

EAST GOSHEN MUNICIPAL AUTHORITY

July 12, 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. June 14, 2021

5. APPROVAL OF INVOICES

| | | |
|---|----|------------------|
| Pennoni Invoice #1076829 | \$ | 144.00 |
| Pennoni Invoice #1076826 | \$ | 3,819.33 |
| Pennoni Invoice #1076825 | \$ | 3,902.75 |
| Gawthrop Invoice #244409 | \$ | 1,244.31 |
| Highway Materials"Hibberd Lane" #216922 | \$ | 343.82 paid 6/21 |
| Deckman Invoice #3438 | \$ | 656.00 paid 6/21 |

6. LIAISON REPORTS

7. FINANCIAL REPORTS – (David Ware) Finance Director

- a. June Financial Report

8. OLD BUSINES

- a. Resolution to Reimburse Expenditures for Capital Projects
- b. Hershey Mill Trunk Line (Mike Ellis)

9. 2021 Goals:

| Goal | Status |
|--|--|
| Ridley Creek Plant Compliance | January, February, March, April and May and June were all in compliance and met all requirements |
| Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station July 7 th meeting | Discuss under New Business |
| Continue to Implement Infiltration and Inflow for the Sewer System | We have continued televising for the month of June. 2,500 L.F. |
| Caustic Soda Project Mike Ellis is currently working on the Project | 75% complete – set up meeting with Twp. Staff / John Laidly |
| Replace sewer line Hershey Mill Estates trunk line replacement | Engineer will bring you up to date under old business. Mark has met with residents to keep them up to date |
| Hunt Country Pump Station Mag Meter Replacement | 2021 – \$15,000.00 – on Hold - possibly apply for grant funding |
| Hunt Country Pump Station Muffin Monster Replacement | 2021 – \$67,000.00 – on Hold – possibly apply for grant funding |
| Hunt Country Pump Station Bypass Pump | 2021 - \$5,000 on hold – possibly apply for grant |
| Three new meters for Ridley Creek Collection | Hibbered Lane is on line. |

10. NEW BUSINESS

a. Discuss the July 7th meeting with West Goshen MA members and WG Supervisor along with our members and Supervisors (Dana Pizarro) Westtown Way Pump Station EOPCC Comparison

11. CAPACITY REQUESTS

a. 1725 Towne Drive lateral connection

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1560 PAOLI PIKE, WEST CHESTER, PA 19380-6199

July 9, 2021

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

Monthly Flows: The average daily flow to West Goshen was 743,989 per day.

We were busy the month of June with several different projects. The work was completed on SBR1, we are currently waiting on the pumps to return from Deckmens. The piping was sandblasted and then recoated with a highly abrasive type of material. We also worked in various developments televising the sewers.

Meters: The meters were read on a daily basis. A tree took out the overhead wire at Ellis Lane, we will string a new wire next Monday. All the other meters are working.

C.C. Collection: The pumping stations were visited on a daily basis where routine maintenance was performed. The new VFD's have arrived for Hershey Mill Pump Station. We will get them installed as soon as time allows. We had a reported residential sewer clog on Grand Oak Lane, after several attempts to clear the lateral we decided to dig. We found that the water company's contractor struck the lateral so we continued to make the repair. All costs for the job will be invoiced to the contractor. The contractor was called and they did arrive at the scene so they could witness the damage. Our crews worked into the evening installing a new lateral.

We also televised all of Bitter Sweet Development as the water company will be installing new water mains. Prior to them starting I held a Pre Con meeting with the crew to explain that if they hit a lateral they are to report it as soon as it happens. We also had to remove 12 large Ash trees along the sanitary sewer line located behind Thistle Lane.

R.C. Collection:

The pump station was visited on a daily basis and the meters were read with no problems to report. We did complete the clearing along the Hershey Mill trunk line while doing so we managed to bury our skid steer with Vince inside (Picture attached).

Ridley Creek Plant:

We had to go in when the number 2 generator went into alarm mode for low coolant level. Paul Sydeil was notified to come out and check the generator, he found out that the water pump was bad. The part has been ordered and once it arrives it will be installed.

Alarms:

We responded to 20 alarms for June.

PA One Calls:

We responded to over 130 PA One Calls for the month June.

Monthly Rainfall:

7.50 inches of rain for the month of June.

Lateral repairs or Caps:

We repaired 12 laterals and inspected them.



Shoring up the
Trench.



Crew locating the
4" Lateral

1451 Grand oak Lane



4" Lateral Showing Tooth marks





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

www.pennoni.com

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

July 9, 2021

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – No activity since our last report. An updated progress plan was previously submitted to the Township for review. A field review meeting with Public Works, the operator, and controls contractor is being scheduled.
- SBR #1 Repairs – Coating and concrete repairs were previously completed. We are finalizing our inspection report for submission to track the condition vs. prior tank inspections.
- We initiated the NPDES Permit Renewal application.

Ridley Creek Collection System Permanent Meters

- No activity since our last report.

Westtown Way Pump Station

- We analyzed cost estimates and project programming alternatives in preparation for the intermunicipal coordination meeting with West Goshen. We attended the coordination meeting on July 7.

Sanitary Sewer Pipe Rehab

- Suplee Valley – No activity since our last report.
- Hershey's Mill Estates –
 - The wetland delineation and bog turtle habitat investigation reports were submitted to US Fish & Wildlife Service (USFWS) on May 19, 2021. We anticipate the USFWS review will take 60-90 days and that we will have comments in late July or August.
 - Upon receipt of USFWS concurrence, we will submit the Waterways permit application. The extent of wetlands impacts will dictate if the permitting will be a PADEP General Permit or a USACE Individual Permit, which is still being determined. This permitting typically takes 90-120 days for review.
 - An updated approx. 80% progress plan submission was made to the Township on June 23. We conducted another field review meeting with Mark thereafter. There are several residential cleanouts/laterals that our survey was unable to uncover. Public Works will have the sewers re-televised to locate the laterals and to revisit the condition of a few pipes that were not planned for replacement to determine if they should be added to the contract as Add Items. subsequently performed an excavation of the lateral and installed a cleanout.
 - We will need to commission an additional field survey to obtain elevations and locations for storm sewer culverts near the tennis court and the previously unlocated cleanouts. We will also stakeout residential property lines throughout the project extent to ensure work is contained within easements and Township property.
 - Schedule – The aforementioned permitting is expected to take another 4-5 months. A 5-month duration would result in bidding in or around December, award in early 2021, and

construction thereafter with timeframes to potentially be dictated by environmental agencies.

I&I Program

- No activity since our last report.

New Connections

- No activity since our last report.

Industrial Pretreatment Ordinance

- No activity since our last report. As discussed at the May MA meeting, a headworks study with sampling at the RCSTP need to be conducted to set contaminant limits. There will not be a notable cost savings to perform the sampling as part of the ongoing NPDES Permit Renewal sampling since the sampling will be significantly different. Consideration should be given to budgeting for the headworks study and sampling in 2022.

END OF REPORT



Executive Summary¹

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of May 2021. All supplemental reports were submitted with the DMR. Discharge to the Applebrook irrigation lagoon was placed on line. Chemical usage utilized for pH and total alkalinity remained consistent with previous months. Aluminium sulfate solution continued to be reduced while remaining to achieve phosphorus removal. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. There were a couple of odor complaints as a result of warmer temperatures contributing to odors from the sludge holding tanks. Actions to mitigate the odors were placed in effect and no additional odors were reported during month.

Treatment Process Operation

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

Table 1

| May 2021- Final Effluent - Outfall 001 | | | | | | | | | | | |
|--|---------|-------------------|-------|------|-------|--------------------|-------|-------------------|-------|----------------|--------|
| NPDES Permit Discharge Limitations | Flow | CBOD ₅ | | TSS | | NH ₄ -N | | Phosphorus, Total | | Fecal Coliform | |
| | MGD | | lbs/ | | lbs/ | | lbs/ | | lbs/ | | Geo |
| | Average | mg/L | month | mg/L | month | mg/L | month | mg/L | month | Geo Mean | Mean |
| | 0.75 | 20 | 125 | 10 | 131 | 2.5 | 44 | 0.5 | 3 | 200 | 1,000 |
| | | 40 | | 15 | | | | | | | |
| Sample Date | | | | | | | | | | | |
| May 4, 2021 | 0.319 | 2.7 | 7.2 | 6 | 16.0 | 0.518 | 1.38 | 0.16 | 0.43 | 39 | 1.5911 |
| May 11, 2021 | 0.326 | 3.3 | 9.0 | 6 | 16.3 | 0.346 | 0.94 | 0.10 | 0.27 | 2 | 0.3010 |
| May 18, 2021 | 0.176 | 2.0 | 2.9 | 5 | 7.3 | 0.291 | 0.43 | 0.12 | 0.18 | 1 | 0.0000 |
| May 25, 2021 | 0.259 | 4.3 | 9.3 | 5 | 10.8 | 0.412 | 0.89 | 0.17 | 0.37 | 1 | |
| Average | 0.270 | 3.1 | 7.1 | 6 | 12.6 | 0.392 | 0.91 | 0.14 | 0.31 | 11 | 0.6307 |
| Minimum | 0.176 | 2.0 | 2.9 | 5 | 7.3 | 0.291 | 0.43 | 0.10 | 0.18 | 1 | 0.0000 |
| Maximum | 0.326 | 4.3 | 9.3 | 6 | 16.3 | 0.518 | 1.38 | 0.17 | 0.43 | 39 | 1.5911 |

Compliance with the NPDES discharge permit was achieved during May. The monthly average total phosphorus was reported as 0.14 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 6 mg/L as compared to the discharge limitation of 10 mg/L. The TSS weekly averages are presented below in Table 2.

Table 2

| May 2021 Final Effluent Weekly TSS Averages | |
|--|--------|
| Week 1 | 6 mg/L |
| Week 2 | 6 mg/L |
| Week 3 | 5 mg/L |
| Week 4 | 5 mg/L |

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

Discharge to the Applebrook irrigation lagoon, outfall 002 continued through June.

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 3 presents the available pollutant data for the Applebrook discharge reported as outfall 002 on the May 2021 DMR.

Table 3

| May 2021 - Applebrook - Out Fall 002 | | | | | | | | | | | |
|---|----------------|-------------------------|-----------------------|-------------|-----------------------|-------------------------|-----------------------|--------------------------|-----------------------|-----------------------|---------------------|
| NPDES Permit Discharge Limitations | Flow | CBOD₅ | | TSS | | NH₄-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 | 25 | | 30 | | 2.5 | 44 | 0.5 | 3 | 200 | 1,000 |
| | | 40 | | 45 | | | | | | | |
| May 4, 2021 | 0.0000 | No discharge | | | | | | | | | |
| May 11, 2021 | 0.0000 | | | | | | | | | | |
| May 18, 2021 | 0.1567 | 2.0 | 2.6 | 5 | 6.5 | 0.291 | 0.38 | 0.12 | 0.16 | 1 | 0.0000 |
| May 25, 2021 | 0.0509 | 4.3 | 1.8 | 5 | 2.1 | 0.412 | 0.17 | 0.17 | 0.07 | 1 | 0.0000 |
| Average | 0.052 | 3.2 | 2.2 | 5 | 4.3 | 0.352 | 0.28 | 0.15 | 0.11 | 1 | 0.0000 |
| Minimum | 0.000 | 2.0 | 1.8 | 5 | 2.1 | 0.291 | 0.17 | 0.12 | 0.07 | 1 | 0.0000 |
| Maximum | 0.157 | 4.3 | 2.6 | 5 | 6.5 | 0.412 | 0.38 | 0.17 | 0.16 | 1 | 0.0000 |

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

Table 4

| May 2021 - Influent Wastewater | | | | | | | | | | | |
|--------------------------------|---------|------------------|---------|------|---------|--------------------|---------|-----------|---------|-------------------------|---------|
| Design Basis | Flow | BOD ₅ | | TSS | | NH ₄ -N | | TKN, mg/L | | Phosphorus, Total, mg/L | |
| | MGD | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day |
| | Average | 335 | 2,098 | 320 | 2,001 | 32 | 200 | 48 | 301 | 9.1 | 57 |
| Sample Date | | | | | | | | | | | |
| May 4, 2021 | 0.500 | 95 | 395 | 297 | 1,237 | 35.1 | 146 | 41.2 | 172 | 8.0 | 33.3 |
| May 11, 2021 | 0.475 | 187 | 741 | 358 | 1,419 | 30.3 | 120 | 40.0 | 159 | 5.5 | 21.8 |
| May 18, 2021 | 0.517 | 332 | 1,431 | 347 | 1,496 | 35.5 | 153 | 123.0 | 530 | 0.6 | 2.6 |
| May 25, 2021 | 0.931 | 237.0 | 1,840 | 370 | 2,873 | 34.1 | 265 | 60.0 | 466 | 5.9 | 45.8 |
| Average | 0.6057 | 213 | 1,102 | 343 | 1,756 | 34 | 171 | 66.1 | 332 | 5.0 | 25.9 |
| Minimum | 0.4754 | 95 | 395 | 297 | 1,237 | 30 | 120 | 40.0 | 159 | 0.6 | 2.6 |
| Maximum | 0.9309 | 332 | 1,840 | 370 | 2,873 | 36 | 265 | 123.0 | 530 | 8.0 | 45.8 |

The foam on the SBR surface reduced to approximately 5% to 20% coverage of the surface area. The foam thickness is approximately 3 to 4 inches with a light to medium brown color. These conditions may contribute to a decrease in clarity within the final effluent post flow equalization basins; however, the clarity is improved after passing through the disc filters. The operation strategy is to lower the MLSS to maintain a F:M ratio of 0.06 while ensuring the ammonia effluent discharge concentration remains within the seasonal limit of 2.5 mg/L.

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

Table 5

| June 2021- Final Effluent - Outfall 001 | | | | | | | | | | | |
|---|---------|-------------------|-----------|------|-----------|--------------------|-----------|-------------------|-----------|----------------|----------|
| NPDES Permit Discharge Limitations | Flow | CBOD ₅ | | TSS | | NH ₄ -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 | 20 | 125 | 10 | 131 | 2.5 | 44 | 0.5 | 3 | 200 | 1,000 |
| | 0.75 | 40 | | 15 | | | | | | | |
| Sample Date | | | | | | | | | | | |
| June 1, 2021 | 0.250 | 2.5 | 5.2 | 5 | 10.4 | 0.233 | 0.49 | 0.14 | 0.29 | 1 | 0.0000 |
| June 8, 2021 | 0.363 | 2.3 | 7.0 | 5 | 15.1 | 0.286 | 0.87 | 0.12 | 0.36 | 3 | 0.4771 |
| June 15, 2021 | 0.316 | 3.0 | 7.9 | 4 | 10.5 | 0.100 | 0.26 | 0.12 | 0.32 | 10 | 1.0000 |
| June 22, 2021 | 0.318 | | | | | | | | | | |
| June 25, 2021 | 0.244 | | | | | | | | | 1 | 0.0000 |
| June 29, 2021 | 0.252 | | | | | | | | | | |
| Average | 0.291 | 2.6 | 6.7 | 5 | 12.0 | 0.206 | 0.54 | 0.13 | 0.32 | 4 | 0.4924 |
| Minimum | 0.244 | 2.3 | 5.2 | 4 | 10.4 | 0.100 | 0.26 | 0.12 | 0.29 | 1 | 0.0000 |
| Maximum | 0.363 | 3.0 | 7.9 | 5 | 15.1 | 0.286 | 0.87 | 0.14 | 0.36 | 10 | 1.0000 |

Table 6 presents the available pollutant data for the Applebrook discharge reported as outfall 002 on the June 2021 DMR.

Table 6

| June 2021 - Applebrook - Out Fall 002 | | | | | | | | | | | |
|---------------------------------------|---------|-------------------|-----------|------|-----------|--------------------|-----------|-------------------|-----------|----------------|----------|
| NPDES Permit Discharge Limitations | Flow | CBOD ₅ | | TSS | | NH ₄ -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 | 25 | | 30 | | 2.5 | 44 | 0.5 | 3 | 200 | 1,000 |
| | | 40 | | 45 | | | | | | | |
| June 1, 2021 | 0.0509 | 2.5 | 1.06 | 5 | 2.12 | 0.233 | 0.10 | 0.50 | 0.21 | 1 | 0.0000 |
| June 8, 2021 | 0.0479 | 2.3 | 0.92 | 5 | 2.00 | 0.286 | 0.11 | 0.00 | 0.00 | 3 | 0.4771 |
| June 15, 2021 | 0.0430 | 3.0 | 1.08 | 4 | 1.43 | 0.100 | 0.04 | 0.00 | 0.00 | 10 | 1.0000 |
| June 22, 2021 | 0.0461 | | | | | | | | | | |
| June 25, 2021 | | | | | | | | | | 1 | 0.0000 |
| June 29, 2021 | 0.0511 | | | | | | | | | | |
| Average | 0.048 | 2.6 | 1.0 | 5 | 1.9 | 0.206 | 0.08 | 0.17 | 0.07 | 4 | 0.3693 |
| Minimum | 0.043 | 2.3 | 0.9 | 4 | 1.4 | 0.100 | 0.04 | 0.00 | 0.00 | 1 | 0.0000 |
| Maximum | 0.051 | 3.0 | 1.1 | 5 | 2.1 | 0.286 | 0.11 | 0.50 | 0.21 | 10 | 1.0000 |

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

Table 7

| June 2021 - Influent Wastewater | | | | | | | | | | | |
|---------------------------------|---------|------------------|---------|------|---------|--------------------|---------|-----------|---------|-------------------------|---------|
| Design Basis | Flow | BOD ₅ | | TSS | | NH ₄ -N | | TKN, mg/L | | Phosphorus, Total, mg/L | |
| | | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day |
| | MGD | | | | | | | | | | |
| | Average | 335 | 2,098 | 320 | 2,001 | 32 | 200 | 48 | 301 | 9.1 | 57 |
| Sample Date | | | | | | | | | | | |
| June 1, 2021 | 0.957 | 367 | 2,930 | 413 | 3,298 | 49.9 | 398 | 81.5 | 651 | 12.3 | 98.2 |
| June 8, 2021 | 0.913 | 212 | 1,614 | 337 | 2,565 | 42.2 | 321 | 52.2 | 397 | 9.5 | 72.3 |
| June 15, 2021 | 0.486 | 241 | 977 | 273 | 1,107 | 36.9 | 150 | 43.0 | 174 | 5.3 | 21.5 |
| June 22, 2021 | 0.507 | | | | | | | | | | |
| June 29, 2021 | 0.482 | | | | | | | | | | |
| Average | 0.6690 | 273 | 1,840 | 341 | 2,323 | 43 | 290 | 58.9 | 407 | 9.0 | 64.0 |
| Minimum | 0.4816 | 212 | 977 | 273 | 1,107 | 37 | 150 | 43.0 | 174 | 5.3 | 21.5 |
| Maximum | 0.9574 | 367 | 2,930 | 413 | 3,298 | 50 | 398 | 81.5 | 651 | 12.3 | 98.2 |

PA DEP

No activity

Pennoni

Provided copies of the RSCTP DMRs submitted from 2017 through May 2021 as requested by Aqua/Essential Utilities in relation to their East Whiteland and Willistown systems since both have some connections into Ridley.

Significant Rainfall

During June, there eleven (11) days when rainfall occurred. There were three (3) events of rainfall exceeding 0.50 inches on one (1) event occurring over five (5) consecutive days.

These events occurred on:

| | |
|-----------------------------|--------------------|
| June 8 th | 0.68 inches |
| June 9 th | 0.60 inches |
| June 10 th | 0.8 inches |
| June 11 th | 0.20 inches |
| <u>June 12th</u> | <u>0.30 inches</u> |
| Five-day Total | 1.86 inches |

June 15th 1.15 inches

A total of 4.57 inches of rainfall measured during the month.

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfall 001. Adjustments included reducing aeration minutes per cycle, extending decant minutes per cycle and reducing settling times.

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:

| June 2021 | | |
|----------------------------|---------------|---------------|
| Chemical | Daily Average | Total Monthly |
| Soda Ash | 290 | 9,000 |
| Aluminium Sulfate solution | na | na |

Flow data:

| June 2021 | | | |
|--|----------------------------|-------------------------|-------------------------|
| Flow Meter Location | Total Volume for Month, MG | Average Daily Flow, gpd | Daily Maximum Flow, gpd |
| Influent Wastewater to Screening Building* | 17.899 | 596,624 | 1,229,600 |
| Influent Wastewater to SBRs* | 13.721 | 457,357 | 554,112 |
| Internal Recycle** | 0.450 | 14,996 | 375,532 |
| Treated Effluent to Disc Filters | 13.564 | 452,147 | 555,904 |
| Final Effluent Discharge | 8.24 | 274,667 | 363,000 |
| Applebrook Golf Course | 1.47 | 48,989 | 55,328 |

During June, the average monthly influent wastewater flow measured at the “field” flow meter was 596,624 gallons/day as compared to the influent flow into the SBRs as 457,357 gallon/day. The difference between the daily averages is 139,267 gpd. The ‘flow measurements from the “field flow meter” reporting flow volumes of 1 million gallons per day and greater are erroneous. The “field” flow meter is over reporting flows as the flow measured into the SBRs should always be greater than the “field” flow meter due to internal recycle flows from the disc filter and centrifuge. The “field flow meter” is planned to be located in the doghouse manhole within the facility perimeter.

Maintenance and Repair Activities

June 8th

- Steve Walker dropped off a new GFCI outlet to replace the one for the influent sampler
- The plant had called out an alarm for high influent wet well. Upon arrival the wet well was up to 14.8ft and the influent pumps would not run in automatic mode. The influent pump station control panel was showing “transducer failure” alarm, however, the Siemens influent pump control panel in the SBR building did not have power. The influent control panel UPS appears to have failed. The power supply for the control panel

was rewired and plugged into the UPS for the SBR control room desktop computer. After re-uploading the program to the influent pumping station control panel, everything was functioning as intended. Information for a new Siemens panel UPS was provided to Mark so a new one as well as a spare can be purchased.

June 16th

- Replaced influent sampler GFCI and weather resistant enclosure
- Installed new UPS in Siemens panel
- Installed new stainless cable on hoist for SBR waste pump
- Disconnected the electric for both pumps in SBR 1
- Removed motive pump from SBR 1
- Set limit switches on SBR 1 effluent valve actuator

June 17th

- Removed waste sludge pump from SBR 1
- Derstine sand blasting was on site and started sand blasting and painting of the Flygt pump bases in SBR 1

June 26th

- The computer in SBR building froze up. The Wonderware software would load, there is no remote access to the plant. Burt got the Wonderware problem fixed on later during the day.

June 30th

- There were odor complaints over the past weekend. We had to decant sludge holding tank (SHT) number 1 over the weekend to keep the tank levels in check, which contributed to the odors. A second dumpster was arranged and dropped off Friday (July 2nd) morning. The centrifuge will operate over the weekend to fill the second dumpster for Monday pickup. This should assist to maintain the sludge holding tank levels. We will continue to operate in this manner as to avoid decanting and potential odors (decanting the SHTs requires turning off the aeration to the tanks, which with elevated temperatures may result in odors). The pH concentrations for the sludge holding tanks are 7.00 S.U. with a total alkalinity greater than 250 mg/L.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
June 14, 2021

The East Goshen Township Municipal Authority held their regular meeting on Monday, June 14, 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, and Walter Wujcik. Also in attendance were: Mark Miller (Director of Public Works), Mike Ellis (Pennoni), Robert Jefferson (Gawthrop), Michael Lynch (Township Supervisor), Derek Davis (Township Manager), Dave Ware (Chief Financial Officer) and Susan Smith (PW Administrative Assistant).

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 & Recreation Board</i> |
| <i>HC – Historical Commission</i> | <i>RCSTP – Ridley Creek Sewer Treatment Plant</i> |
| <i>I&I – Inflow & 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

The Municipal Authority held an Executive Session at 6:00 pm to discuss the Westtown Way Pump Station contract with West Goshen Sewer Authority. It finished at 7:18 pm. Dana called the regular meeting to order at 7:18 pm and led those present in the Pledge of Allegiance. Dana asked if anyone would be recording the meeting. There was no response.

Chairman's Report

None

Sewer Reports

1. Director of Public Works, Mark Miller's report for May 2021

Monthly Flows: The average daily flow to West Goshen was 757,985 per day.

Meters: The meters were read on a daily basis. We did encounter some minor operational glitches after the storms. The Hibberd Lane meter is operational and the average daily flow is 102,853. We received the IP number with Verizon today for remote wireless. It will need to be activated.

C.C. Collection – The pumping stations were visited on a daily basis where routine maintenance was performed. We had received a call from a resident stating they were concerned about a wet area near a manhole. We went down, poked around, and found that the water was from a spring. This prompted us to spend two days clearing the right of way from Fox Crossing up to Margo Lane. We will send letters to the residents that backup to the right of way that runs between Christine and Margo Lane explaining that we will be clearing that area.

We received a call for a lateral clog at 601 Hilloch Lane. We did not find any problem so we ran the camera down the lateral so we could locate the cleanout by the street. We replaced a dozen caps at several holes that had been hit by mowers.

R.C. Collection – The pump station was visited on a daily basis, and the meters were read. We had a pump failure alarm at the Hershey Mill Pump Station, which caused us to pull the pump. We sent it to Deckmens to be checked out. When Deckmens pulled the pump apart, they found a bottom seal had failed. While they had the pump torn down, I asked them to install new cutters on the pump. They checked the wear on the impeller, which was in good condition. Willistown informed us that they were going to repave Line Road so, before the paving was completed, we televised the line, which was clear. However, I will have to clean the line as greases are starting to build up. We also had to install three risers on Manhole R62-R6-R64. Willistown took care of sealing all the manholes. We sent letters out to the residents along Fox Glove Lane and told them we would be clearing the right of way. We cleared the right of way from the cul-de-sac and along the creek. It was noted that at each manhole there was sumps still in place. I advised Mike Ellis of our findings. I recommended to Mike that we should put a note in the bid specifications that the contractors utilize the sumps prior to starting the job to control the dewatering. Our guys attempted to divert the water away from the manholes while they were clearing the right of way. We also had Pipe Data View come out and clean the Hershey Mill trunk line from the tennis courts up to Tanglewood Drive, as a precautionary practice until the line is replaced.

Ridley Creek Plant – The grit chamber was cleaned out by plugging the main trunk line at 3:00 am. Once the flow stops, we use a 4" vacuum line to remove the grit that builds up from the Muffin Monster out to the manhole. The plant operator noticed that the Applebrook Pump had tripped out after several tries to reset the breakers. We determined that the pump needed to be pulled out and taken to Deckmens. On May 28th we found that the meter quit working at the plant. I contacted John Laidley who determined that the meter was struck by lightning which fried the meter. I have filed a claim with the insurance company, and I am currently waiting on the insurance adjuster. I am looking into installing a portable meter at the sampling manhole.

Alarms: We responded to 27 alarms in May.

PA One Calls: We responded to over 134 PA One Calls for the month of May.

Rainfall: 3.19 inches for the month of May

Lateral Caps: We repaired 17 laterals and inspected them.

2. Pennoni Engineer's Report for May dated June 11, 2021

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – An updated progress plan was submitted to the Township for review. A field review meeting with Public Works, the operator, and controls contractor is being scheduled.

- SBR#1 Repairs – We met with Dutchland's structural engineer on-site to discuss CIM and concrete repairs. Dutchland subsequently performed isolated repairs to the CIM coating, minor concrete crack and spall repairs at lifting holes on the deck, and minor concrete spalling repairs at the

1 top of the ribs (where the ribs meet the underside of the deck). We are also finalizing our inspection
2 report for submission in June to track the condition vs. prior tank inspections.

3 **Ridley Creek Collection System Permanent Meters**

- 4 • We updated the attached memo with recommendations for the RCSTP influent meter and
5 manhole to include costs for contractor installation. Costs in the prior version of the memo were
6 based on Township installation.

7 **Westtown Way Pump Station**

- 8 • No activity since our last report.

9 **Sanitary Sewer Pipe Rehab**

- 10 • Supplee Valley – No activity since our last report.

- 11 • Hershey’s Mill Estates –

12 1. Wetland delineation and bog turtle habitat investigation reports were submitted to US
13 Fish & Wildlife Service (USFWS) on May 19, 2021. We anticipate the USFWS
14 review will take 60-90 Days.

15 2. Upon receipt of USFWS concurrence, we will submit the Waterways permit
16 application. The extent of wetlands impacts will dictate if the permitting will be a
17 PADEP General Permit or a USACE Individual Permit, which is still being
18 determined. This permitting typically takes 90-120 days for review.

19 3. An approx. 70% progress plan submission was made to the Township on May 10. We
20 conducted a field review meeting with Mark thereafter which included a meeting with
21 a swim club representative about their pool lateral, for consideration of potentially
22 raising it to allow for greater slope on the interceptor pipes that will be replaced.
23 Public Works subsequently performed an excavation of the lateral and installed a
24 cleanout. We will need to commission an additional field survey to obtain elevations
25 for both the pool lateral cleanout and for storm sewer culverts near the tennis court
26 that may impact the new sewer routing.

27 4. Schedule – The aforementioned permitting is expected to take another 5-6 months. A
28 6 month duration would result in bidding in or around December, award in early 2022
29 and construction thereafter with timeframes to potentially be dictated by
30 environmental agencies.

31 **I&I Program**

- 32 • No activity since our last report.

33 **New Connections**

- 34 • No activity since our last report.

35
36
37

1 **Industrial Pretreatment Ordinance**

- 2 • No activity since our last report. As discussed at the May MA meeting, a headworks study with sampling
3 at the RCSTP needs to be conducted to set contaminant limits. It will be determined if the sampling can
4 be conducted as part of any upcoming NPDES Permit Renewal sampling to achieve economies of scale.
5
6

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

8 The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge
9 limitations for the month of April 2021. All supplemental reports were submitted with the DMR.
10 Discharge to the Applebrook irrigation lagoon was placed on line. Aluminium sulfate solution
11 continued to be reduced while continuing to achieve phosphorus removal. The average daily
12 reduction was from 70.0 to 61.7 gpd. No significant mechanical or operational issues were observed
13 during operation of sludge dewatering equipment or SBR treatment process. There were no reported
14 odor complaints during the month.
15

16 Comments – the members discussed Table 5.
17

18 **Approval of Minutes**

19 Jack moved to approve the May 10, 2021 minutes as amended. Walter seconded the motion. The
20 motion passed unanimously.
21

22 **Approval of Invoices**

23 Phil moved to approve payment of the 9 invoices as listed on the agenda from Pennoni,
24 Gawthrop Greenwood, Deckman Pump, and Yale. Walter seconded the motion. The motion passed
25 unanimously.
26

27 **Liaison Reports**

28 **1. Conservancy Board** – Walter mentioned that they visited Clymer Woods and found 2 trees that
29 will have to be replaced. They will install trees along the trail from Hibberd La. to the Ridley Creek
30 bridge. Mark Gordon is looking into the requirements for application to Tree City USA.

31 **2. Board of Supervisors** – Mike Lynch commented that they will discuss the easement needed along
32 the Hicks property for the Paoli Pike trail. The property owners have not been cooperative so they
33 will discuss options. This is section B and the township has paid for the engineering. We must have
34 the easement before we can apply for a grant for construction costs. Derek Davis is the new
35 Township Manager. Community Day is August 28. The Goshen Fair will be held Aug. 2-7.
36

37 **Financial Reports**

38 Dave Ware reviewed the following report:

39 In May, the Municipal Authority recorded \$58,417 in revenues (from transfers) and \$54,233 in
40 expenses for a positive variance of \$4,184. As of May 31, 2021, the fund balance was \$9,073. He
41 commented that the Township may receive \$1.9 million in federal funds which will help with the
42 sewer projects.
43

44 **Old Business**

45 None
46
47

1 **Goals**

2 Dana commented that the goals were updated. He reviewed them. Mark spoke about the 3 new
3 meters.
4

5 **New Business**

6 **1. Ridley Creek STP NPDES Permit Renewal Application** – Mike commented that the 5 year
7 NPDES permit expires next year. The renewal application must be submitted 1 year in advance,
8 which is about November 1st. Sampling/testing was discussed. The cost estimate is \$7,000. Phil
9 moved to accept the proposal from Pennoni for the NPDES permit renewal not to exceed \$7,000.
10 Walter seconded the motion. The motion passed unanimously.

11 **2. New Meter at Ridley Creek Plant** – Mike Ellis explained the change in costs. Cost of materials at
12 this point in the pandemic is uncertain. Public Works will do the installation. Phil made a motion to
13 approve the purchase of a flow meter for the plant at a cost of \$31,500. Jack seconded the motion.
14 The motion passed unanimously.
15

16 **Any Other Matter** - None
17

18 **Capacity Request** - None
19

20 **Correspondence**- Dana acknowledged a letter regarding a flag lot request and information from
21 PMAA regarding delegates to their conference.
22

23 **Public Comment** - None
24

25 **Adjournment**

26 There being no further business Phil moved to adjourn the meeting. Walter seconded the motion.
27 The motion passed unanimously. The meeting was adjourned at 8:15 pm.
28 The next regular meeting will be held on Monday, July 12, 2021 at 7:00 pm.
29

30 Respectfully submitted,
31

32
33 Ruth Kiefer, Recording Secretary



INVOICE

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

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1076829
Invoice Date : 07/01/2021
Project : EGMAU21005
Project Name : RCSTP NPDES
Permit Renewal

For Services Rendered Through 06/20/2021

Initiated preparation of permit application.

| Billing Limits | Current | Prior | To-Date |
|----------------|---------|--------|----------|
| Total Billings | 144.00 | 144.00 | 288.00 |
| Limit | | | 7,000.00 |
| Remaining | | | 6,712.00 |

Labor

| | Hours | Rate | Amount |
|----------------------|-------|--------|---------------|
| Authority Engineer | .25 | 132.00 | 33.00 |
| Project Professional | 1.00 | 111.00 | 111.00 |
| Totals | 1.25 | | 144.00 |
| Total Labor | | | 144.00 |

Total this Invoice \$144.00

Outstanding Invoices

| Number | Date | Balance |
|--------------|----------|---------------|
| 1076827 | 7/1/2021 | 144.00 |
| Total | | 144.00 |

ok
MM 7/2/2021

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

RCSTP NPDES Permit Renewal
EGMAU21005 Invoice Summary
Invoice Date 7/01/2021

Project: EGMAU21005
Pennoni Job No.: RCTP NPDES Permit Renewal
Invoice No: 1076829
Invoice Period: NTP to 6/20/2021
Initial Authorization: \$ 7,000.00 **Date:** 7/1/2021
Contract Amount: \$ 7,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 144.00
Invoiced to Date (\$): \$ 144.00
Invoiced to Date (%): 2%
Remaining Budget (\$): \$ 6,856.00
Remaining Budget (%): 98%

Budget by Phase:

Phase Name: RCTP NPDES Permit Renewal
Phase Budget: \$ 7,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 144.00
Invoiced to Date (\$): \$ 144.00
Invoiced to Date (%): 2%
Remaining Budget (\$): \$ 6,856.00
Remaining Budget (%): 98%

Comments: Initiated preparation of permit application.



INVOICE

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

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1076826
Invoice Date : 07/01/2021
Project : EGMAU21004
Project Name : HM Estates Sewer
Design & Permitting

For Services Rendered Through 06/20/2021

Continued design, specs, GP permit application, and plan preparation. Submitted approx 70% complete progress plan submission to Township, and reviewed updated pipe alignments and access considerations with M. Miller. Prepared project overview plan for M. Miller's meeting with HOA.

| Phase Code / Name | Contract Amount | Previously Billed | % Complete | Complete To Date | Amount This Invoice |
|---|-----------------|-------------------|------------|------------------|---------------------|
| 01 -- Wetland & Watercourse Investigation | \$6,750.00 | \$6,750.00 | 100.00% | \$6,750.00 | \$0.00 |
| 02 -- Phase I Bog Turtle Habitat Assessment | \$6,750.00 | \$6,750.00 | 100.00% | \$6,750.00 | \$0.00 |
| 03 -- Survey | \$17,200.00 | \$17,200.00 | 100.00% | \$17,200.00 | \$0.00 |
| 04 -- Design | \$26,100.00 | \$13,906.96 | 64.34% | \$16,791.76 | \$2,884.80 |
| 05 -- Permitting | \$8,000.00 | \$585.86 | 19.00% | \$1,520.39 | \$934.53 |
| Total : | \$64,800.00 | \$45,192.82 | | \$49,012.15 | \$3,819.33 |

Amount Due This Invoice \$3,819.33

ok
MM 7/2/2021

West Goshen HM Estates Sewer Design Permitting
EGMAU21004 Invoice Summary
Invoice Date 7/01/2021

Project: EGMAU21004
Pennoni Job No.: HM Estates Sewer Design & Permitting
Invoice No: 1076826
Invoice Period: 5/17/2021 to 6/20/2021
Initial Authorization: \$ 64,800.00 **Date:** 7/1/2021
Contract Amount: \$ 64,800.00
Previously Invoiced: \$ 45,192.82
Current Invoice: \$ 3,819.33
Invoiced to Date (\$): \$ 49,012.15
Invoiced to Date (%): 76%
Remaining Budget (\$): \$ 15,787.85
Remaining Budget (%): 24%

Budget by Phase:

Phase Name: HM Estates Sewer Design & Permitting
Phase Budget: \$ 64,800.00
Previously Invoiced: \$ 45,192.82
Current Invoice: \$ 3,819.33
Invoiced to Date (\$): \$ 49,012.15
Invoiced to Date (%): 76%
Remaining Budget (\$): \$ 15,787.85
Remaining Budget (%): 24%

Comments: Continued design, specs, GP permit application, and plan preparation. Submitted approx 70% complete progress plan submission to Township, and reviewed updated pipe alignments and access considerations with M. Miller. Prepared project overview plan for M. Miller's meeting with HOA.



INVOICE

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

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1076825
Invoice Date : 07/01/2021
Project : EGMAU21001
Project Name : 2021 General
Services

For Services Rendered Through 06/20/2021

June Engineer's Report, reviewed June RCSTP operator's report, and attended June MA meeting. Attended field meeting at RCSTP with Dutchland in preparation for SBR #1 coating and concrete repairs, coordinated repair scope with Dutchland and the Township, and performed field observation of repair work. Continued preparation of SBR #1 structural engineering visual inspection report. Coordinated with Township for file research for prior Township-wide Act 537 Plan and DEP approvals. Obtained updated permanent metering manhole and meter vendor quotes for RCSTP influent meter and updated prior recommendation memo accordingly. Initiated analysis of current and past cost estimates for Westtown Way Pump Station Rehab.

| Billing Limits | Current | Prior | To-Date |
|----------------|----------|----------|-----------|
| Total Billings | 3,902.75 | 8,817.75 | 12,720.50 |
| Limit | | | 30,000.00 |
| Remaining | | | 17,279.50 |

Labor

| | Hours | Rate | Amount |
|----------------------------|-------|--------|----------|
| Authority Engineer | 5.75 | 132.00 | 759.00 |
| Senior Professional | 12.25 | 125.00 | 1,531.25 |
| Associate Professional | 11.50 | 97.00 | 1,115.50 |
| Sr. Engineering Technician | 3.50 | 94.00 | 329.00 |
| Engineering Technician | 2.00 | 84.00 | 168.00 |
| Totals | 35.00 | | 3,902.75 |
| Total Labor | | | 3,902.75 |

Total this Invoice \$3,902.75

ok
MM 7/2/2021

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 7/01/2021

Project: EGMAU21001
Pennoni Job No.: 2021 General Services
Invoice No: 1076825
Invoice Period: 5/17/2021 to 6/20/2021
Initial Authorization: \$ 30,000.00 **Date:** 7/1/2021
Contract Amount: \$ 30,000.00
Previously Invoiced: \$ 8,817.75
Current Invoice: \$ 3,902.75
Invoiced to Date (\$): \$ 12,720.50
Invoiced to Date (%):
Remaining Budget (\$): \$ 17,279.50
Remaining Budget (%): 58%

Budget by Phase:

Phase Name: 2021 General Services
Phase Budget: \$ 30,000.00
Previously Invoiced: \$ 8,817.75
Current Invoice: \$ 3,902.75
Invoiced to Date (\$): \$ 12,720.50
Invoiced to Date (%):
Remaining Budget (\$):
Remaining Budget (%):

Comments: June Engineer's Report, reviewed June RCSTP operator's report, and attended June MA meeting. Attended field meeting at RCSTP with Dutchland in preparation for SBR #1 coating and concrete repairs, coordinated repair scope with Dutchland and the Township, and performed field observation of repair work. Continued preparation of SBR #1 structural engineering visual inspection report. Coordinated with Township for file research for prior Township-wide Act 537 Plan and DEP approvals. Obtained updated permanent metering manhole and meter vendor quotes for RCSTP influent meter and updated prior recommendation memo accordingly. Initiated analysis of current and past cost estimates for Westtown Way Pump Station Rehab.



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100
West Chester, PA 19381-0562
gglaw@gawthrop.com | (p) 610-696-8700
www.gawthrop.com | (f) 610-344-0900

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
07/07/2021
Client No: 6604-001M
Invoice No. 244409

General Authority Services

Fees

| | | Hours |
|------------|--|-------|
| 06/03/2021 | | |
| PMM | Emails (3) from/to M. Miller and D. Pizzaro regarding executive session meeting; Email to K. Camp. | 0.80 |
| 06/04/2021 | | |
| PMM | Messages (2) from/to K. Camp regarding Westtown Way pump station. | 0.40 |
| 06/07/2021 | | |
| PMM | Email from K. Camp regarding joint executive session of Board of Supervisors and Municipal Authority. | 0.20 |
| 06/11/2021 | | |
| PMM | Emails (2) from/to S. Smith with executive session meeting materials. | 0.40 |
| 06/14/2021 | | |
| RCJ | Review materials prepared by client; attend executive session; and attend regular meeting of the EGMA. | 2.30 |
| PMM | Attend executive session meeting with Authority and Supervisors regarding West Goshen costs. | 1.00 |
| 06/15/2021 | | |
| RCJ | Email (1) received from D.Davis regarding Sunshine Act and advertising for meeting; and research regarding Sunshine Act. | 0.40 |
| PMM | Emails (2) from/to D. Davis regarding meeting for Westtown Way Pump Station. | 0.40 |

East Goshen Municipal Authority

General Authority Services

Page: 2
07/07/2021
Client No: 6604-001M
Invoice No. 244409

Hours

06/28/2021

PMM Email to D. Pizzaro and Staff regarding amendment to Municipal
Authorities Act for HB 957.
For Current Services Rendered

0.20

6.10

1,220.00

Recapitulation

Timekeeper

Patrick M. McKenna

Robert C. Jefferson

Hours

3.40

2.70

Hourly Rate

\$200.00

200.00

Total

\$680.00

540.00

Expenses

Westlaw research charges

24.31

Total Expenses Thru 06/30/2021

24.31

Previous Balance

\$2,512.41

Total Current Charges

1,244.31

06/21/2021

Payment

-612.41

06/21/2021

Payment

-1,900.00

Total Payments

-2,512.41

Balance Due

\$1,244.31

ak
Mdr
7/9/2021

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

65773

Highway Materials Inc. Phone: 610.832.8000 Fax: 610.832.0700

INVOICE

Invoice #: 216922
Date: 05/18/21
Customer No: 10634
Job #: 16832
PO #:

Sold To: EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER, PA 19380

Remit To:
 Highway Materials Inc.
 PO Box 62879
 Baltimore MD 21264-2879 US

Job: 16832 COSTARS 2021 3750 (101 106)

DOWNINGTOWN ASPHALT

| Sale Date | Ticket | Units | UM | Unit Price | Matl Total | Haul Rate | Haul Total | Tax | Total |
|---|--------|--------------------------|------------|-----------------------------|-----------------|-----------|-------------|-------------|-----------------|
| PO #: | | | | | | | | | |
| MATERIAL: 19mm, 0.3<3, B, PG64S-22, WM | | | | | | | | | |
| 05/18/21 | 402791 | 16.93 | TON | 47.30E | 800.79 | 0.00 | 0.00 | 0.00 | 800.79 |
| 05/18/21 | 402792 | 16.93 | TON | 47.30E | 800.79 | 0.00 | 0.00 | 0.00 | 800.79 |
| 05/18/21 | 402800 | 17.01 | TON | 47.30E | 804.57 | 0.00 | 0.00 | 0.00 | 804.57 |
| Total : 19mm, 0.3<3, B, PG64S-22, WM | | 50.87 | TON | | 2,406.15 | | 0.00 | 0.00 | 2,406.15 |
| MATERIAL: 9.5mm, 0.3<3, H, PG64S-22, WM | | | | | | | | | |
| 05/18/21 | 402753 | 7.53 | TON | 52.30E | 393.82 | 0.00 | 0.00 | 0.00 | 393.82 |
| Total : 9.5mm, 0.3<3, H, PG64S-22, WM | | 7.53 | TON | | 393.82 | | 0.00 | 0.00 | 393.82 |
| Total Tons: 58.40 | | Total Other: 0.00 | | Total Matl: 2,799.97 | | | 0.00 | 0.00 | 2,799.97 |

PAID

APPROVED BY: WJL
 DATE PAID: _____
 CHECK #: _____
 CHARGED TO: 07429.1505

Hibberd Lane Meter
 1438.2450
 - Millstream DR
 + Linda Vista DR
 (Risley creek capital)

Payment Type: On Account

30 Pay Terms Net 30 days

Total: 2,799.97

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

65749



DECKMAN
MOTOR & PUMP INC

BILL TO

East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

SHIP TO

Office - 610-692-7171

INVOICE 3438

DATE 05/13/2021 TERMS Net 30

SHIP VIA

Cust Pick Up

TECH

JSP

WORK ORDER #

22881

| ITEM | DESCRIPTION | QTY | EACH | AMOUNT |
|------|--|-----|--------|--------|
| RBM | Rebuilt - Hydromatic Pump, M: S4NX750EC S/N: S82247, 8.00" Impeller, 7.5 HP, 1750 RPM, 3 Phase, 230 Volt - Inspect, clean, sandblast, install new lower seal, o-rings, discharge gasket an paint | 1 | 656.00 | 656.00 |

TOTAL DUE

\$656.00

APPROVED BY: ul

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07429

1504
Hunt Country 2/5

Picked Up/Received By: _____

PAID
6/21

We Appreciate Your Business

We Accept Visa, MasterCard, Discover & American Express

Memo

To: Municipal Authority
From: Dave Ware
Re: MA June 2021 Financial Report
Date: July 9, 2021

In June, 2021, the Municipal Authority recorded \$27,215 in revenues (from transfers) and \$25,190 expenses, for a positive variance of \$2,026. As of June 30, 2021, the fund balance was \$11,099.

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

I will "see" you all at the meeting on July 12, 2021 at 7PM.

EAST GOSHEN TOWNSHIP
Other Funds
June 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 |
|-------------------------------------|------------|------------------|-----------------|-------------------|--------------------|-----------------|------------------|--------------------|
| REVENUE | | | | | | | | |
| INTEREST EARNINGS | 07341 1000 | | | 1.85 | 1.85 | | 0.10 | 0.10 |
| CAPITAL RESERVE-INTEREST | 07341 1010 | | | | | | | |
| INTEREST EARNED - CONSTRUCTION | 07341 1020 | | | | | | | |
| DCED GRANT | 07354 0400 | 152,980 | | | | | | |
| C.C. TAPPING FEES | 07364 1100 | | | 2,060.00 | 2,060.00 | | | |
| R.C.TAPPING FEES | 07364 1110 | | | 2,060.00 | 2,060.00 | | 2,060.00 | 2,060.00 |
| M.C. LOAN PAYMENTS | 07364 1120 | | | | | | | |
| CONNECTION FEES - SEWER | 07364 1130 | | | 1,127.52 | 1,127.52 | | | |
| MISCELLANEOUS REVENUE | 07380 1000 | 565 | 424 | 564.48 | 140.48 | | | |
| TRANSFER FROM GENERAL ACCT | 07392 0100 | | | | | | | |
| TRANSFER FROM SEWER OPERATING | 07392 0500 | 279,915 | 262,108 | 55,920.85 | (206,186.94) | 72,770 | 14,119.62 | (58,650.44) |
| 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 | 50,103 | 155,566.00 | 105,463.31 | 935 | 11,035.69 | 10,100.45 |
| TOTAL REVENUE | | 555,460 | 312,634 | 217,300.70 | (95,333.78) | 73,705 | 27,215.41 | (46,489.89) |
| EXPENSES | | | | | | | | |
| ADMINISTRATIVE WAGES | 07424 1400 | 30,000 | 15,000 | 14,943.04 | 56.96 | 7,500 | 7,569.21 | (69.21) |
| R.C. LOAN ISSUANCE COSTS | 07424 1500 | | | | | | | |
| MISCELLANEOUS EXPENSE | 07424 3000 | | | 1,518.25 | (1,518.25) | | | |
| MUNIC.AUTH.-AUDITING | 07424 3110 | 9,440 | 9,440 | 10,000.00 | (560.00) | | | |
| ENGINEERING SERVICES | 07424 3130 | 60,900 | 33,249 | 24,550.31 | 8,699.09 | 1,207 | 4,038.00 | (2,830.57) |
| LEGAL SERVICES | 07424 3140 | 8,120 | 2,831 | 5,789.51 | (2,958.95) | | 2,512.41 | (2,512.41) |
| 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

June 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 | | | 5,117.00 | (5,117.00) | | | |
| ASHBRIDGE PUMP STATION CAPITAL | 07429 1502 | | | 30,324.00 | (30,324.00) | | | |
| HERSHEYS HILL PUMP STATION CAPITAL | 07429 1503 | | | 20,847.77 | (20,847.77) | | | |
| HUNT CO PUMP STATION CAPITAL | 07429 1504 | 87,000 | 87,000 | 8,277.00 | 78,723.00 | 77,349 | 1,446.00 | 75,902.71 |
| RCSTP CAPITAL | 07429 1505 | 230,000 | | 91,000.23 | (91,000.23) | | 9,589.69 | (9,589.69) |
| 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 | | | 207.00 | (207.00) | | 34.50 | (34.50) |
| 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 | | | | | | | |
| TOTAL EXPENSES | | 425,460 | 147,520 | 212,574.11 | (65,054.15) | 86,056 | 25,189.81 | 60,866.33 |
| NET RESULT FROM OPERATIONS | | 130,000 | 165,115 | 4,726.59 | (160,387.93) | (12,351) | 2,025.60 | 14,376.44 |

Municipal Authority
June 2021 YTD Financials

| Account # | Description | Per | Src | Trx# | Debits | Credits | Balance | Date | Check# | ID # | Name | Description | Description 2 | Description 3 |
|------------|---------------------------------|------|-----|-------|---------|----------|---------|-----------|------------------|------|---|-----------------------------|---------------|---------------|
| 07341-1000 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07341-1000 | INTEREST EARNINGS | 2101 | JE | 76976 | 34.5 | 0 | 0 | 1/5/2021 | BANK FEES | | REIMBURSE S/R FOR DEC. 2020 | BANK FEES | | |
| 07341-1000 | INTEREST EARNINGS | 2102 | JE | 77346 | 0 | 34.5 | 0 | 2/8/2021 | REVERSE | | REVERSE & CORRECT TRX. 76976 | BANK FEE CHARGES | | |
| 07341-1000 | INTEREST EARNINGS | 2102 | JE | 77356 | 0 | 0.49 | 0 | 2/8/2021 | INTEREST | | INTEREST EARNED JANUARY 2021 | | 7100.1035 | |
| 07341-1000 | INTEREST EARNINGS | 2102 | JE | 77638 | 0 | 0.44 | 0 | 2/28/2021 | INTEREST | | INTEREST EARNED FEBRUARY 2021 | | 7100.1035 | |
| 07341-1000 | INTEREST EARNINGS | 2103 | JE | 78076 | 0 | 0.47 | 0 | 3/31/2021 | INTEREST | | INTEREST EARNED MARCH 2021 | | 7100.108 | |
| 07341-1000 | INTEREST EARNINGS | 2104 | JE | 78492 | 0 | 0.16 | 0 | 5/3/2021 | INTEREST | | INTEREST EARNED APRIL 2021 | | 7100.1035 | |
| 07341-1000 | INTEREST EARNINGS | 2105 | JE | 78908 | 0 | 0.19 | 0 | 5/31/2021 | INTEREST | | INTEREST EARNED MAY 2021 | | 7100.1035 | |
| 07341-1000 | INTEREST EARNINGS | 2106 | JE | 79382 | 0 | 0.1 | 0 | 6/30/2021 | INTEREST | | INTEREST EARNED JUNE 2021 | | 7100.1035 | |
| 07364-1100 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07364-1100 | C.C. TAPPING FEES | 2105 | RE | 78657 | 0 | 2000 | 0 | 5/12/2021 | 78657 1 | | TAP IN FEE 1331 E STRASBURG RD | C.C. TAPPING FEES | | |
| 07364-1100 | C.C. TAPPING FEES | 2105 | RE | 78659 | 0 | 60 | 0 | 5/12/2021 | 78659 1 | | SEWER INSP.1331 E STRASBURG RD | C.C. TAPPING FEES | | |
| 07364-1110 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07364-1110 | R.C.TAPPING FEES | 2106 | RE | 79365 | 0 | 2000 | 0 | 6/30/2021 | 79365 1 | | TAP IN FEE FOR 1471 BOOT ROAD | R.C.TAPPING FEES | | |
| 07364-1110 | R.C.TAPPING FEES | 2106 | RE | 79366 | 0 | 60 | 0 | 6/30/2021 | 79366 1 | | SEWER INSPECT FOR 1471 BOOT RD | R.C.TAPPING FEES | | |
| 07364-1130 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2101 | CR | 77256 | 0 | 423 | 0 | 1/28/2021 | 2694 012022 1 | | STOFFLET, MICHAEL | | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2101 | JE | 77257 | 141.12 | 0 | 0 | 1/28/2021 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT | INTEREST PORTION - STOFFLET | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2102 | CR | 77466 | 0 | 423 | 0 | 2/17/2021 | 745 012023 1 | | JACOBS, ROBERT & CHERYL | | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2102 | JE | 77467 | 141.12 | 0 | 0 | 2/17/2021 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT | INTEREST PORTION - JACOBS | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2103 | CR | 77801 | 0 | 423 | 0 | 3/11/2021 | 4276 012021 1 | | GEORGE SMITH & CHRISTINA CONLEY | | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2103 | CR | 78004 | 0 | 423 | 0 | 3/26/2021 | 8842992 012024 1 | | PAPPANO, JOSEPH & PATRICIA | | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2103 | JE | 77802 | 141.12 | 0 | 0 | 3/11/2021 | PINEROCK | | INTEREST PORTION - CONLEY | SMITH | | |
| 07364-1130 | CONNECTION FEES - SEWER | 2103 | JE | 78005 | 141.12 | 0 | 0 | 3/26/2021 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT | INTEREST PORTION - PAPPANO | | |
| 07380-1000 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07380-1000 | MISCELLANEOUS REVENUE | 2101 | JE | 77257 | 0 | 141.12 | 0 | 1/28/2021 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT | INTEREST PORTION - STOFFLET | | |
| 07380-1000 | MISCELLANEOUS REVENUE | 2102 | JE | 77467 | 0 | 141.12 | 0 | 2/17/2021 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT | INTEREST PORTION - JACOBS | | |
| 07380-1000 | MISCELLANEOUS REVENUE | 2103 | JE | 77802 | 0 | 141.12 | 0 | 3/11/2021 | PINEROCK | | INTEREST PORTION - CONLEY | SMITH | | |
| 07380-1000 | MISCELLANEOUS REVENUE | 2103 | JE | 78005 | 0 | 141.12 | 0 | 3/26/2021 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT | INTEREST PORTION - PAPPANO | | |
| 07392-0500 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2101 | JE | 77062 | 0 | 66 | 0 | 1/12/2021 | XFER | | XFER \$ FROM SEWER TO MA RE: | JANUARY EXPENSES | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2101 | JE | 77072 | 0.01 | 0 | 0 | 1/13/2021 | ADJUST | | ADJUST TRX. 76744 | | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2102 | JE | 77393 | 0 | 3031.25 | 0 | 2/9/2021 | XFER | | XFER FUNDS TO MA FROM SEWER & | SEWER CAP. RE:FEB 2021 EXP. | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2103 | JE | 77621 | 0 | 2525 | 0 | 3/1/2021 | XFER | | XFER \$ TO MA FROM SEWER RE: MA | EXPENSES | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2103 | JE | 77775 | 0 | 3813 | 0 | 3/10/2021 | XFER | | XFER \$ TO MA FROM SEWER FUND | | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2103 | JE | 77959 | 0 | 5955 | 0 | 3/24/2021 | XFER | | XFER \$ FROM 05 TO 07 MA | | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2103 | JE | 78050 | 0 | 7373.83 | 0 | 3/31/2021 | XFER | | XFER \$ TO MA FROM 05 | | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2104 | JE | 78253 | 0 | 13737.91 | 0 | 4/15/2021 | XFER | | XFER \$ FR: SEWER OPER. TO MA | | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2105 | JE | 78480 | 0 | 2158 | 0 | 5/3/2021 | XFER | | XFER \$ FROM SEWER TO MA TO | COVER EXPENSE | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2105 | JE | 78625 | 0 | 3141.25 | 0 | 5/12/2021 | XFER | | XFER \$ FROM SEWER & SEWER CAP. | RESERVE TO MA | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2106 | JE | 79162 | 0 | 6550.41 | 0 | 6/16/2021 | XFER | | XFER \$ SEWER & SEWER CAPITAL | TO MUN.AUTH. | | |
| 07392-0500 | TRANSFER FROM SEWER OPERATING | 2106 | JE | 79359 | 0 | 7569.21 | 0 | 6/30/2021 | XFER | | XFER \$ FROM 05 TO 07 | | | |
| 07392-0900 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2102 | JE | 77393 | 0 | 12162.92 | 0 | 2/9/2021 | XFER | | XFER FUNDS TO MA FROM SEWER & | SEWER CAP. RE:FEB 2021 EXP. | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2102 | JE | 77434 | 0 | 15035.91 | 0 | 2/12/2021 | XFER | | XFER \$ FROM 09 TO 07 | | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2103 | JE | 77623 | 0 | 15721.12 | 0 | 3/1/2021 | XFER | | XFER \$ FROM SEWER CAPITAL TO | MA RE: EXPENSES | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2103 | JE | 77777 | 0 | 10188.22 | 0 | 3/10/2021 | XFER | | XFER \$ TO MA FROM SEWER CAP. | RESERVE | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2103 | JE | 77779 | 0 | 5785.09 | 0 | 3/10/2021 | XFER | | XFER \$ TO MA FROM SEWER CAP. | RESERVE | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2103 | JE | 77827 | 382.02 | 0 | 0 | 3/12/2021 | XFER | | RETURN \$ TO 09 FROM 07 RE: | XFER ERROR 2/9/21 | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2103 | JE | 77957 | 0 | 922.95 | 0 | 3/24/2021 | XFER | | XFER \$ FROM 09 TO 07 MA | | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2104 | JE | 78255 | 0 | 33111.72 | 0 | 4/15/2021 | XFER | | XFER \$ FR: SEWER CAPITAL TO MA | | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2104 | JE | 78369 | 0 | 926.66 | 0 | 4/26/2021 | XFER | | XFER \$ FROM SEWER CAPITAL 09 - | MUNICIPAL AUTH. 07 | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2105 | JE | 78625 | 0 | 16313.2 | 0 | 5/12/2021 | XFER | | XFER \$ FROM SEWER & SEWER CAP. | RESERVE TO MA | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2105 | JE | 78746 | 0 | 31885.04 | 0 | 5/19/2021 | XFER | | XFER \$ FROM SEWER CAP.RESERVE | TO MUN.AUTHORITY | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2105 | JE | 78802 | 0 | 2859.5 | 0 | 5/25/2021 | XFER | | XFER \$ TO MA FROM SEWER | CAPITAL | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2106 | JE | 79162 | 0 | 9985.87 | 0 | 6/16/2021 | XFER | | XFER \$ SEWER & SEWER CAPITAL | TO MUN.AUTH. | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 2106 | JE | 79231 | 0 | 1049.82 | 0 | 6/22/2021 | XFER | | XFER \$ FROM 09 SEWER CAPITAL | TO 07 MUN.AUTH. | | |
| 07424-1400 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07424-1400 | ADMINISTRATIVE WAGES | 2103 | CD | 78032 | 7373.83 | 0 | 0 | 3/30/2021 | 3264 | | 425 EAST GOSHEN TOWNSHIP - GENERAL | QTR.1-2021 REIMBURSEMENT | | |
| 07424-1400 | ADMINISTRATIVE WAGES | 2106 | CD | 79318 | 7569.21 | 0 | 0 | 6/28/2021 | 3281 | | 425 EAST GOSHEN TOWNSHIP - GENERAL | Q2 - 2021 MA REIMBURSEMENT | | |
| 07424-3000 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |
| 07424-3000 | MISCELLANEOUS EXPENSE | 2103 | CD | 77949 | 638 | 0 | 0 | 3/24/2021 | 3261 | | 3871 DELAWARE RIVER BASIN COMMISSION | 2021 ANNUAL FEE | | |
| 07424-3000 | MISCELLANEOUS EXPENSE | 2104 | CD | 78161 | 880.25 | 0 | 0 | 4/8/2021 | 3265 | | 2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC | 2021 ACTIVE MEMBERSHIP DUES | | |
| 07424-3110 | BEGINNING BALANCE | | | | | | 0 | | | | | | | |

Municipal Authority
June 2021 YTD Financials

| | | | | | | | | | | | | | |
|------------|------------------------------------|------|----|-------|----------|---|---|-----------|---------|------|------------------------------------|-------------------------------------|---------------------------|
| 07424-3110 | MUNIC.AUTH.-AUDITING | 2102 | CD | 77571 | 2525 | 0 | 0 | 2/26/2021 | 3253 | 808 | MAILLIE FALCONIERO & CO. | PROGRESS BILLING AUDIT EGT MUN.AUTH | |
| 07424-3110 | MUNIC.AUTH.-AUDITING | 2103 | CD | 77949 | 5317 | 0 | 0 | 3/24/2021 | 3263 | 808 | MAILLIE FALCONIERO & CO. | FINANCIAL STMTS. & AUDIT 2020 | |
| 07424-3110 | MUNIC.AUTH.-AUDITING | 2104 | CD | 78451 | 2158 | 0 | 0 | 4/29/2021 | 3271 | 808 | MAILLIE FALCONIERO & CO. | BAL. DUE RE: MUNICIPAL AUTH. 2020 | AUDIT |
| 07424-3130 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07424-3130 | ENGINEERING SERVICES | 2101 | CD | 77095 | 66 | 0 | 0 | 1/12/2021 | 3243 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 12/6/20 GEN.SERVICES | |
| 07424-3130 | ENGINEERING SERVICES | 2102 | CD | 77394 | 3031.25 | 0 | 0 | 2/9/2021 | 3245 | 1052 | PENNONI ASSOCIATES INC. | SERVICE THRU 12/31/20 2020 GEN.SERV | |
| 07424-3130 | ENGINEERING SERVICES | 2103 | CD | 77786 | 2973 | 0 | 0 | 3/10/2021 | 3259 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 2/14/21 2020 CHAP.94 | |
| 07424-3130 | ENGINEERING SERVICES | 2104 | CD | 78252 | 11300.81 | 0 | 0 | 4/15/2021 | 3268 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 3/21/21 RCSTP CAUSTIC | SODA CONVERSION |
| 07424-3130 | ENGINEERING SERVICES | 2105 | CD | 78624 | 3141.25 | 0 | 0 | 5/12/2021 | 3272 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 4/18/21 2020 CHAP.94 | |
| 07424-3130 | ENGINEERING SERVICES | 2106 | CD | 79161 | 4098 | 0 | 0 | 6/16/2021 | 3278 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 5/16/21 2021 GEN.SERV | |
| 07424-3140 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07424-3140 | LEGAL SERVICES | 2103 | CD | 77786 | 840 | 0 | 0 | 3/10/2021 | 3258 | 528 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERV. - DECEMBER 2020 | |
| 07424-3140 | LEGAL SERVICES | 2104 | CD | 78252 | 2437.1 | 0 | 0 | 4/15/2021 | 3267 | 528 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE - 2/5-2/9/21 GEN.AUTH | |
| 07424-3140 | LEGAL SERVICES | 2106 | CD | 79161 | 2512.41 | 0 | 0 | 6/16/2021 | 3277 | 528 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE 4/9-4/13/21 GEN.AUTH. | |
| 07429-1501 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07429-1501 | BARKWAY PUMP STATION CAPITAL | 2104 | CD | 78252 | 5117 | 0 | 0 | 4/15/2021 | 3266 | 356 | DECKMAN MOTOR & PUMP INC. | REBUILT HYDROMATIC PUMPS | |
| 07429-1502 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07429-1502 | ASHBRIDGE PUMP STATION CAPITAL | 2105 | CD | 78743 | 30324 | 0 | 0 | 5/19/2021 | 3273 | 356 | DECKMAN MOTOR & PUMP INC. | REBUILT FAIRBANKS MORSE PUMP - | ASHBRIDGE - S/N 1495773-0 |
| 07429-1503 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07429-1503 | HERSHEYS MILL PUMP STATION CAPITAL | 2103 | CD | 77786 | 5815.53 | 0 | 0 | 3/10/2021 | 3259 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 2/14/21 HM ESTATES | SEWER DESIGN & PERMITTING |
| 07429-1503 | HERSHEYS MILL PUMP STATION CAPITAL | 2104 | CD | 78252 | 2786 | 0 | 0 | 4/15/2021 | 3266 | 356 | DECKMAN MOTOR & PUMP INC. | REBUILT HYDROMATIC PUMPS | |
| 07429-1503 | HERSHEYS MILL PUMP STATION CAPITAL | 2104 | CD | 78359 | -91.96 | 0 | 0 | 4/26/2021 | 3269 | 293 | COLONIAL ELECTRIC SUPPLY | CRED. RE: PARALLEL REEL AXLE | |
| 07429-1503 | HERSHEYS MILL PUMP STATION CAPITAL | 2105 | CD | 78624 | 12338.2 | 0 | 0 | 5/12/2021 | 3272 | 1052 | PENNONI ASSOCIATES INC. | SERV.THUR 4/18/21 HM ESTATES SEWER | |
| 07429-1504 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07429-1504 | HUNT CO PUMP STATION CAPITAL | 2104 | CD | 78252 | 6831 | 0 | 0 | 4/15/2021 | 3266 | 356 | DECKMAN MOTOR & PUMP INC. | REBUILT HYDROMATIC PUMPS | |
| 07429-1504 | HUNT CO PUMP STATION CAPITAL | 2106 | CD | 79161 | 790 | 0 | 0 | 6/16/2021 | 3276 | 356 | DECKMAN MOTOR & PUMP INC. | REBUILT HYDROMATIC PUMP | |
| 07429-1504 | HUNT CO PUMP STATION CAPITAL | 2106 | CD | 79183 | 656 | 0 | 0 | 6/21/2021 | 3279 | 356 | DECKMAN MOTOR & PUMP INC. | REBUILT-HYDROMATIC PUMP | |
| 07429-1505 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77394 | 462 | 0 | 0 | 2/9/2021 | 3244 | 813 | MAIN LINE CONCRETE | 2 YDS CONCRETE 4000 PSI | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77394 | 5552.5 | 0 | 0 | 2/9/2021 | 3245 | 1052 | PENNONI ASSOCIATES INC. | SERVICE THRU 1/17/21 HERSH.MILL | ESTATES SEWER REPLACEMENT |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77394 | 5766.4 | 0 | 0 | 2/9/2021 | 3246 | 550 | XYLEM DEWATERING SOLUTIONS INC. | 8X50' HEAVY DUTY LAYFLAT HOSE | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77433 | 1647 | 0 | 0 | 2/12/2021 | 3247 | 293 | COLONIAL ELECTRIC SUPPLY | HAMMOND ELECTRIC BOX | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77433 | 7004.16 | 0 | 0 | 2/12/2021 | 3248 | 598 | HANSON AGGREGATES PENNSYLVANIA LLC | 203.31 TONS 1/4 STONE | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77433 | 472.5 | 0 | 0 | 2/12/2021 | 3249 | 1849 | HICKS BROTHERS LLC | 63 SMALL BALES OF STRAW | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77433 | 127.05 | 0 | 0 | 2/12/2021 | 3250 | 739 | KNOX EQUIPMENT RENTALS INC. | MULCHER RENTAL1/21/21 HIBBERD LANE | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77433 | 2258 | 0 | 0 | 2/12/2021 | 3251 | 3151 | TRENCHTECH INC. | SHORE RENT & NYLON LIFTING SLING | 1/7-1/20/21 |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77433 | 3527.2 | 0 | 0 | 2/12/2021 | 3252 | 550 | XYLEM DEWATERING SOLUTIONS INC. | DRI-PRIME PUMP, HOSES & SUCTION | SCREEN RENTAL |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77620 | 542.92 | 0 | 0 | 3/1/2021 | 3254 | 293 | COLONIAL ELECTRIC SUPPLY | PVC CONDUITS, PANELS, LOCKNUTS & | VARIOUS ELECTRICAL PARTS |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77620 | 1112.2 | 0 | 0 | 3/1/2021 | 3255 | 1668 | EXETER SUPPLY COMPANY INC | MAX ADAPTERS (4) | |
| 07429-1505 | RCSTP CAPITAL | 2102 | CD | 77620 | 14066 | 0 | 0 | 3/1/2021 | 3256 | 1876 | FOLEY INC. | TRACK LOADER RENTAL 1/11-1/20/21 | |
| 07429-1505 | RCSTP CAPITAL | 2103 | CD | 77786 | 5761 | 0 | 0 | 3/10/2021 | 3257 | 1876 | FOLEY INC. | EXCAVATOR, COUPLER & BUCKET RENTAL | 1/11-1/28/21 HIBBERD LANE |
| 07429-1505 | RCSTP CAPITAL | 2103 | CD | 77786 | 4372.69 | 0 | 0 | 3/10/2021 | 3259 | 1052 | PENNONI ASSOCIATES INC. | SERVICES THRU 2/14/21 RCSTP CAUSTIC | SODA CONVERSION |
| 07429-1505 | RCSTP CAPITAL | 2103 | CD | 77786 | 24.09 | 0 | 0 | 3/10/2021 | 3260 | 1983 | YALE ELECTRIC SUPPLY CO | NON-METALLIC CONNECTORS, COUPLING & | BLACK WIRING |
| 07429-1505 | RCSTP CAPITAL | 2103 | CD | 77949 | 922.95 | 0 | 0 | 3/24/2021 | 3262 | 765 | LEC - LENNI ELECTRIC CORPORATION | RACK FOR FLOW METER - HIBBERD | |
| 07429-1505 | RCSTP CAPITAL | 2104 | CD | 78252 | 18377.72 | 0 | 0 | 4/15/2021 | 3268 | 1052 | PENNONI ASSOCIATES INC. | SERV. THRU 3/21/21 HM ESTATES SEWER | |
| 07429-1505 | RCSTP CAPITAL | 2104 | CD | 78359 | 401.6 | 0 | 0 | 4/26/2021 | 3269 | 293 | COLONIAL ELECTRIC SUPPLY | PVC CONDUITS, BELL ENDS, STEEL LOCK | NUTS & POLE RISERS |
| 07429-1505 | RCSTP CAPITAL | 2104 | CD | 78359 | 617.02 | 0 | 0 | 4/26/2021 | 3270 | 550 | XYLEM DEWATERING SOLUTIONS INC. | SALES TAX RE: INVOICE #401064279 | |
| 07429-1505 | RCSTP CAPITAL | 2105 | CD | 78624 | 3975 | 0 | 0 | 5/12/2021 | 3272 | 1052 | PENNONI ASSOCIATES INC. | SERV.THUR 4/18/21 RCSTP CAUSTICSODA | |
| 07429-1505 | RCSTP CAPITAL | 2105 | CD | 78743 | 1561.04 | 0 | 0 | 5/19/2021 | 3274 | 1983 | YALE ELECTRIC SUPPLY CO | WIRE, POLE RISER & PARTS FOR PECO | CONDUIT |
| 07429-1505 | RCSTP CAPITAL | 2105 | CD | 78797 | 2859.5 | 0 | 0 | 5/25/2021 | 3275 | 765 | LEC - LENNI ELECTRIC CORPORATION | ELECTRICAL SERVICE RE: HIBBERD LANE | FLOW METER |
| 07429-1505 | RCSTP CAPITAL | 2106 | CD | 79161 | 3195.87 | 0 | 0 | 6/16/2021 | 3278 | 1052 | PENNONI ASSOCIATES INC. | SERV. THRU 5/16/21 2021 HM ESTATES | SEWER DESIGN |
| 07429-1505 | RCSTP CAPITAL | 2106 | CD | 79183 | 393.82 | 0 | 0 | 6/21/2021 | 3280 | 627 | HIGHWAY MATERIALS INC. | 7.53 TONS 9.5mm, 0.3<3,H HIBBERD LN | METER |
| 07491-5001 | BEGINNING BALANCE | | | | | | | 0 | | | | | |
| 07491-5001 | Bank Fees | 2102 | EX | 77369 | 34.5 | 0 | 0 | 2/9/2021 | 77369 | 1 | REIMB. S/R -JAN.2021 BANK FEES | Bank Fees | |
| 07491-5001 | Bank Fees | 2102 | JE | 77346 | 34.5 | 0 | 0 | 2/8/2021 | REVERSE | | REVERSE & CORRECT TRX. 76976 | BANK FEE CHARGES | |
| 07491-5001 | Bank Fees | 2103 | EX | 77652 | 34.5 | 0 | 0 | 3/2/2021 | 77652 | 1 | REIMB.S/R - FEB.2021 BANK FEES | Bank Fees | |
| 07491-5001 | Bank Fees | 2104 | EX | 78095 | 34.5 | 0 | 0 | 4/1/2021 | 78095 | 1 | REIMB.S/R - 3/2021 BANK FEES | Bank Fees | |
| 07491-5001 | Bank Fees | 2105 | EX | 78504 | 34.5 | 0 | 0 | 5/4/2021 | 78504 | 1 | REIMB.S/R FOR APRIL BANK FEES | Bank Fees | |
| 07491-5001 | Bank Fees | 2106 | EX | 78925 | 34.5 | 0 | 0 | 6/2/2021 | 78925 | 1 | REIMB. S/R MAY 2021 BANK FEES | Bank Fees | |
| 07491-5001 | Bank Fees | 2107 | EX | 79392 | 34.5 | 0 | 0 | 7/1/2021 | 79392 | 1 | JUNE 2021 BANK FEES | Bank Fees | |

Memo

To: Municipal Authority
From: Dave Ware
Re: WTWPS Project Update
Date: July 7, 2021

As a follow up to the joint meeting on Wednesday, July 7th, 2021 between West Goshen and East Goshen representatives regarding the Westtown Way Pump Station, I am providing an update on our expenditures on the project to date and current financial situation.

The Westtown Way Pump Station is just one piece of the total West Goshen Waste Water Treatment Center Capital Improvement Plan developed in 2015.

To that end, attached please find an Excel worksheet with the following information regarding this entire project:

- Original estimated East Goshen Township share of costs as of 4/10/2017
- Revised estimated East Goshen Township share of costs as of 10/27/2017
- Revised estimated East Goshen Township share of costs as of 7/7/2021
 - Westtown Way Pump Station cost estimate updated from meeting
 - \$2,864,000 less \$150,000 (remove stream restoration) = \$2,714,000
 - EGT share @ 54% is \$1,465,560
- Total expenditures to date from Bond Fund - \$2,678,391

We really require more information from West Goshen and the West Goshen Sewer Authority regarding what project items are complete, what remains and the time-table for them, as well as revised cost estimates for outstanding items and what East Goshen Township's share (I assume 16.67%) would be. Even if I assume that the only item that remains for East Goshen Township to pay is the pump station, then we would need \$730K. I believe the original plan projected using EGT Sewer Reserve Funds for this purpose up to \$1.0M. Other options are ARPA funds, a payment plan with West Goshen, or to obtain a bond/refinance current obligations if we are able.

As it stands today, I believe we are in good financial standing to meet our capital obligations for the West Goshen Waste Water Treatment Center Capital Improvement Plan, but need the estimates and other project updates mentioned above if I am to fully assess our situation. To that end, Derek Davis and Mark Miller will meet with Mike Moffa when he returns the week of July 19-23. We will need to validate any cost estimates provided, then I will update my data and provide a revised project expenditure analysis and we can review next steps.

Actuals Versus Budget, West Goshen STP Upgrades
As of 7/9/2021

West Goshen Letter dated Dec 4, 2017
from Michael Moffa to Rick Smith

| Project | Original Est. EG Share of Costs as of 4/10/17 | Est. EG Share of Costs as of 10/27/17 | Est. EG Share of Costs as of 7/7/21 | Total HRG Invoices Paid to Date 5/17/21 | Remaining to Pay | Total Paid When Finished |
|--|---|---|---|---|------------------|-----------------------------|
| Headworks Improvement Project | 364,819 | 490,730 | 490,730 | 485,036 | | 485,036 |
| Anaerobic Digester Project | 716,102 | 1,025,570 | 1,025,570 | 905,753 | | 905,753 |
| Pump Station Phase I Improvements (W Way PS) | 72,637 | 118,939 | | - | | - |
| Sanitary Sewer System Repairs-2017 | 160,632 | 22,689 | 22,689 | 28,497 | | 28,497 |
| Enhanced Chemical Addition Project | 48,801 | 43,253 | 43,253 | 81,657 | | 81,657 |
| Wastewater Treatment Plant Phase II Improvements | 1,227,379 | 1,227,379 | 1,227,379 | 1,141,303 | | 1,141,303 |
| Pump Station Phase II Improvements (W. Way PS) | 1,096,000 | 1,096,000 | 1,465,560 | - | 1,465,560 | 1,465,560 |
| Sanitary Sewer System Repairs-2018 | 42,675 | 42,675 | 42,675 | - | | - |
| Sanitary Sewer System Repairs-2019 | 42,675 | 42,675 | 42,675 | - | | - |
| Misc. Capital Costs | 354,071 | 210,042 | 210,042 | 36,145 | | 36,145 |
| Total | 4,125,791 | 4,319,952 | 4,570,573 | 2,678,391 | 1,465,560 | 4,143,951 |

852,388

| | |
|--|----------------|
| Fulton Bank Balance as of 5/31/21 | 600,814 |
|--|----------------|

| | | | | | |
|---------------------------------------|-----------|-----------|-----------|---|-----------|
| Total Referenced in Rick's letter (): | 1,168,637 | 1,214,939 | 1,465,560 | - | (730,713) |
| Total Pump Station | 2,164,143 | 2,249,887 | 2,714,000 | | |
| | | | 2,714,000 | | |

\$730K left out of pocket
if all other costs/projects were complete
*need outlook on remainder from WG

Total Project Costs

| | | | |
|--|-------------------|-------------------|-------------------|
| Headworks Improvement Project | 2,184,545 | 2,938,503 | 2,938,503 |
| Anaerobic Digester Project | 4,288,036 | 6,141,138 | 6,141,138 |
| Pump Station Phase I Improvements (W Way PS) | 134,513 | 220,257 | - |
| Sanitary Sewer System Repairs-2017 | 961,868 | 135,862 | 135,862 |
| Enhanced Chemical Addition Project | 292,222 | 259,000 | 259,000 |
| Wastewater Treatment Plant Phase II Improvements | 7,349,575 | 7,349,575 | 7,349,575 |
| Pump Station Phase II Improvements (W. Way PS) | 2,029,630 | 2,029,630 | 2,714,000 |
| Sanitary Sewer System Repairs-2018 | 255,539 | 255,539 | 255,539 |
| Sanitary Sewer System Repairs-2019 | 255,539 | 255,539 | 255,539 |
| Misc. Capital Costs | 2,120,186 | 1,257,737 | 1,257,737 |
| Total | 19,871,652 | 20,842,779 | 21,306,892 |

| | | | |
|----------------|-----------|-----------|-----------|
| WWPump Station | 2,164,143 | 2,249,887 | 2,714,000 |
|----------------|-----------|-----------|-----------|

**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 (iii) 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 the Municipal Authority 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 reasonably expects the maximum principal amount of obligations expected to be issued for the Project to total approximately \$2 million.

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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501 Allendale Road
Suite 203
King of Prussia, PA 19406
484.460.7050
www.hrg-inc.com



July 7, 2021

West Goshen Sewer Authority
1025 Paoli Pike, West Chester, PA 19380

Re: Westtown Way Pump Station EOPCC Comparison

Dear Authority Board:

As requested, we have prepared a comparison of the Engineer's Opinion of Probable Construction Cost (EOPCC) that was completed in 2015 as part of the Authority's original Capital Improvement Plan and the current EOPCC that has been prepared and is continuously updated during the final design phase of the Project.

2015 EOPCC

The 2015 EOPCC for the Westtown Way Pump Station was \$1,889,000 which included a 25% contingency. This estimate was prepared after a walk-through inspection of the Westtown Way Pump Station, interviews with Staff and Management, receipt of equipment quotes, and comparison of various construction items with, then, recent construction costs from sources such as Means and similarly bid and awarded Projects. The estimate included major cost items for replacement of pumps, generator, electrical power distribution, pump removal system, lighting improvements, HVAC improvements, and variable frequency drives. A cost of \$150,000 for a new medium voltage gear was identified but not included as at that time, a new secondary 480/277V service was being pursued.

This EOPCC was prepared for use as a planning document and no preliminary engineering design was completed in its preparation.

A copy of the original estimate is attached.

2021 EOPCC

The July 2021 EOPCC for the Westtown Way Pump Station is \$2,864,000 which includes three (3) alternates, a 10% construction contingency, and a 10% cost index inflation. This EOPCC is also broken into three (3) major components: General Contract, Electrical Contract, and COSTARS Procurement Items.

COMPARISON

Historical data indicates that construction cost inflation averages between 3.5 to 5.5% per year between 2012 and 2019. Assuming a flat inflation rate of 3.5% per year, the 2015 EOPCC in 2021 dollars would be \$2,322,063.

Additionally, several additional scope items became known during the design for the improvements to the Pump Station Building. Most notably, we identified that in order to provide the required access to safely remove the pumps, additional strength needed to be added to support the existing two-way concrete slab in both the intermediate and upper floors. This was caused primarily as a result in the number of large penetrations in the floor, reducing the number/amount of continuous reinforcing steel spanning both the length and the width of the slab. The structural analysis completed as part of the design indicated concerns with the existing

number of penetrations given the current loading(s). Two (2) other notable changes were made as a result of the physical dimensions of the selected pump and motor. Due to the size/dimensions/configuration of the equipment for the Flygt pumps, the suction and header piping needed revised and the pump removal system needed modified to accommodate a low profile system.

These revisions are estimated at approximately \$347,000.

During the time since 2015, the influent sewage grinder was identified to be replaced. That resulted in an increase of approximately \$85,800.

The final major change came as a result of project coordination with PECO where it was identified that the Authority would be responsible for replacement of the medium voltage service gear (transformer and switch). This resulted in the need for a larger elevated platform to set the equipment as well. The result is an estimated increase in the construction cost of \$199,000. This item still holds some risk as we are currently expecting to re-use the existing medium voltage conductors from the utility pole to the MV switch. The testing of these conductors is included in the current Project Scope.

Other minor changes included adjustment to Mobilization and Project Management from 5% to 8% based on review of recently approved schedules of values for similar Projects and misc. site work such as repaving 725 sq yards of driveway that will be disturbed during construction.

Finally, the alternates that have been included for comparison are:

- > GC Alternate No. 1: Curved Hoist Beam System to Deliver Pumps Outside - \$103,000
- > GC Alternate No. 2: Stream Bank Restoration/Resiliency - \$150,000
- > EC Alternate No. 1: Replacement of Existing Medium Voltage Conductors from Utility Pole to MV Switch assuming Direct Bury Approval from PECO - \$24,000

While numerous items were added, several items were also removed from the scope including the gas detection system in the wet well and wet well mixing system and we believe that the new sequence of construction will reduce the need for bypass pumping. All of these revisions are estimated at approximately \$60,000.00

SUMMARY

| | |
|-----------------|-------------|
| 2015 EOPCC | \$1,889,000 |
| JULY 2021 EOPCC | \$2,864,000 |
| DIFFERENCE | \$975,000 |

| | |
|-----------------------|-------------|
| INFLATION | \$433,063 |
| ALTERNATES | \$277,000 |
| CHANGE IN SCOPE ITEMS | \$571,800 |
| TOTAL | \$1,281,863 |

Westtown Way Pump Station EOPCC Comparison
West Goshen Sewer Authority
July 7, 2021
Page 3

Sincerely,

HERBERT, ROWLAND & GRUBIC, INC.

A handwritten signature in dark ink, appearing to read "J. Fox", is written over the printed name and title of the sender.

Joshua T. Fox, P.E.
Practice Area Leader

JTF

R007608.0426

P:\0076\007608_0426\Admin\Corres\2021.07.06 WWPS EOPCC Comparison for EGT Meeting.docx

Enclosures

c: File

**OPINION OF PROBABLE CONSTRUCTION COST ESTIMATE
FOR
WESTTOWN WAY PUMP STATION IMPROVEMENTS PROJECT - CONTRACT WW-1
WEST GOSHEN SEWER AUTHORITY
JULY 2021**

| ITEM NO. | DESCRIPTION | EST. QTY. | UNIT PRICE | UNIT | EXTENSION |
|---|---|-----------|---------------|-------|---------------|
| GENERAL | | | | | |
| 1 | Mobilization (8%) | 1 | \$ 73,090.18 | L.S. | \$ 73,100.00 |
| 2 | Bonds & Insurance (4.5%) | 1 | \$ 41,113.22 | L.S. | \$ 41,120.00 |
| 3 | Bypass Pumping | 2 | \$ 32,500.00 | Month | \$ 67,880.00 |
| SITE WORK | | | | | |
| 4 | Erosion and Sediment Controls | 1 | \$ 10,000.00 | L.S. | \$ 10,000.00 |
| 5 | Pump Station Site Preparation/Grading | 1 | \$ 20,000.00 | L.S. | \$ 20,000.00 |
| 6 | Pump Station Site 2A Aggregate | 725 | \$ 29.00 | S.Y. | \$ 21,025.00 |
| 7 | Pump Station Site Paving | 725 | \$ 18.00 | S.Y. | \$ 13,050.00 |
| 8 | Platform for Generator & Electrical Gear | 1 | \$ 100,000.00 | L.S. | \$ 100,000.00 |
| 9 | New Concrete Entrance to Building | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 10 | Retaining Wall Modifications | 1 | \$ 15,000.00 | L.S. | \$ 15,000.00 |
| 11 | Chain Link Fencing around Electrical Gear | 220 | \$ 17.00 | L.F. | \$ 3,740.00 |
| 12 | Swing Gate | 2 | \$ 5,000.00 | EA. | \$ 10,000.00 |
| 13 | Vegetative Restoration | 1 | \$ 7,500.00 | L.S. | \$ 7,500.00 |
| 14 | Bollard Installation | 5 | \$ 450.00 | EA. | \$ 2,250.00 |
| 15 | Influent Manhole Modifications for Bypass Pumping | 1 | \$ 10,000.00 | L.S. | \$ 10,000.00 |
| PUMP BUILDING | | | | | |
| FIRST FLOOR MODIFICATIONS | | | | | |
| 16 | Floor Demolition & Front Wall Holes | 1 | \$ 19,000.00 | L.S. | \$ 19,000.00 |
| 17 | Beam Pockets | 4 | \$ 1,250.00 | EA. | \$ 5,000.00 |
| 18 | Concrete Infill for Front Wall Holes & HVAC Holes | 1 | \$ 6,300.00 | L.S. | \$ 6,300.00 |
| 19 | Structural Steel | 4250 | \$ 6.50 | LBS. | \$ 27,625.00 |
| 20 | Grating | 100 | \$ 60.00 | S.F. | \$ 6,000.00 |
| 21 | Grout | 1 | \$ 3,250.00 | L.S. | \$ 3,250.00 |
| 22 | Replace Windows | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| INTERMEDIATE FLOOR MODIFICATIONS | | | | | |
| 23 | Floor Demolition | 1 | \$ 26,500.00 | L.S. | \$ 26,500.00 |
| 24 | Grout - Pump Shaft Holes | 1 | \$ 1,000.00 | L.S. | \$ 1,000.00 |
| 25 | Structural Steel | 3150 | \$ 6.50 | LBS. | \$ 20,475.00 |
| 26 | Field Welding | 1 | \$ 3,250.00 | L.S. | \$ 3,250.00 |
| 27 | Hand Rail Around Openings | 1 | \$ 6,500.00 | L.S. | \$ 6,500.00 |
| 28 | Grout | 1 | \$ 3,250.00 | L.S. | \$ 3,250.00 |
| PUMP FLOOR MODIFICATIONS | | | | | |
| 29 | Floor Demolition | 1 | \$ 2,250.00 | L.S. | \$ 2,250.00 |
| 30 | Structural Steel/Pipe Supports | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 31 | Pump Supports | 1 | \$ 12,500.00 | L.S. | \$ 12,500.00 |
| 32 | Replace Floor Drain Piping | 50 | \$ 100.00 | L.F. | \$ 5,000.00 |
| 33 | Repair Infiltration from Wet Well in Dry Well | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 34 | Dry-Pit Pump Installation | 3 | \$ 10,000.00 | EA. | \$ 30,000.00 |
| 35 | Suction Header & Discharge Piping | 1 | \$ 62,830.88 | L.S. | \$ 62,840.00 |
| 36 | 14" Magnetic Flow Meter | 1 | \$ 13,162.50 | EA. | \$ 13,162.50 |
| 37 | 12" Resilient Wedge Gate Valve | 3 | \$ 3,282.50 | EA. | \$ 9,847.50 |
| 38 | 14" Resilient Wedge Gate Valve | 4 | \$ 16,653.00 | EA. | \$ 66,612.00 |
| 39 | 6" Resilient Wedge Gate Valve | 1 | \$ 2,522.00 | EA. | \$ 2,522.00 |
| 40 | 12" Check Valve | 3 | \$ 14,510.60 | EA. | \$ 43,531.80 |
| 41 | 6" Surge Relief Valve | 1 | \$ 9,461.40 | EA. | \$ 9,461.40 |
| 42 | Core Drill Wet Well - Surge Relief | 1 | \$ 1,200.00 | EA. | \$ 1,200.00 |

| INTERIOR PUMP REMOVAL SYSTEM | | | | | |
|------------------------------|---------------------------------------|------|--------------|------|--------------|
| 43 | Structural Steel | 2650 | \$ 6.50 | LBS. | \$ 17,225.00 |
| 44 | Concrete Columns (Beam Supports) | 2 | \$ 1,500.00 | EA. | \$ 3,000.00 |
| 45 | Low Profile Hoist Assembly | 1 | \$ 43,000.00 | L.S. | \$ 43,000.00 |
| 46 | Beam Pockets | 2 | \$ 1,500.00 | EA. | \$ 3,000.00 |
| LOUVRE REMOVAL | | | | | |
| 47 | Louvre Removal | 1 | \$ 2,000.00 | L.S. | \$ 2,000.00 |
| 48 | CMU Infill | 125 | \$ 30.00 | S.F. | \$ 3,750.00 |
| OTHER | | | | | |
| 49 | Painting & Protective Coatings | 1 | \$ 20,000.00 | L.S. | \$ 20,000.00 |
| 50 | Replace all HVAC equipment | 1 | \$ 50,000.00 | L.S. | \$ 50,000.00 |
| WET WELL | | | | | |
| 51 | Concrete First Floor Slab Repairs | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 52 | Aluminum Grating | 15 | \$ 50.00 | S.F. | \$ 750.00 |
| 53 | Concrete Spall Repairs | 50 | \$ 150.00 | S.F. | \$ 7,500.00 |
| 54 | Repair/Replace Cast Iron Drain Piping | 1 | \$ 2,000.00 | L.S. | \$ 2,000.00 |
| 55 | Diminutor Installation | 1 | \$ 22,278.38 | L.S. | \$ 22,280.00 |
| 56 | Sluice Gate and Install | 1 | \$ 34,800.00 | L.S. | \$ 34,800.00 |
| 57 | Channel Modifications for Sluice Gate | 1 | \$ 10,000.00 | L.S. | \$ 10,000.00 |
| 58 | Davit Crane Base | 1 | \$ 1,800.00 | EA. | \$ 1,800.00 |

SUBTOTAL \$ 1,027,850.00

CONTINGENCY (10%) \$ 102,790.00

COST INDEX INFLATION (10%) \$ 102,790.00

ALTERNATE No. 1 \$ 103,000.00

ALTERNATE No. 2 \$ 150,000.00

TOTAL \$ 1,486,430.00

SAY \$ 1,487,000.00

GENERAL CONSTRUCTION ESTIMATE \$ 1,487,000.00

ELECTRICAL CONSTRUCTION ESTIMATE \$ 694,000.00

EQUIPMENT PROCUREMENT ESTIMATE \$ 683,000.00

CONSTRUCTION TOTAL ESTIMATE \$ 2,864,000.00

CONSTRUCTION TOTAL W/O ALTERNATES \$ 2,587,000.00

Note: Cost estimate is based on final process design and preliminary structural and electrical design and includes an Increase in 10% costs based on recent Increases in construction materials (inflation)

Alternate No. 1 Includes Curved Hoist Beam System to Deliver Pumps Outside

Alternate No. 2 Includes \$150k for Stream Bank Restoration/Resiliency

OPINION OF PROBABLE CONSTRUCTION COST ESTIMATE

FOR
WESTTOWN WAY PUMP STATION IMPROVEMENTS PROJECT - CONTRACT NO. WW-2
WEST GOSHEN SEWER AUTHORITY
JULY 2021

| ITEM NO. | DESCRIPTION | EST. QTY. | UNIT COST | UNIT | EXTENSION |
|---------------------------------------|---|-----------|---------------|------|---------------|
| GENERAL | | | | | |
| 1 | Mobilization (8%) | 1 | \$ 40,000.00 | L.S. | \$ 40,000.00 |
| 2 | Bonds & Insurance (4.5%) | 1 | \$ 23,000.00 | LS | \$ 23,000.00 |
| ELECTRICAL & CONTROLS WORK | | | | | |
| 2 | Demolition of Existing Electrical Systems | 1 | \$ 20,000.00 | L.S. | \$ 20,000.00 |
| 3 | XP LED Lighting in Wetwell | 1 | \$ 2,000.00 | L.S. | \$ 2,000.00 |
| 4 | XP Rated Conduit & Wiring in Wetwell | 1 | \$ 6,000.00 | L.S. | \$ 6,000.00 |
| 5 | Interior Light LED Replacement | 1 | \$ 10,000.00 | L.S. | \$ 10,000.00 |
| 6 | 250HP VFD & Installation | 3 | \$ 60,000.00 | EA. | \$ 180,000.00 |
| 7 | Emergency Shutdown Switches for Pumps | 1 | \$ 3,000.00 | L.S. | \$ 3,000.00 |
| 8 | Power Distribution Panels to Replace MCC | 1 | \$ 35,000.00 | L.S. | \$ 35,000.00 |
| 9 | Installation of Procured Generator/ATS | 1 | \$ 40,000.00 | L.S. | \$ 40,000.00 |
| 10 | *Medium Voltage Cable (4 Conductors) | 300 | \$ 30.00 | L.F. | \$ 9,000.00 |
| 11 | Medium Voltage Service Gear (Transformer and MV Switch) | 1 | \$ 150,000.00 | L.S. | \$ 150,000.00 |
| 12 | Control Panel Installation | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 13 | Site Lighting | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 14 | Testing Existing Medium Voltage Conductors from Utility Pole to MV Switch | 1 | \$ 5,000.00 | L.S. | \$ 5,000.00 |
| 15 | Misc Electrical Conduit, Wire, and Work. | 1 | \$ 25,000.00 | L.S. | \$ 25,000.00 |

Note: Cost estimate is based on preliminary process design and conceptual structural and electrical design

Alternate 1 Includes Replacement of Existing Medium Voltage Conductors from Utility Pole to MV Switch; Assumes Direct Bury Approval from PECO

| | | |
|--|----|--------------|
| SUBTOTAL | \$ | 558,000.00 |
| CONTINGENCY (10%) | \$ | 55,800.00 |
| COST INDEX INFLATION (10%) | \$ | 55,800.00 |
| ALTERNATE 1 | \$ | 24,000.00 |
| TOTAL | \$ | 693,600.00 |
| SAY | \$ | 694,000.00 |
| CONSTRUCTION TOTAL | \$ | 2,864,000.00 |
| CONSTRUCTION TOTAL W/O ALTERNATES | \$ | 2,587,000.00 |

* The medium voltage conductors that are proposed are only the conductors that we know about, if the existing medium voltage conductors from the utility pole do not test within adequate parameters, then they will have to be replaced.



369 East Park Drive
Harrisburg, PA 17111
Phone: (717) 564-1121
Fax: (717) 564-1158

OPINION OF PROBABLE CONSTRUCTION COST ESTIMATE

FOR

WESTTOWN WAY PUMP STATION IMPROVEMENTS PROJECT - COSTARS PROCURED EQUIPMENT

WEST GOSHEN SEWER AUTHORITY

JULY 2021

| ITEM NO. | DESCRIPTION | EST. QTY. | UNIT COST | UNIT | EXTENSION |
|---------------------------|----------------------------|-----------|---------------|------|---------------|
| PROCURED EQUIPMENT | | | | | |
| 1 | Flygt Pumps | 1 | \$ 440,496.00 | LS | \$ 440,496.00 |
| 2 | Generator and ATS | 1 | \$ 146,634.66 | LS | \$ 146,634.66 |
| 3 | Control Panel | 1 | \$ 31,231.00 | LS | \$ 31,231.00 |
| 4 | Franklin Miller Dimminutor | 1 | \$ 63,652.50 | LS | \$ 63,652.50 |

TOTAL \$ 682,014.16

SAY \$ 683,000.00

CONSTRUCTION TOTAL \$ 2,864,000.00

CONSTRUCTION TOTAL W/O ALTERNATES \$ 2,587,000.00

| <p align="center">OPINION OF PROBABLE CONSTRUCTION COST ESTIMATE FOR PUMP STATION NO. 13 - WESTTOWN WAY IMPROVEMENTS CAPITAL IMPROVEMENTS PLAN WEST GOSHEN TOWNSHIP WWTP DECEMBER 2015</p> | | | | | |
|---|---|-----------|------|---------------|---------------|
| ITEM NO. | DESCRIPTION | EST. QTY. | UNIT | UNIT COST | EXTENSION |
| GENERAL | | | | | |
| 1 | MOBILIZATION AND PROJECT MANAGEMENT (5%) | 1 | L.S. | \$ 62,500.00 | \$ 62,500.00 |
| 2 | BONDS & INSURANCES (2%) | 1 | L.S. | \$ 25,000.00 | \$ 25,000.00 |
| 3 | BUILDING PERMIT (0.4%) | 1 | L.S. | \$ 5,000.00 | \$ 5,000.00 |
| 4 | BUILDERS RISK INSURANCE (0.25%) | 1 | L.S. | \$ 3,200.00 | \$ 3,200.00 |
| 5 | GEN. LIABILITY INSURANCE (2.0%) | 1 | L.S. | \$ 25,000.00 | \$ 25,000.00 |
| 6 | BONDS (1.0%) | 1 | L.S. | \$ 12,500.00 | \$ 12,500.00 |
| 7 | DEMOLITION (3%) | 1 | L.S. | \$ 37,500.00 | \$ 37,500.00 |
| 8 | BYPASS PUMPING | 30 | DAY | \$ 3,000.00 | \$ 90,000.00 |
| SITE | | | | | |
| 9 | FM BYPASS VALVE CONNECTION ASSEMBLY | 1 | L.S. | \$ 45,000.00 | \$ 45,000.00 |
| 10 | 18" FM DISCHARGE VALVE INSERTION | 1 | L.S. | \$ 42,000.00 | \$ 42,000.00 |
| 11 | E&S CONTROL | 1 | L.S. | \$ 2,500.00 | \$ 2,500.00 |
| 12 | CHAIN LINK FENCE REPAIRS AROUND SWITCHGEAR | 1 | L.S. | \$ 1,000.00 | \$ 1,000.00 |
| 13 | VEGETATIVE RESTORATION | 1 | L.S. | \$ 2,000.00 | \$ 2,000.00 |
| PUMP BUILDING | | | | | |
| 14 | REPLACE WINDOWS | 1 | L.S. | \$ 3,000.00 | \$ 3,000.00 |
| 15 | BLOCK-IN ABANDONED HVAC VENTILATION LOUVERS | 1 | L.S. | \$ 6,000.00 | \$ 6,000.00 |
| 16 | REPLACE ALL HVAC EQUIPMENT | 1 | L.S. | \$ 40,000.00 | \$ 40,000.00 |
| 17 | REPAIR FLOOR DRAIN PIPING | 1 | L.S. | \$ 5,000.00 | \$ 5,000.00 |
| 18 | 250 HP DRY PIT SUBMERSIBLE PUMP | 3 | EA. | \$ 147,525.00 | \$ 442,575.00 |
| 19 | INSTALL 16" MAG METER AND CHART RECORDER | 1 | L.S. | \$ 17,250.00 | \$ 17,250.00 |
| 20 | PUMP REMOVAL SYSTEM FLOOR OPENINGS AND STEEL SUPPORTS | 1 | L.S. | \$ 32,000.00 | \$ 32,000.00 |
| 21 | OVERHEAD WIRE ROPE HOIST | 1 | L.S. | \$ 36,000.00 | \$ 36,000.00 |
| 22 | REPLACE 16" FORCE MAIN DISCHARGE GATE VALVE | 1 | L.S. | \$ 10,000.00 | \$ 10,000.00 |
| 23 | REPAIR WATER INFILTRATION FROM WET WELL IN DRY WELL | 1 | L.S. | \$ 5,000.00 | \$ 5,000.00 |
| 24 | PUMP STATION DATA LOGGER | 1 | L.S. | \$ 4,000.00 | \$ 4,000.00 |
| WET WELL | | | | | |
| 25 | PROVIDE COMBUSTIBLE GAS DETECTOR IN WET WELL | 1 | L.S. | \$ 10,900.00 | \$ 10,900.00 |
| 26 | CONCRETE CRACK/SPALLING REPAIRS | 420 | S.F. | \$ 150.00 | \$ 63,000.00 |
| 27 | REPAIR/REPLACE CAST IRON DRAIN PIPING | 1 | L.S. | \$ 2,000.00 | \$ 2,000.00 |
| 28 | NEW WET WELL MIXING SYSTEM | 1 | L.S. | \$ 24,000.00 | \$ 24,000.00 |
| 29 | ADJUST INFLUENT SEWAGE GRINDER TO HELP MINIMIZE GRIT DEPOSITION | 1 | L.S. | \$ 7,500.00 | \$ 7,500.00 |
| 30 | NEW ACCESS HATCH ABOVE INFLUENT SEWAGE GRINDER | 1 | L.S. | \$ 2,500.00 | \$ 2,500.00 |
| ELECTRICAL/CONTROLS | | | | | |
| 31 | DEMOLITION OF EXISTING ELECTRICAL | 1 | LS | \$ 20,000.00 | \$ 20,000.00 |
| 32 | XP LED LIGHTING IN WETWELL | 1 | LS | \$ 1,500.00 | \$ 1,500.00 |

| | | | | | |
|----|---|---|----|--------------------------|-----------------|
| 33 | REPLACEMENT OF INTERIOR LIGHTS WITH LED | 1 | LS | \$ 10,000.00 | \$ 10,000.00 |
| 34 | 1000A SERVICE ENTRANCE RATED ATS, 480Y/277V | 1 | LS | \$ 30,000.00 | \$ 30,000.00 |
| 35 | 200HP VFD | 2 | EA | \$ 32,000.00 | \$ 64,000.00 |
| 36 | 250HP VFD | 1 | EA | \$ 38,000.00 | \$ 38,000.00 |
| 37 | EMERGENCY SHUT DOWN SWITCHES FOR PUMPS | 1 | LS | \$ 3,000.00 | \$ 3,000.00 |
| 38 | NEW POWER DISTRIBUTION PANELS TO REPLACE MCC | 1 | LS | \$ 25,000.00 | \$ 25,000.00 |
| 39 | XP RATED CONDUIT & WIRING IN WETWELL | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| 40 | 500KW OUTDOOR GENERATOR | 1 | LS | \$ 160,000.00 | \$ 160,000.00 |
| 41 | GENERATOR PLATFORM TO RAISE ABOVE FLOOD PLAIN | 1 | LS | \$ 30,000.00 | \$ 30,000.00 |
| 42 | OPTION 1 FOR NEW ELECTRICAL SERVICE: NEW MEDIUM VOLTAGE SERVICE GEAR | 1 | LS | \$ 150,000.00 | |
| 43 | OPTION 2 FOR NEW ELECTRICAL SERVICE: NEW SECONDARY SERVICE AT 480Y/277V | 1 | LS | \$ 60,000.00 | \$ 60,000.00 |
| | | | | SUBTOTAL | \$ 1,510,425.00 |
| | | | | CONTINGENCY (25%) | \$ 377,606.25 |
| | | | | TOTAL | \$ 1,888,031.25 |
| | | | | SAY | \$ 1,889,000.00 |

ASSUMPTIONS:

Concrete crack/spalling repairs - Assumes 6 V.F. of concrete around wet well walls to be repaired.
Assumes building floors can support new openings directly over pumps to allow for pump removal.

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

July 8, 2021

To: Municipal Authority

From: Mark Miller

Ref: New Lateral Connection

Mrs. Tegler who resides at 1725 Towne Drive will be raising the old garage and apartment on the property and building a new house for her daughter. They have requested to tie into the public sewer system there is a lateral stub in place on Towne Drive for the property which the Public Works Department has verified the location of the lateral stub. I have sent the postcard notification to the DEP as required.

Motion: Mr. Chairman, I move that the Authority approve the sewer connection for 1725 Towne Drive for one single family home.

Derek Davis

From: John D'Orta [REDACTED]
Sent: Thursday, June 24, 2021 10:39 AM
To: Derek Davis
Subject: Backed up sewer line

FYI

As a home owner at [REDACTED] Grand Oak Lane, I wanted to tell you about our experience with your work crew. They responded immediately to a water/sewer problem that turned into a big job. They were respectful and diligent while solving the problem. They even stayed late to get the job done. I just want them to get the recognition they deserve. Mr and Mrs D'Orta

FYI

Dear PMAA Member,

On behalf of the Board of Directors and staff of the Pennsylvania Municipal Authorities Association, we want to congratulate and thank you for the steadfast management and committed service to Pennsylvania communities over the past 16 months. The pandemic provided all of us with challenges never before seen. Authorities met these challenges with the same unwavering leadership provided to Pennsylvanians for almost 80 years.

Throughout the entire experience, PMAA has been by your side, your partner in providing education, support and advocacy. Virtual communications have kept all of us connected, redefining "association" in ways many never imagined.

This month, PMAA has held our first in-person events, as over 100 members enthusiastically gathered at spring management workshops in Hershey and Seven Springs. Unanimously, attendees agreed the opportunity to return to meetings, see their friends and colleagues, and learn and discuss authority issues together with fellow members, was a very well received return to normalcy.

Now, with great eagerness and excitement, authorities are planning to join together in State College at **PMAA's 79th Annual Conference and Trade Show. "Authorities 2021: Resilience in a Changing World"** will be held **August 29-September 1** at the Penn Stater Hotel and Conference Center. A great attendance is expected, as a full schedule of education sessions, networking opportunities, and trade show events have been planned. We invite you to join hundreds of professionals, board members, and consultants, learning the latest issues facing municipal authorities.

Returning to normal! Conference facilities and the association have been opening consistent with state, federal and healthcare guidelines. We anticipate a healthy, enjoyable event, gathering together, renewing friendships and lifting each other with the best strength and support association membership and participation provides.

Authorities 2021: Resilience in a Changing World.
www.municipalauthorities.org/conference/

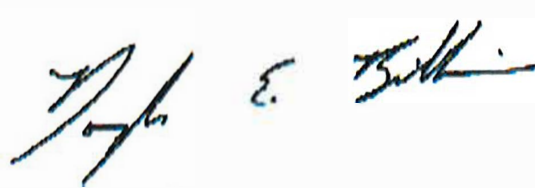
See you in State College!



Thomas A. Zeuner
PMAA President



John Berti
Conference Chairman



Douglas E. Bilheimer
Executive Director