX. 76976	BANK FEE CHARGES	
07341-10	INTEREST EARNINGS	2102	JE	77356	-	0.49	2/8/2021	INTEREST		INTEREST EARNED JANUARY 2021		7100.1035
07341-10	INTEREST EARNINGS	2102	JE	77638	-	0.44	2/28/2021	INTEREST		INTEREST EARNED FEBRUARY 2021		7100.1035
07364-11	BEGINNING BALANCE											
07364-11	CONNECTION FEES - SEWER	2101	CR	77256	-	423.00	1/28/2021	2694	012022	1 STOFFLET, MICHAEL		
07364-11	CONNECTION FEES - SEWER	2101	JE	77257	141.12	-	1/28/2021			PINE ROCK	INTEREST PORTION - STOFFLET	
07364-11	CONNECTION FEES - SEWER	2102	CR	77466	-	423.00	2/17/2021	745	012023	1 JACOBS, ROBERT & CHERYL		
07364-11	CONNECTION FEES - SEWER	2102	JE	77467	141.12	-	2/17/2021			PINE ROCK	INTEREST PORTION - JACOBS	
07380-10	BEGINNING BALANCE											
07380-10	MISCELLANEOUS REVENUE	2101	JE	77257	-	141.12	1/28/2021			PINE ROCK	INTEREST PORTION - STOFFLET	
07380-10	MISCELLANEOUS REVENUE	2102	JE	77467	-	141.12	2/17/2021			PINE ROCK	INTEREST PORTION - JACOBS	
07392-05	BEGINNING BALANCE											
07392-05	TRANSFER FROM SEWER OPERATING	2101	JE	77062	-	66.00	1/12/2021			XFER	JANUARY EXPENSES	
07392-05	TRANSFER FROM SEWER OPERATING	2101	JE	77072	0.01	-	1/13/2021			ADJUST TRX. 76744		
07392-05	TRANSFER FROM SEWER OPERATING	2102	JE	77393	-	3,031.25	2/9/2021			XFER	SEWER CAP. RE:FEB 2021 EXP.	
07392-09	BEGINNING BALANCE											
07392-09	TRANSFER FROM SEWER CAP RESERVE	2102	JE	77393	-	12,162.92	2/9/2021			XFER	SEWER CAP. RE:FEB 2021 EXP.	
07392-09	TRANSFER FROM SEWER CAP RESERVE	2102	JE	77434	-	15,035.91	2/12/2021			XFER	XFER \$ FROM 09 TO 07	
07424-31	BEGINNING BALANCE											
07424-31	MUNIC.AUTH.-AUDITING	2102	CD	77571	2,525.00	-	2/26/2021			3253	808 MAILLIE FALCONIERO & CO.	PROGRESS BILLING AUDIT EGT MUN.AUTH
07424-31	BEGINNING BALANCE											
07424-31	ENGINEERING SERVICES	2101	CD	77095	66.00	-	1/12/2021			3243	1052 PENNONI ASSOCIATES INC.	SERVICES THRU 12/6/20 GEN.SERVICES
07424-31	ENGINEERING SERVICES	2102	CD	77394	3,031.25	-	2/9/2021			3245	1052 PENNONI ASSOCIATES INC.	SERVICE THRU 12/31/20 2020 GEN.SERV
07429-15	BEGINNING BALANCE											
07429-15	RCSTP CAPITAL	2102	CD	77394	462.00	-	2/9/2021			3244	813 MAIN LINE CONCRETE	2 YDS CONCRETE 4000 PSI
07429-15	RCSTP CAPITAL	2102	CD	77394	5,552.50	-	2/9/2021			3245	1052 PENNONI ASSOCIATES INC.	SERVICE THRU 1/17/21 HERSH.MILL
07429-15	RCSTP CAPITAL	2102	CD	77394	5,766.40	-	2/9/2021			3246	550 XYLEM DEWATERING SOLUTIONS INC.	8X50' HEAVY DUTY LAYFLAT HOSE "
07429-15	RCSTP CAPITAL	2102	CD	77433	1,647.00	-	2/12/2021			3247	293 COLONIAL ELECTRIC SUPPLY	HAMMOND ELECTRIC BOX
07429-15	RCSTP CAPITAL	2102	CD	77433	7,004.16	-	2/12/2021			3248	598 HANSON AGGREGATES PENNSYLVANIA LLC	203.31 TONS 1/4 STONE "
07429-15	RCSTP CAPITAL	2102	CD	77433	472.50	-	2/12/2021			3249	1849 HICKS BROTHERS LLC	63 SMALL BALES OF STRAW
07429-15	RCSTP CAPITAL	2102	CD	77433	127.05	-	2/12/2021			3250	739 KNOX EQUIPMENT RENTALS INC.	MULCHER RENTAL1/21/21 HIBBERD LANE
07429-15	RCSTP CAPITAL	2102	CD	77433	2,258.00	-	2/12/2021			3251	3151 TRENCHTECH INC.	SHORE RENT & NYLON LIFTING SLING
07429-15	RCSTP CAPITAL	2102	CD	77433	3,527.20	-	2/12/2021			3252	550 XYLEM DEWATERING SOLUTIONS INC.	DRI-PRIME PUMP, HOSES & SUCTION
07429-15	RCSTP CAPITAL	2102	CD	77620	542.92	-	3/1/2021			3254	293 COLONIAL ELECTRIC SUPPLY	PVC CONDUITS, PANELS, LOCKNUTS &
07429-15	RCSTP CAPITAL	2102	CD	77620	1,112.20	-	3/1/2021			3255	1668 EXETER SUPPLY COMPANY INC	MAX ADAPTERS (4)
07429-15	RCSTP CAPITAL	2102	CD	77620	14,066.00	-	3/1/2021			3256	1876 FOLEY INC.	TRACK LOADER RENTAL 1/11-1/20/21
07491-50	BEGINNING BALANCE											
07491-50	Bank Fees	2102	EX	77369	34.50	-	2/9/2021	77369	1	REIMB. S/R -JAN.2021 BANK FEES	Bank Fees	
07491-50	Bank Fees	2102	JE	77346	34.50	-	2/8/2021			REVERSE	BANK FEE CHARGES	



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## Westtown Way Pump Station Review Comments

October 8, 2020

Pennoni reviewed the 20-sheet plan set titled “Westtown Way Pump Station Improvements Project” dated July 2020, the design report titled “Westtown Way Pumping Station No. 13 Rehabilitation Design Engineer’s Report” dated July 2020, the “Westtown Way PS Dry Pit Pump Selection” memorandum dated June 26, 2020, existing pump calculation spreadsheets dated May 2, 2018, proposed pump calculation spreadsheets dated June 30, 2020, and the “Value Engineering Opinion of Probable Construction Cost Estimate” dated May 2020, all prepared by HRG for the Westtown Way Pump Station (WWPS). We also reviewed daily WWPS flow meter data for six separate months between 2018 and 2020.

Our scope was to evaluate value engineering and cost savings opportunities and proposed features that exceed minimum needs. We focused on the highest cost impact components in the cost estimate, specifically the pump sizing, dry pit submersible pump solution, and electrical service. We offer the following associated comments for consideration by East Goshen Township and Municipal Authority.

### Station Flow Capacity

**The pump station rehabilitation appears to be based upon a pumping rate that is far in excess of that needed, thereby resulting in larger pumps, motors, and other associated rehabilitation and operational cost impacts.** A detailed explanation follows:

It is our understanding that the WWPS Chapter 94 rating is 7.7 MGD. However, the peak pumping rate of the existing Fairbanks Morse pumps is 6.192 MGD (4,300 gpm) according to the HRG reports. The station is being designed to maintain a similar capacity at 6.624 MGD (4,600 gpm), but the actual flow to the station is significantly less than this design basis. The report states that no notable future flow increases are projected since the tributary area is fully developed. We therefore suggest that the existing flow conditions should be the basis of design instead of those flow conditions that were projected when the WWPS was originally constructed.

The East Goshen-West Goshen intermunicipal agreement is based upon an average design flow for the WWPS of 1.825 MGD, with 1.0 MGD allocated to East Goshen (54.8%). According to the six months of flow data, the monthly average flow generally ranges from 1.172 MGD to 1.398 MGD with a maximum monthly average of 1.889 MGD during a very wet period in January 2019. Although the station is being designed to match the existing oversized pump capacity, the Engineer’s Report states that the design average daily flow should be 1.580 MGD, which is consistent with the actual flows. This stated flow would also be consistent with a planning flow rate of 300 gpd/EDU for the existing  $\pm 5,181$  tributary EDUs. However, given that East Goshen’s average flow to the WWPS has been 0.735 MGD over the past five years, below East Goshen’s intermunicipal agreement capacity of 1.0 MGD, we suggest the intermunicipal agreement capacity of 1.825 MGD is a more practical design basis for pump station rehabilitation.

The suggested peak factor for a pump station of this size based on Ten States Standards is approximately 2.7. The Engineer’s Report references the same peaking factor. With an average design flow rate of 1.825 MGD, the peak instantaneous flow would therefore be 4.927 MGD (1.825 MGD  $\times$  2.7 peak factor) or 3,422 gpm. This peak flow is approximately 26% less than the basis of design peak flow of 6.624 MGD (4,600 gpm) that is proposed to maintain existing pump rates. Further, the maximum day flow during the six months of meter data was 2.485 MGD. While this is not an instantaneous peak flow rate, it is well within our suggested 4.927 MGD peak rating. The proposed pumps are therefore considered to be significantly oversized.

The following table below summarizes the aforementioned flows, including the peaking factors associated with the various pump size alternatives (based on an average flow of 1.825 MGD).

Flow Condition	MGD	gpm	Peak Factor Over 1.825 MGD
Pump Rate Based on 1.825 MGD Allocation	4.927	3,422	2.7
Existing Peak Pump Rate	6.192	4,300	3.4
Design Peak Pump Rate	6.624	4,600	3.6
Chapter 94 Rating	7.7	5,347	4.2

The calculations provided by HRG indicate selection of three 250 horsepower dry pit submersible pumps. Considering typical operations of a triplex pump station, two pumps operating together must meet the peak flowrate at the head condition.

Based on the above data, the proposed pumps will provide significant excess capacity over the required peak. A reduction of the proposed pump rate would decrease the capital cost for rehabilitation including the costs of the incoming power equipment, generator, pumps, and VFDs. The hatch installation and structural modifications may be simplified since the hatches may be smaller. The size of the discharge piping and valves may be able to be reduced. The service platforms for the generator and electrical equipment will be smaller. It is also projected to decrease operational costs since the higher flow rate creates additional dynamic head through the system, thereby increasing the horsepower and power consumption needed for the pumps, and in turn adding to electricity costs.

Additionally, there may be an opportunity to reduce the pump sizing even further since there can be a reduction of horsepower per gallon pumped once the force main is filled to the peak elevation, thereby reducing the static head to the discharge elevation after the initial pump start.

### Extended Shaft Sewage Pumps

Two of the existing pumps are extended shaft sewage pumps and the third, or added, pump is labeled 1A and appears to be a dry pit submersible pump. The extended shaft sewage pump motors are located on the intermediate floor. As noted by HRG, moving an extended shaft sewage pump is awkward because the pump extended shaft does not allow for the placement of a hoist beam above the pump. Removal of an extended shaft sewage pump requires that the pump be moved from underneath the motor and hoisted through a floor opening. The station does not have permanent hoisting equipment, so we understand that temporary equipment is currently used.

Overall, the presented dry pit pump installation can be characterized as a typical retrofit. The use of dry pit submersibles for a sewage station retrofit is preferred by most end users but is not mandatory. The dry pit submersible design allows for the direct removal of the pump. The motors are protected from flooding by design. The maintenance issues associated with the shafts are removed. Even though the chance of flooding the dry well to the intermediate level where the motors are located is remote, there is still a risk. The use of dry pit submersibles removes the flood risk associated with the extended shaft motors.

That said, we expect the dry pit submersible installation will be more costly than the replacement of the existing extended shaft sewage pumps. The submersible pumps are typically more expensive, and the piping needs to be reconfigured to allow for installation of the submersible pumps. Neither HRG or Pennoni has obtained pricing for comparable extended shaft pumps, but HRG has suggested that they may be approximately 10% less costly for initial purchase and installation. Their cost opinion estimates the



submersible pumps at \$493,000, so there could be a capital savings on the order of \$50,000 by using extended shaft pumps.

HRG's memo suggests that these initial capital cost savings may be offset by efficiency reductions and associated long-term operational costs for extended shaft pumps. We recommend that the efficiency and operational cost impacts be determined with more certainty to determine if there is in fact an offset.

The submersible pump installation also requires structural modification and installation of four larger floor hatches and two new floor hatches. Should the pumps be replaced with three extended shaft sewage pumps, it may only be necessary to install the two new floor hatches, and the other four existing hatches can remain as-is or will not need to be enlarged as much. The pressure relief valve and its discharge would also need to be relocated to provide an area to remove Pump 1A. Either permanent hoisting equipment should be installed, or a rolling gantry crane could be used to remove the pumps and motors. We estimate that the HRG cost opinion, including contingency, contains \$300,000 – \$400,000 for the structural work and installation of floor hatches. It may be reasonable to anticipate a savings of \$50,000 – \$100,000 on structural work if extended shaft pumps are used, but this cost reduction cannot be determined with certainty at this time since the specific structural upgrades are not known.

The electrical installation is more expensive for rerouting the conduit and wiring as well for submersible pumps, but we have not estimated the potential electrical cost savings associated with extended shaft pumps.

**Without the benefit of mechanical, structural, and electrical re-design and vendor price quotes, it may be reasonable to anticipate an overall capital cost savings of \$100,000 – \$200,000 by using extended shaft pumps.**

### Electric Upgrade

From online imagery, it appears the station is powered from a PECO pole on Westtown Way. The Medium Voltage (MV) service cabling is presumed to run under the roadway and then run underground through Barker Park to the existing MV Switchgear (approximately 350 feet). It would be prudent to have this MV service cable tested to determine its condition and continued viability prior to finalizing the improvements design. If this cabling should require replacement, then that cost impact should be reflected in the project estimate/budgeting.

Based on the location of the PECO MV lines, we agree with the proposed replacement of the MV transformer and West Goshen maintaining ownership of the MV transformer.

### Cost Estimate

The general construction estimate overall seems to be conservative, but we offer the following cost-related comments:

#### Contract WW-1 Cost Opinion

- Item 2 – Bypass piping costs seem high as a per day rate, but duration of required bypassing depends upon efficiency of the contractor.
- Items 8 and 9 – The generator and electrical gear platforms seem high at a total of \$130,000. Elevated concrete pad foundations may be less costly.
- Various Items – Structural steel cost totals \$93,000 in material costs at \$5 per pound. There are likely additional costs to install the steel. Typical structural steel fabrication costs are \$2 to \$3 per pound.
- Item 47 – The hoist is estimated as \$40,000. A 5-ton rail mounted hoist is approximately \$15,000 with the cabling system.
- Item 52 – Extent of HVAC work is not clear for the \$50,000 estimated.

Contract WW-2 Cost Opinion

- Item 13 – Misc. Electrical Conduit, Wire, and Work seem low at \$25,000 to install the equipment shown.

General

- Even though some of the line items seem conservative, the contingency is listed as 10%, which we consider low for a conceptual design estimate.

**Questions for West Goshen and/or the Design Engineer**

- Is there a reason the station needs to be designed to maintain the high existing peak flow rating?
- Are there available pump options to accommodate the lower minimum peak pump rate to save capital and ongoing costs?
- The 6 x 6 hatches seem large for the pump sizes shown and potentially dangerous. What is the criteria for the hatch size?
- Has the use of guard rail been considered rather than pump hatches to protect the intermediate floor openings?
- Has consideration been given to combining the generator and incoming electrical gear platforms into one elevated concrete pad foundation?
- The pump calculations are showing a high point elevation of 443 ft, a FM discharge elevation of 329 ft, and a suction head elevation of 262 ft. The static head of 180 ft is calculated on the high point elevation, rather than the FM discharge elevation. Has the designer considered the use of air release valves located at high points to vent trapped air to assure a full pipe to the FM discharge so that static head requirements and pump horsepower can be reduced?



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King of Prussia, PA 19406  
484.460.7050  
www.hrg-inc.com

March 2, 2021

Mr. Rick Smith, Township Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, Pennsylvania 19380

Re: West Goshen Sewer Authority  
Westtown Way Pump Station  
Review Comments Response

Dear Mr. Smith:

We have reviewed the comments provided by the Township's Consulting Engineers, Pennoni dated October 8, 2020 and received December 14, 2020 and are providing the following responses for your review and consideration.

1. Extended Shaft Sewage Pumps - As stated in the comments provided by Pennoni, a dry-pit pump replacement is consistent as a typical retrofit and the pumps provided in the original basis of design memo were selected with the West Goshen Township Staff due to their functionality, performance characteristics, serviceability, and reputation in the industry.
2. Cost Estimate – We acknowledge the items identified in the comments provided by Pennoni and offer that costs continue to fluctuate in the current market. While labor costs appear to be lower due to increased competition in the wastewater market, materials costs are beginning to climb, specifically for building construction materials such as steel and wood. Recent industry projections include increases as high as 10.5%. We have already seen increases in the pump costs since the estimate was provided and reviewed by 3.5%.
3. Questions: Is there a reason the station needs to be designed to maintain the high peak flow rating? Are there available pump options to accommodate the lower minimum peak pump rate to save capital and on-going costs?

Answer: Although average flows experienced at the Westtown Way Pump Station (Pump Station) are significantly less than the design capacity of the pump station, the Pump Station does experience flows that require the provided design capacity of the station. As a result, the Pump Station will not be de-rated for less capacity and the existing capacity will be maintained in the pump station in accordance with the approved Water Quality Management Permit.

4. Question: The 6 x 6 hatches seem large for the pump sizes shown and potentially dangerous. What is the criteria for the hatch sizes.

Answer: The hatch sizes are being proposed as a result of providing adequate space for the removal of all three of the pumps while balancing the physical constraints of the existing building slab support beams that provide obstacles for pump removal.



5. Question: Has the use of guard rail been considered rather than pump hatches to protect the intermediate floor openings.

Answer: This had not been previously taken into consideration but will be evaluated as part of the final design. We agree that this may be a better approach for the intermediate level.

6. Question: Has consideration been given to combining the generator and incoming electrical gear platforms into one elevated concrete pad foundation?

Answer: Yes, this is being considered as part of the final design. Part of the evaluation includes the required distance from PECO for the primary transformers to the emergency generators. This required distance may preclude the use of a combined platform.

7. Question: Has the designer considered the use of air release valves located at the high points to vent trapped air to assure a fill pipe to the FM discharge so the static head requirements and pump horsepower can be reduced?


Answer: The existing air release valves continue to be systematically replaced along the force main; however, the use of air release valves in this scenario does not change the static head conditions in the force main as the flow away capacity of the force main, downstream of the high point exceeds that of the pump capacity.

We appreciate the thoughtful comments and responses that were provided and hope that this correspondence addresses any final remaining concerns. As we continue to finalize the design and prepare the Project for public bidding, we fully intend to share a copy of the Bidding Documents with you. We understand the urgency to get this Project out to bid in an effort to avoid escalating construction costs and will make every effort to continue to expedite this work.

Mr. Moffa and I would be happy to meet with you or your consulting engineer at your convenience if you wish to discuss this matter further.

Sincerely,

HERBERT, ROWLAND & GRUBIC, INC.



Joshua T. Fox, P.E.  
Water and Wastewater Practice Area Leader

JTF/rb  
007608.0426

c: West Goshen Sewer Authority  
Mr. Michael Moffa, Wastewater Superintendent  
HRG File

**Pennsylvania Municipal Authorities Association  
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Website: [www.municipalauthorities.org](http://www.municipalauthorities.org)**

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380

12/15/2020  
ID: 212

**INVOICE**

	<u>Current Bal.</u>	<u>Adjustments</u>	<u>Balance Due</u>
2021 ACTIVE MEMBERSHIP DUES	\$880.25	\$0.00	\$880.25

We would appreciate payment within 60 days. If you pay by check, please remit a copy of invoice with payment. We accept Visa, Master Card, and Discover. If you DO NOT wish to renew your membership, please send a written notice to our office. Thank you for your prompt response.

Name on Card: \_\_\_\_\_, Type of Credit Card: \_\_\_\_\_  
Credit Card No.: \_\_\_\_\_, Exp.: \_\_\_\_\_  
3 Digit Security Code on reverse side of credit card: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: \_\_\_\_\_

*Handwritten initials and date:*  
CB  
3/2/21

**RESOLUTION  
OF THE EAST GOSHEN MUNICIPAL AUTHORITY  
CHESTER COUNTY, PENNSYLVANIA**

A RESOLUTION THAT DECLARES THE OFFICIAL INTENT OF THE EAST GOSHEN MUNICIPAL AUTHORITY (THE "MUNICIPAL AUTHORITY") TO REIMBURSE EXPENDITURES FOR CERTAIN CAPITAL PROJECTS FROM THE PROCEEDS OF A GUARANTEED REVENUE NOTE (THE "NOTE") THAT THE MUNICIPAL AUTHORITY EXPECTS TO ISSUE WITHIN THE NEXT TWELVE MONTHS AND THAT DECLARES THE INTENT OF THE MUNICIPAL AUTHORITY TO COMPLY WITH THE REIMBURSEMENT REGULATIONS OF THE INTERNAL REVENUE CODE.

WHEREAS, certain capital projects (the "Project") consisting of (i) Modifications to the Westtown Way Pump Station (ii) Improvements to portion of the collection system located in Hershey Mill Estates, and (v) the payment of the costs of issuance of the Note, will benefit the citizens of East Goshen Township and the Township residents served by the public sewer system; and

WHEREAS, the incurrence of non-electoral debt by the Municipal Authority is necessary to fund the Project; and

WHEREAS, the Municipal Authority expects to issue a Guaranteed Revenue Note (the "Note") within the next twelve (12) months to fund the costs of the Project; and

WHEREAS, the Municipal Authority expects to incur costs of the Project before the issuance of the Note.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE EAST GOSHEN MUNICIPAL AUTHORITY, THAT:

This Resolution constitutes a statement of official intent under the Treasury Regulations §1.150-2, T.D. 8476 (the "Reimbursement Regulations") of the *Internal Revenue Code* (the "Code") to reimburse from the proceeds of the Note the expenditures for the Project, incurred by



the Municipal Authority no more than sixty (60) days prior to the adoption of this Resolution and prior to the issuance of the Note. The Municipal Authority reasonably expects to pay costs of the Project from general operating funds prior to the issuance of the Note, and the Municipal Authority reasonably expects to issue the Note. The Municipal Authority does not reasonably expect any source of funds, other than the Note, to be available to pay the costs of the Project. The expectations set forth in this Resolution are consistent with the financial and budgetary circumstances and plans of the Municipal Authority.

The Municipal Authority shall reimburse only expenditures on the Project incurred no more than sixty (60) days prior to the adoption of the Reimbursement Resolution. This limitation shall not apply to the reimbursement of qualified "preliminary expenditures" as defined in the Reimbursement Regulations provided that the amount of preliminary expenditures shall not exceed 20% of the par amount of the Note.

A copy of the text of this Resolution may be examined by any citizen in the office of the Secretary of the Municipal Authority located in the East Goshen Township Municipal Building, 1580 Paoli Pike, West Chester, Pennsylvania 19380, Monday through Friday between the hours of 8:00 A.M. and 5:00 P.M.

All Resolutions or parts of resolutions not in accord with this Resolution are hereby repealed insofar as they conflict herewith.

(Signatures on next page)

IN WITNESS WHEREOF, we, the undersigned authorized officials of the East Goshen Municipal Authority, Chester County, Commonwealth of Pennsylvania, have hereunto set our signatures and affixed hereto the Seal of the Municipal Authority.

Dated: \_\_\_\_\_, 2021

\_\_\_\_\_  
Dana Pizarro  
Chairman  
East Goshen Municipal Authority

[Seal]

ATTEST:

\_\_\_\_\_  
Walter Wujcik  
Secretary  
East Goshen Municipal Authority

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