

EAST GOSHEN MUNICIPAL AUTHORITY

December 9, 2013

Monday 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. APPROVAL OF MINUTES
 - a. November 11, 2013
4. APPROVAL OF INVOICES

| | | | |
|-----------------------|---------|----|----------|
| a. Gawthrop Greenwood | #113959 | \$ | 500.00 |
| b. Gawthrop Greenwood | #113960 | \$ | 831.71 |
| c. Pennoni #569529 | | \$ | 367.50 |
| d. Pennoni #569530 | | \$ | 401.50 |
| e. Pennoni #569531 | | \$ | 3,031.25 |
| f. Pennoni #569532 | | \$ | 4,376.50 |
5. LIAISON REPORTS
6. FINANCIAL REPORTS
 - a. November 2013 Reports
7. OLD BUSINESS
 - a.
8. GOALS
 - a. November Goals
9. NEW BUSINESS
 - a. Consider Pennoni 2014 Proposal
 - b. Consider Proposed Budget for 2014
 - c. Authorize Chairman to Execute Fifth Supplemental Lease
10. CAPACITY REQUESTS
 - a.
11. SEWER REPORTS
 - a. Director of Public Works Report
 - b. Pennoni Engineer's Report
 - c. Big Fish Environmental Inc Report with DMR's
 - d. East Goshen Township Flows for November 2013 – having issues with new meters, I will have them next month.

12. ANY OTHER MATTER
13. CORRESPONDENCE AND REPORTS OF INTEREST
14. PUBLIC COMMENT
15. ADJOURNMENT

Reminder – NEWSLETTER ARTICLE SUBMISSION DUE DATES:

Article Due Date

Website Posting Date

draft
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
November 11, 2013

The East Goshen Township Municipal Authority held their regular public meeting on Monday, November 11, 2013 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Fran Beck, Dana Pizarro, Ed McAssey, Jack Yahraes and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Scott Towler (BFES), Bob Adams (Atty), Mike Ellis (Pennoni), and Mark Miller (Director of Public Works).

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>PR – Park & Recreation Board</i> |
| <i>EPA – Environmental protection Agency</i> | <i>RCSTP – Ridley Creek Sewer Treatment Plant</i> |
| <i>HC – Historical Commission</i> | <i>SBR – Sequencing Batch Reactor</i> |
| <i>I&I – Inflow & Infiltration</i> | <i>SSO – Sanitary System Overflow</i> |
| <i>LCSTP – Lockwood Chase Sewer Treatment Plant</i> | <i>WAS – Waste Activated Sludge</i> |

Call to Order & Pledge of Allegiance

Fran called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember the troops and all veterans. Fran asked if anyone would be recording the meeting and there was no response.

Chairman's Report/Other Member's Reports

Dana reported that he attended a seminar about INI. He will forward the materials to Rick and Mark.

Approval of Minutes

The Chairman noted that the minutes of the October 14, 2013 meeting were approved as corrected.

Approval of Invoices

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

- | | | |
|----|-----------------|-------------|
| a. | Pennoni #566093 | \$ 105.00 |
| b. | Pennoni #566094 | \$ 1,934.50 |
| c. | Pennoni #566095 | \$ 7,597.75 |
| d. | Pennoni #567776 | \$18,056.50 |
| e. | Pennoni #566097 | \$ 680.00 |

Ed seconded the motion. The motion passed unanimously.

f. Ronald Smith App #2 for \$32,088.71. Jack moved to approve payment in the amount of \$32,088.71 for the Ronald Smith App#2. Dana seconded the motion. The motion passed unanimously.

g. Dana moved to approve payment of the MGK Industries, Inc. #4487 for \$7,250.00. Kevin seconded the motion. The motion passed unanimously.

1 h. Jack moved to approve payment of the Gawthrop invoice for \$1,331.71. Dana
2 seconded the motion. The motion passed unanimously.
3

4 **Financial Reports**

5 Jon Altshul's November 4, 2013 report - The Municipal Authority recorded \$2,562,102 in
6 revenues and \$957,570 in expenses in October, a difference of \$1,604,532. The fund balance is
7 now \$1,655,909. The overwhelming majority of the expenditures and revenues this month were
8 related to the proceeds of the \$2.5 million DelVal note, which closed on October 15.

9 That 20-year note closed with an interest rate of 3.049%. Interest on the note is now being paid
10 out of the sewer operating fund and the first principal payment is scheduled for October 2014.
11 \$1.6 million is being retained by the Municipal Authority for the anticipated costs associated
12 with the Reservoir Road Pump Station project. The remaining balance of the loan proceeds
13 (\$877,000 or \$900,000 minus the various costs of issuance) was transferred to the Sewer Sinking
14 Fund (formerly the Sewer Capital Reserve Fund) as a reimbursement for the cost of the various
15 diversion projects.

16 In addition, \$67,552 in expenses was incurred for the Reserve pump station project; \$7,558 was
17 incurred for the Hershey Mill pump station project; and \$2,020 was incurred for the Reservoir
18 Road pump station project.
19

20 **Goals**

21 Kevin mentioned that he did submit an article for the Newsletter.

22 Ed will attend the 4th Quarter West Goshen meeting in December.
23

24 **New Business**

25 In a letter dated October 13, 2013, Maillie LLP, CPAs, described their audit objective and scope.
26 The cost of the proposed audit will be \$10,800, which includes \$8,300 audit fee and \$2,500 due
27 to the new bond issue and various construction projects. Jack moved to accept the proposal from
28 Maillie LLP for \$10,800. Dana seconded the motion. The motion passed unanimously.
29

30 **Capacity Requests**

31 Patricia O'Neill, 1637 Manley Road, subdivision – Rick explained that the resident wants to
32 subdivide one acre of her property. Kevin moved to authorize execution of the Sewer Capacity
33 Reservation Agreement for Patricia O'Neill. Jack seconded the motion. The motion passed
34 unanimously.
35

36 **Sewer Reports**

37 **1. Mark Miller, Director of Public Works -**

38 Meters: All meters were read on a daily basis. We are waiting on bands for the probes before
39 we can install the portable meters.

40 Pump Stations: Were visited on a daily basis.

41 C.C. Collection: We cleaned and televised 4050 feet in the Meadows. We will begin cleaning
42 and televising Supplee Valley on Thursday. We replaced all the castings and lids in Grand Oak,
43 Clover Land and Heather Lane. We have been having problems with the Hershey Mill Pumping
44 Station. It appears that the main controller for the pumps is failing. A new controller has been
45 ordered.

1 R.C. Collection: The contractor has finished the sewer line at the Reserve. The new line was
2 televised by the contractor. The pump station was stripped out by the Public Works Dept. The
3 pumps were sent to Deckmans for the rebuild. They also will be changing the impellers for use
4 at the Hunt Country Pump Station.

5 I met with the property owner that backs up to the Hunt country Pump Station to explain the
6 renovations to the pump station. The resident was ok with what we are going to do.

7 R.C. Plant: No problems to report

8 Alarms: We received a total of 27 alarms in October.

9 PA One Calls: We received 86 PA One calls for the month of October.

10 Lateral repairs: 5 for the C.C. Collection

11 2 for the R.C. Collection

12 INI report: On Thursday we tried out the new smoke tester on the Ridley Creek interceptor line.
13 We also found a significant break in Supplee Valley and on Baldwin Drive. Repairs are
14 scheduled for Tuesday Nov. 12, 2013.

15 Mark mentioned that they are done road paving. This winter they will do smoke testing
16 throughout the township. They will send letters to the residents, and notify the fire company and
17 911.

18 Also, the Hersheys Mill Pump Station lost a flow meter which will cost about \$4,000. He turned
19 a claim in to the insurance company.

20
21 **2. Pennoni** – Mike Ellis gave the following report for October:

22 RCSTP – Pennoni continues to provide operations assistance as needed. No issues were brought
23 to our attention in October.

24 Reserve PS Elimination – We performed daily part-time construction observation of sewer
25 installation, testing, pump station demolition, and restoration. We also reviewed and processed
26 Payment Application #2.

27 Wastewater was diverted into the new sewers on October 15, 2013. All work on the project has
28 been completed including restoration. Before recommending final payment, the contractor needs
29 to provide a letter from their geotechnical engineering confirming adequate backfill compaction
30 within the detention basin berm as well as written notification that they will return in the spring
31 to remove the filter sock along the creek.

32 Reservoir Road Pump Station Act 537 Plan – We have continued the topographic and existing
33 conditions field survey of the proposed pump station parcel and proposed force main route to the
34 tentatively proposed gravity sewer connection in Bow Tree. We made a PA One Call request
35 and have received responses that utility providers are physically marking their facilities in the
36 area of the proposed pump station and along the proposed force main route. Once all utilities are
37 marked, we will complete the field survey and finalize the existing conditions plan.

38 Our modeling indicates the Ridley Creek interceptor likely does not have adequate capacity for
39 300,000 gpd from the pump station. Mark Miller has field confirmed the pipe sizes and
40 materials in the modeling, which are 15" diameter PVC. We are coordinating to obtain
41 interceptor as-built plans in order to confirm modeled pipe slopes to determine if the model may
42 be underestimating capacities.

43 We have prepared and submitted conceptual scopes, mapping, and construction cost estimates
44 for five force main routing alternatives to the Township for review and discussion. The base
45 alternative assumes no upgrades to any existing gravity interceptor sewers; whereas, the four
46 other alternatives are based upon replacing approximately 1,000 L.F. of interceptor sewers with

larger pipes. The Act 537 Plan will be completed and submitted to the review agencies after the routing and extents of the force main and sewer upgrades are determined.

Semi-Annual I/I Report – The semi-annual report was finalized and submitted to the Township.

Hunt Country Pump Station – We performed field visits with Mark Miller to both the Hunt Country and Reserve Pump Stations in late September to evaluate the feasibility of replacing the pumps, generator, and other equipment at the Hunt Country PS with the equipment the Township removed from the Reserve PS. We performed a cursory analysis of the design operating points of the pumps based upon available information, and it appears the Reserve PS pumps are oversized for use in the Hunt country PS and will need smaller impellers. We are awaiting further design data on the Hunt Country PS system curve in order to determine the exact impellor size required. We have prepared a draft memo summarizing our findings and recommendation.

3. Big Fish Environmental Services – The following is a summary of Scott's report for October 2013:

Treatment Process Operation- During September 2013, there were no exceedances of the final effluent discharge limitations for Outfall 001 and Outfall 002.

The monthly average total phosphorus concentration was 0.39 mg/L as compared to the discharge limitation of 0.5 mg/L. During the month, the final effluent total phosphorus concentration discharged ranged from 0.18 mg/L to 0/60 mg/L. Two additional samples were collected and analyzed during the month.

Flow to Applebrook, Outfall 002, continued during September and mid-October.

In October, Mike Brenner, Water Quality Specialist from PA DEP was on site to conduct a facility inspection. No Violations were observed. Overall, the report indicated that they facility and final effluent are in good condition.

During October, there are no exceedances of the permit limitations for Outfall 001 and Outfall 002.

Transfer of treated effluent to the Applebrook Golf Course continued during mid-October. Flow was discontinued beginning October 15th and will remain off until the Spring of 2014. During October, the daily average for Outfall 002 was 135,600 gallons per day. Composite samples are collected at the influent doghouse manhole. The influent flow meter reading is collected from the influent flow meter located prior to the Screening Building, excluding the internal recycle flows.

SBRs 1, 3 and 4 were in service during October.

Process monitoring of each SBR included ammonia as N, nitrite as N, nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations remained around the same concentration as September. Present surface area coverage during React Phase ranges from approx. 50 to 80%. The foam color remains as light to medium brown in color and averages 2 to 4 inches in depth. Daily monitoring of the influent and final effluent 24-hour composites samples for total phosphorus is ongoing. Daily analysis of the final effluent flow equalization grab sample is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs was increased at beginning of October as total phosphorus concentrations in the SBRs during September were elevated. The dosages were gradually reduced after the first week in October to a daily average of 63 gallons per day at the end of October.

1 SBR #2 remains out of service as a treatment unit. The tank was partially filled during the storm
2 event.

3 **Process Monitoring On-Line Instrumentation:**

4 Coordination with the Hach Company has been placed on hold until a demonstration unit
5 becomes available.

6 During the month, sludge wasting to the sludge holding tanks and decanting of the sludge
7 holding tanks was ongoing. Process monitoring includes pH, total alkalinity and total solids.
8 Sludge holding tank #1 was in service. The level at the beginning of the month was 4.56 feet
9 and the level at the end of the month was 9.77 feet. The initial total solids concentration was
10 0.80A% and ended the month as 0.93% total solids. 70,525 gallons of supernatant was decanted
11 during the month. A total of 700 pounds of soda ash were added during the month for pH
12 adjustment.

13 Sludge holding tank #2 was in service. The level at the beginning of the month was 10.69 feet
14 and the level at the end of the month was 8.44 feet. The initial total solids concentration was
15 1.07% and ended the month as 0.72% total solids. No supernatant was decanted during the
16 month. A total of 750 pounds of soda ash were added during the month for pH adjustment.
17 No significant storms were experienced during October 2013.

18 Minor Repairs and Preventative Maintenance

19 1. On October 1, 2013, disc filter #1 failed. Troubleshooting determined a failed UPS within
20 the control panel. Temporarily rewired disc filter controls are allowing for operations should the
21 filter be required.

22 2. On October 1, 2013, identified three (3) of four (4) actuators for the intake louver located
23 within the SBR building blower room were not functioning as intended. Replacement of the
24 failed actuators is recommended.

25 3. On October 4, 2013, Allied Control Services (ACS) was on site to calibrate flow meters and
26 charts.

27 4. On October 4, 2013, Lenni Electric was on site and replaced the three (3) influent pump
28 electrical service disconnects located at the influent wet well.

29 5. On October 8, 2013, the replacement UPS for disc filter #1 was installed. The disc filter was
30 returned to service.

31 6. On October 14, 2013, disc filter #1 backwash cycle run times were observed to be excessive
32 and atypical. Troubleshooting determined that the level transducer failed.

33 7. On October 16, 2013, the telescopic valve for sludge tank #1 was observed to have a limited
34 travel distance and not achieving the full travel distance of approx. 4 feet. The vendor will be
35 contacted to investigate adjusting the telescopic valve control points to achieve the full travel
36 distance.

37 8. On October 28, 2013, the replacement level transducer for disc filter #1 was installed. The
38 disc filter was returned to service.

39 9. On October 28, 2013, the Siemens HIM Control panel date was observed to be incorrect.
40 The HIM Date and time were updated; however, the changes were observed to have returned to
41 an incorrect date on the following day. Gary Roberts from ICI will be contacted.

42 10. During the month of October, SBR #3 decanter was observed to have risen partially or
43 completely out of the SBR water surface. The decanter was regularly filled with a return to its
44 desired position within the SBR basin. Paul Christensen from Siemens will be contacted to assist
45 towards identifying conditions which would result in the decanter's position being above the
46 water surface.

1 Scott provided a copy of the NPDES Compliance Inspection Report.

2
3 **Adjournment**

4 There being no further business, Jack moved to adjourn the meeting. Dana seconded the motion.
5 The motion passed unanimously. The meeting was adjourned at 7:40 pm.
6

7 Respectfully submitted,
8
9

10 Ruth Kiefer

11 Recording Secretary



Gawthrop Greenwood, PC
Attorneys at Law

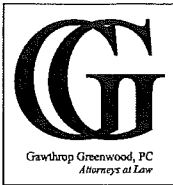
17 East Gay Street, Suite 100 (p) 610-696-822
West Chester, PA 19381-0562 (f) 610-344-092
gglaw@gawthrop.com www.gawthrop.c

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
10/31/2013
Client No: 6604D

| Previous Balance | Fees | Expenses | Payments | Balance |
|--|-----------------|--------------|------------------|-------------------|
| 6604-001 General Authority Services | | | | |
| 220.00 | 500.00 | 0.00 | -220.00 | \$500.00 |
| 6604-009 DE Valley Regional Finance Auth. \$2,500,000 Loan | | | | |
| 2,500.00 | 780.00 | 51.71 | -2,500.00 | \$831.71 |
| <u>2,720.00</u> | <u>1,280.00</u> | <u>51.71</u> | <u>-2,720.00</u> | <u>\$1,331.71</u> |

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



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100 (p) 610-696-822
West Chester, PA 19381-0562 (f) 610-344-092
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East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
10/31/2013
Client No: 6604-001M
Invoice No. 113959

General Authority Services

Fees

Hours

| | | | | |
|------------|-----|--|------|--------|
| 10/11/2013 | RFA | Review packet for Authority meeting of 10/14/13. | 0.50 | |
| 10/14/2013 | RFA | Attend regular meeting of Authority. | 2.00 | |
| | | For Current Services Rendered | 2.50 | 500.00 |

Recapitulation

| Timekeeper | Hours | Hourly Rate | Total |
|-----------------------|---------|-------------|-----------------|
| Robert F. Adams | 2.50 | \$200.00 | \$500.00 |
| Previous Balance | | | \$220.00 |
| Total Current Charges | | | 500.00 |
| 10/17/2013 | Payment | | -220.00 |
| Balance Due | | | <u>\$500.00</u> |

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your check when returning payment. Thank You.
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charged on balances not paid 60 days after the invoice date.



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East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
10/31/2013
Client No: 6604-009D
Invoice No. 113960

DE Valley Regional Finance Auth. \$2,500,000 Loan

Fees

| | | | Hours | |
|------------|-----|---|-------|--------|
| 10/15/2013 | RFA | Draft fifth supplemental lease between Authority and Township regarding 2013 guaranteed sewer revenue notes. | 1.80 | 360.00 |
| 10/16/2013 | RFA | Review and revise fifth supplemental lease. | 0.50 | 100.00 |
| 10/17/2013 | RFA | Review message from L Calhoun regarding project description for fifth amendment to lease. | 0.30 | 60.00 |
| 10/21/2013 | RFA | Draft revision to fifth supplemental lease regarding project improvements. | 0.40 | 80.00 |
| 10/22/2013 | RFA | Message to R Smith and K Camp regarding fifth supplemental lease between Township and Authority. | 0.30 | 60.00 |
| 10/23/2013 | RFA | Review changes to fifth supplemental lease by R Smith; Message to R Smith and K Camp regarding final revisions. | 0.60 | 120.00 |
| | | For Current Services Rendered | 3.90 | 780.00 |

Recapitulation

| <u>Timekeeper</u> | <u>Hours</u> | <u>Hourly Rate</u> | <u>Total</u> |
|-------------------|--------------|--------------------|--------------|
| Robert F. Adams | 3.90 | \$200.00 | \$780.00 |

Expenses

| | |
|---|-------|
| Federal Express Corporation - R Adams to Carmen Belefonte | 51.71 |
| Total Expenses | 51.71 |

East Goshen Municipal Authority

Page: 2

10/31/2013

Client No:

6604-009D

Invoice No.

113960

DE Valley Regional Finance Auth. \$2,500,000 Loan

| | |
|------------------|------------|
| Previous Balance | \$2,500.00 |
|------------------|------------|

| | |
|-----------------------|--------|
| Total Current Charges | 831.71 |
|-----------------------|--------|

| | | |
|------------|-------------|-----------|
| 10/16/2013 | Fee Payment | -2,500.00 |
|------------|-------------|-----------|

| | |
|-------------|-----------------|
| Balance Due | <u>\$831.71</u> |
|-------------|-----------------|

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



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 569529
Invoice Date : 11/18/2013
Project : EGMA1301
Project Name : 2013 General Services

For Services Rendered through: 11/3/2013

Attended October Municipal Authority meeting; and reviewed DEP's response letter regarding Applebrook GW monitoring and coordinated report submission schedule with Township.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

| | |
|---------------|--------|
| Labor : | 367.50 |
| Expense : | 0.00 |
| Phase Total : | 367.50 |

Amount Due This Invoice

\$367.50

| | |
|--------------------|-----------|
| Fee : | 13,000.00 |
| Prior Billings : | 10,400.00 |
| Current Billings : | 367.50 |
| Total Billings : | 10,767.50 |

Phase : **** -- Professional Services

Labor

| Class | Hours/ Units | Rate | Amount |
|-----------------|-----------------|--------|--------|
| Senior Engineer | 3.50 | 105.00 | 367.50 |
| Labor Total: | 3.50 | | 367.50 |

Total Phase : **** -- Professional Services

| | |
|-----------|----------|
| Labor : | \$367.50 |
| Expense : | \$0.00 |

Total Project : EGMA1301 -- 2013 General Services

| | |
|-----------|----------|
| Labor : | \$367.50 |
| Expense : | \$0.00 |

RS 12/6/13

East Goshen Municipal Authority
EGMA1301 Invoice Summary
Invoice Date 11/18/2013

Project : 2013 General Services
Pennoni Job No. : EGMA1301
Invoice No. : 569529
Invoice Period : 10/14/2013 to 11/03/2013
Initial Authorization : \$ 10,000.00 Date : 1/9/2013
Changes : \$ 3,000.00 Date :
Contract Amount : \$ 13,000.00
Previously Invoiced : \$ 10,400.00
Current Invoice : \$ 367.50
Invoiced to Date (\$) : \$ 10,767.50
Invoiced to Date (%) : 82.8%
Remaining Budget (\$) : \$ 2,232.50
Remaining Budget (%) : 17.2%

Budget by Phase :

Phase No.

2013 General

Phase Name :

Services

Phase Budget : \$ 13,000.00
Previously Invoiced : \$ 10,400.00
Current Invoice : \$ 367.50
Invoiced to Date (\$) : \$ 10,767.50
Invoiced to Date (%) : 82.8%
Remaining Budget (\$) : \$ 2,232.50
Remaining Budget (%) : 17.2%

Comments : Prepared self-liquidating debt certification and 20-year financial projections for Authority for \$2.5M borrowing in coordination w/ J. Altshul and Calhoun-Baker; prepared Engineers Report for September MA meeting; attended August and September MA meetings; coordinated Hershey Mill PS Muffin Monster start-up assistance and inspection with Township and supplier.



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 569530
Invoice Date : 11/18/2013
Project : EGMA1302
Project Name : 2013 Semi-Annual I&I Reports

For Services Rendered through: 11/3/2013

FINAL INVOICE

Finalized semi-annual I/I report.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

| | |
|---------------|--------|
| Labor : | 401.50 |
| Expense : | 0.00 |
| Phase Total : | 401.50 |

Amount Due This Invoice

\$401.50

| | |
|--------------------|-----------|
| Fee : | 10,000.00 |
| Prior Billings : | 9,594.00 |
| Current Billings : | 401.50 |
| Total Billings : | 9,995.50 |

Phase : **** -- Professional Services

Labor

| Class | Hours/ Units | Rate | Amount |
|-------------------|-----------------|-------|--------|
| Graduate Engineer | 5.50 | 73.00 | 401.50 |
| Labor Total: | 5.50 | | 401.50 |

Total Phase : **** -- Professional Services

| | |
|-----------|----------|
| Labor : | \$401.50 |
| Expense : | \$0.00 |

Total Project : EGMA1302 -- 2013 Semi-Annual I&I Reports

| | |
|-----------|----------|
| Labor : | \$401.50 |
| Expense : | \$0.00 |

RS 12/6/17

East Goshen Municipal Authority
EGMA1302 Invoice Summary
Invoice Date 11/18/2013

Project : 2013 Semi-Annual I&I Reports
Pennoni Job No. : EGMA1302
Invoice No. : 569530
Invoice Period : 10/14/2013 to 11/03/2013
Initial Authorization : \$ 10,000.00 Date : 1/16/2013
Changes : \$ - Date :
Contract Amount : \$ 10,000.00
Previously Invoiced : \$ 9,594.00
Current Invoice : \$ 401.50
Invoiced to Date (\$) : \$ 9,995.50
Invoiced to Date (%) : 99.9%
Remaining Budget (\$) : \$ 4.50
Remaining Budget (%) : 0.1%

Budget by Phase :

Phase No.

2013 Semi-
Annual I&I

Phase Name :

Phase Budget : \$ 10,000.00
Previously Invoiced : \$ 9,594.00
Current Invoice : \$ 401.50
Invoiced to Date (\$) : \$ 9,995.00
Invoiced to Date (%) : 99.9%
Remaining Budget (\$) : \$ 4.50
Remaining Budget (%) : 0.1%

Comments : Analyzed portable meter data; obtained records of maintenance work and repairs, and began preparation of semi-annual I/I report.



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice #: 569531
Invoice Date: 11/18/2013
Project: EGMA1306
Project Name: Reserve PS Diversion Construction
P

For Services Rendered through: 11/3/2013

Performed part-time on-site construction observation of sewer installation, manhole and sewer testing, diversion of wastewater into new sewer, pump station demolition, and site restoration; prepared punchlist; and reviewed preconstruction video to confirm damage to curbing was not caused by contractor.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

| | |
|---------------|----------|
| Labor : | 3,031.25 |
| Expense : | 0.00 |
| Phase Total : | 3,031.25 |

Amount Due This Invoice

\$3,031.25

| | |
|--------------------|-----------|
| Fee : | 20,000.00 |
| Prior Billings : | 10,498.50 |
| Current Billings : | 3,031.25 |
| Total Billings : | 13,529.75 |

Phase : **** -- Professional Services

Labor

| Class | Hours/ Units | Rate | Amount |
|---------------------------|-----------------|--------|----------|
| Senior Engineer | 5.75 | 105.00 | 603.75 |
| Technical Specialist | 29.00 | 75.00 | 2,175.00 |
| Graduate Engineer | 0.50 | 73.00 | 36.50 |
| Engineering Technician II | 3.00 | 72.00 | 216.00 |
| Labor Total: | 38.25 | | 3,031.25 |

Total Phase : **** -- Professional Services

| | |
|-----------|------------|
| Labor : | \$3,031.25 |
| Expense : | \$0.00 |

Total Project : EGMA1306 -- Reserve PS Diversion Construction P

| | |
|-----------|------------|
| Labor : | \$3,031.25 |
| Expense : | \$0.00 |

RS 12/6/13

East Goshen Municipal Authority
EGMA1306 Invoice Summary
Invoice Date 11/18/2013

Project : Reserve PS Diversion Construction
Pennoni Job No. : EGMA1306
Invoice No. : 569531
Invoice Period : 10/14/2013 to 11/03/2013
Initial Authorization : \$ 20,000.00 Date : 1/16/2013
Changes : \$ - Date :
Contract Amount : \$ 20,000.00
Previously Invoiced : \$ 10,498.50
Current Invoice : \$ 3,031.25
Invoiced to Date (\$) : 13,529.75
Invoiced to Date (%) : 67.6%
Remaining Budget (\$) : \$ 6,470.25
Remaining Budget (%) : 32.4%

Budget by Phase :

Phase No.

Professional

Phase Name :

Services

Phase Budget : \$ 20,000.00
Previously Invoiced : \$ 10,498.50
Current Invoice : \$ 3,031.25
Invoiced to Date (\$) : \$ 13,529.75
Invoiced to Date (%) : 67.6%
Remaining Budget (\$) : \$ 6,470.25
Remaining Budget (%) : 32.4%

Comments : Performed part-time on-site construction observation of clearing and installation of E&S controls; performed pre-construction tasks including issuing Notice to Proceed with Construction, attending a pre-construction meeting, reviewing shop drawings, preparing survey CAD file for contractor's stakeout, and notification to County Conservation District of project start.



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 569532
Invoice Date : 11/18/2013
Project : EGMA1307
Project Name : Reservoir Rd PS Act 537 Planning

For Services Rendered through: 11/3/2013

Continued field survey of existing conditions and topography along proposed force main route on Strasburg Road; began preparation of existing conditions plan; and initiated Act 537 Plan alternatives analysis of force main routing locations & extents and gravity interceptor sewer upgrades.

Phase : 02 -- Existing Conditions Survey

Total Phase : 02 -- Existing Conditions Survey

| | |
|---------------|----------|
| Labor : | 3,981.50 |
| Expense : | 0.00 |
| Phase Total : | 3,981.50 |

Phase : 03 -- Act 537 Plan Update

Total Phase : 03 -- Act 537 Plan Update

| | |
|---------------|--------|
| Labor : | 395.00 |
| Expense : | 0.00 |
| Phase Total : | 395.00 |

Amount Due This Invoice

\$4,376.50

RS 12/6/13

Continued on next page...

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

...Continued from previous page

Phase : 02 -- Existing Conditions Survey

| Labor | | | |
|--------------------------|-------------------------|-------------|-----------------|
| <i>Class</i> | <i>Hours/ Units</i> | <i>Rate</i> | <i>Amount</i> |
| Principal Surveyor | 11.50 | 105.00 | 1,207.50 |
| Senior Survey Technician | 16.00 | 82.00 | 1,312.00 |
| Survey Technician | 21.50 | 68.00 | 1,462.00 |
| Labor Total: | 49.00 | | 3,981.50 |

Total Phase : 02 -- Existing Conditions Survey**Labor : \$3,981.50****Expense : \$0.00****Phase : 03 -- Act 537 Plan Update**

| Labor | | | |
|---------------------|-------------------------|-------------|---------------|
| <i>Class</i> | <i>Hours/ Units</i> | <i>Rate</i> | <i>Amount</i> |
| Senior Engineer | 1.50 | 105.00 | 157.50 |
| Project Engineer | 2.50 | 95.00 | 237.50 |
| Labor Total: | 4.00 | | 395.00 |

Total Phase : 03 -- Act 537 Plan Update**Labor : \$395.00****Expense : \$0.00****Total Project : EGMA1307 -- Reservoir Rd PS Act 537 Planning****Labor : \$4,376.50****Expense : \$0.00**

East Goshen Municipal Authority
EGMA1307 Invoice Summary
Invoice Date 11/18/2013

Project : Reservoir Rd PS Act 537 Planning
Pennoni Job No. : EGMA1307
Invoice No. : 569532
Invoice Period : 10/14/2013 to 11/03/2013
Initial Authorization : \$ 77,400.00 Date : 1/16/2013
Changes : \$ - Date :
Contract Amount : \$ 77,400.00
Previously Invoiced : \$ 20,076.25
Current Invoice : \$ 4,376.50
Invoiced to Date (\$) : \$ 22,452.75
Invoiced to Date (%) : 31.59%
Remaining Budget (\$) : \$ 54,947.25
Remaining Budget (%) : 68.41%

Budget by Phase :

Phase No.

Professional

Phase Name :

Services

Phase Budget : \$ 77,400.00
Previously Invoiced : \$ 20,076.25
Current Invoice : \$ 4,376.50
Invoiced to Date (\$) : \$ 22,452.75
Invoiced to Date (%) : 31.59%
Remaining Budget (\$) : \$ 54,947.25
Remaining Budget (%) : 68.41%

omments : Performed preliminary data gathering and research for wetlands delineation and field survey, and initiated preparation of Act 537 Plan report.



December 3, 2013

EGMA 1400

Rick Smith, Township Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

Re: Fee Schedule for Year 2014 and Annual Services
East Goshen Township Municipal Authority
Chester County, Pennsylvania

Dear Rick:

Pennoni Associates Inc. is proud to serve East Goshen Municipal Authority as a client, and we look forward to working with you again in 2014. We have enjoyed the challenging projects this year, and we cherish the relationships we have formed with the Authority, the Township, and the community. We respectfully request reappointment as Authority Engineer for 2014.

The proposed rates shown below for 2014 include a modest adjustment for certain classifications while other classifications remain unchanged. The rate for Authority Engineer, which was last adjusted in 2011, includes an approximately 3% increase from \$110/hr to \$113/hr. The rates for Senior Engineer, Staff Engineer, and Engineering Technician II, which were last adjusted in 2010, include 3% to 4% increases. These increases are: Senior Engineer from \$105/hr to \$108/hr, Staff Engineer from \$85/hr to \$88/hr, and Engineering Technician II from \$72/hr to \$75/hr. The Graduate Engineer rate is proposed to increase approximately 3% from \$73/hr to \$75/hr. The rates for Project Engineer, Associate Engineer, and Engineering Technician I remain unchanged.

While our company has many employee classifications, these are the classifications most frequently utilized in performing tasks for our municipal clients. We assign the most appropriate level staff competent to perform the work effort requested. Please note that we have added classifications for Senior Survey Technician and Survey Technician to this list for 2014, which include approximately 3% increases over rates previously billed for these classifications but which were not formally included in the rates schedule. The rate for a 2-Person Survey Crew is the sum of these two classifications at \$156/hr.

| | |
|--------------------------------|----------|
| Authority Engineer..... | \$113/hr |
| Senior Engineer..... | \$108/hr |
| Project Engineer..... | \$95/hr |
| Staff Engineer | \$88/hr |
| Associate Engineer..... | \$83/hr |
| Graduate Engineer | \$75/hr |
| Engineering Technician II..... | \$75/hr |
| Engineering Technician I..... | \$65/hr |
| Senior Survey Technician..... | \$86/hr |
| Survey Technician | \$70/hr |

As part of our responsibilities to the Authority as the Appointed Engineer, we will provide the following professional services to the Authority:

- Participation in monthly meetings of the Authority Board
- Preparation of the semi-annual sewer report in March and September.
- Continuing support in I&I reduction with sewer meter data review and periodic reports internal to the Authority.
- Preparation of the annual Chapter 94 Municipal Waste Load Management Reports.
- Consultation on issues on behalf of the Authority

The estimated total fee for annual services is \$35,000, to be billed on an hourly basis at the above rates. We have allocated the budget as follows. The estimated fee for each activity fees has been increased by approximately 3% from the respective 2013 fee.

- | | |
|---|----------|
| • Monthly meetings and general consultation | \$10,300 |
| • Semi-annual I/I reports | \$10,300 |
| • Chapter 94 reports | \$14,400 |

Similar to previous years, we will establish separate accounts for each project listed above, and each project will be invoiced separately. Other projects outside of general services, as requested, will be proposed separately and at the approved rates schedule. We look forward to serving the Authority in 2014. If you have any questions, please feel free to contact me at (302) 655-4451.

Sincerely,

PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Authority Engineer

Memo

To: Municipal Authority
From: Jon Altshul
Re: 2014 Municipal Authority Proposed Budget
Date: November 18, 2013

Attached please find a proposed 2014 budget for the Municipal Authority.

Revenues

- This budget proposes revenues of \$147,471, including \$124,000 from Chester Creek Tapping Fees (Goshen Meadows) & \$21,444 from Ridley Creek Tapping Fees (Colonial Lane).
- Because of the projected tapping fees, no transfer from the sewer operating fund is necessary to cover administrative expenses.
- Interest income is projected to increase sharply as a result of the proceeds of the 2013 notes that will not be spent until 2015.

Expenses

- Auditing expenses in 2014 are expected to increase to \$10,800 to reflect additional work surrounding the sale of the 2013 DeVal notes.
- \$35,525 is budgeted for miscellaneous operating engineering services.
- \$75,000 is budgeted for engineering for the new Reservoir Road pump station project, which will be paid for from the proceeds of the 2013 bonds.

The projected fund balance at the end of 2014 is expected to be \$1,632,577. The majority of this amount (\$1.525 million) will represent the remaining balance of the proceeds from the 2013 notes, which will be spent on the Reservoir Road pump station construction in 2015.

I recommend that the Municipal Authority approve the proposed budget.

MUNICIPAL AUTHORITY-2014 PROPOSED BUDGET

| Account Title | Acct # | 2013 Budget | YTD Actual through 9/30/13 | 2013 Year- End Projection | 2014 Proposed | \$ Increase 2013 Proj- 2014 Prop | % Increase 2013 Proj- 2014 Prop |
|-------------------------------------|------------|------------------|----------------------------------|---------------------------------|------------------|--|---------------------------------------|
| BEGINNING FUND BALANCE | | 61,884 | 61,884 | 61,884 | 1,677,433 | | |
| REVENUE | | | | | | | |
| INTEREST EARNINGS | 07341 1000 | 50 | 24 | 27 | 27 | - | - |
| INTEREST EARNED - RCSTP EXPANSION | 07341 1020 | 50 | 34 | 40 | 2,000 | 1,960 | 4900% |
| C.C. TAPPING FEES | 07364 1100 | 128,000 | - | - | 124,000 | 124,000 | |
| R.C.TAPPING FEES | 07364 1110 | 2,000 | 13,292 | 13,292 | 21,444 | 8,152 | 61% |
| CONNECTION FEES - SEWER | 07364 1130 | - | 1,690 | 1,690 | | (1,690) | |
| MISCELLANEOUS REVENUE | 07380 1000 | 1,000 | 423 | 500 | | (500) | |
| TRANSFER FROM SEWER OPERATING | 07392 0500 | 121,696 | 39,000 | 126,606 | - | (126,606) | |
| LOAN PROCEEDS-SEWER PROJECT | 07392 0804 | 992,470 | - | 2,490,000 | - | (2,490,000) | |
| TRANSFER FROM SEWER CAP RESERVE | 07392 0900 | 829,769 | 563,000 | 856,801 | - | (856,801) | |
| TOTAL REVENUE | | 2,075,035 | 617,463 | 3,488,956 | 147,471 | (3,341,485) | -96% |
| EXPENSES | | | | | | | |
| ADMINISTRATIVE WAGES | 07424 1400 | 33,547 | 23,941 | 31,921 | 32,768 | 847 | 3% |
| MISCELLANEOUS EXPENSE | 07424 3000 | 5,000 | 1,578 | 3,000 | 4,000 | 1,000 | 33% |
| MUNIC.AUTH.-AUDITING | 07424 3110 | 8,843 | 8,100 | 8,100 | 10,800 | 2,700 | 33% |
| ENGINEERING SERVICES | 07424 3130 | 35,000 | 32,146 | 42,862 | 35,525 | (7,337) | -17% |
| LEGAL SERVICES | 07424 3140 | 7,000 | 10,661 | 14,000 | 7,000 | (7,000) | -50% |
| MANHOLE COVER REPLACEMENTS | 07424 7405 | 17,000 | - | 17,000 | - | (17,000) | |
| C.C. CAPITAL- COLLECTION | 07424 7420 | 100,000 | - | 100,000 | | (100,000) | |
| R.C. CAPITAL-STP | 07424 7440 | - | - | - | | - | |
| R.C. CAPITAL - COLLECTION | 07424 7450 | - | - | - | | - | |
| R.C.-CAP. PROJ.-ENGINEER | 07424 7451 | - | - | - | | - | |
| R.C. CAP EXPANSION GEN'L CONTRACTOR | 07424 7452 | - | - | - | | - | |

| | | | | | | |
|---------------------------------------|------------|-----------|----------|-----------|-----------|-------------|
| R.C. CAP EXPANSION - ELECTRICAL | 07424 7453 | - | - | - | - | - |
| R.C. CAP EXP CONTINGENCY CAPITAL | 07424 7454 | - | - | - | - | - |
| R.C. CAP EXP CONTINGENCY ONGOING | 07424 7455 | - | - | - | - | - |
| LOCHWOOD ABANDONMENT ENGINEER | 07424 7475 | - | 5,563 | 5,563 | (5,563) | |
| LOCHWOOD ABANDONMENT CONSTRUCTION | 07424 7476 | 55,769 | 49,796 | 55,769 | (55,769) | |
| LOCHWOOD ELIMINATION PHASE 2 | 07424 7477 | - | 12,166 | 12,166 | (12,166) | |
| MARYDELL PUMP STATION - ENGINEER | 07425 1000 | 31,000 | 51,304 | 51,304 | (51,304) | |
| MARYDELL PUMP STATION -CONSTRUCTION | 07425 2000 | 250,000 | 228,317 | 250,000 | (250,000) | |
| HERSHEY MILL STATION - ENGINEER | 07426 1000 | 35,000 | 25,042 | 35,000 | (35,000) | |
| HERSHEY MILL STATION - CONSTRUCTION | 07426 2000 | 180,000 | 159,763 | 180,000 | (180,000) | |
| RESERVE PUMP STATION - ENGINEER | 07427 1000 | 25,000 | 19,594 | 25,000 | (25,000) | |
| RESERVE PUMP STATION - CONSTRUCTION | 07427 2000 | 125,000 | - | 125,000 | (125,000) | |
| RESERVOIR PUMP STATION - ENGINEER | 07428 1000 | - | - | - | 75,000 | 75,000 |
| RESERVOIR PUMP STATION - CONSTRUCTION | 07428 2000 | - | - | - | - | - |
| M.C.-DVRFA-DEBT SERVICE | 07471 1000 | 20,720 | - | 20,720 | 22,120 | 1,400 |
| M.C.-DVRFA-INTEREST PAYMIN | 07472 1000 | 6,003 | - | 6,003 | 5,115 | (888) |
| M.A.-R.C. INTEREST | 07472 1010 | 5,583 | - | - | - | - |
| TRANSFER TO AUTHORITY CAP FUND | 07492 0990 | 992,470 | - | 890,000 | (890,000) | -100% |
| TOTAL EXPENSES | | 1,932,935 | 627,971 | 1,873,407 | 192,328 | (1,681,079) |
| | | | | | | -87% |
| NET RESULT FROM OPERATIONS | | 142,100 | (10,508) | 1,615,549 | (44,857) | |
| YEAR END FUND BALANCE | | 203,984 | 51,376 | 1,677,433 | 1,632,577 | |

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

December 4, 2013

To: Municipal Authority

From: Mark Miller

Re: November 2013 Monthly Report

Meters: All meters were read on a daily basis. The portable flow meters are scheduled to be installed next week at their new locations as discussed with Mike Ellis.

Pump Stations: Were visited on a daily basis.

C.C. Collection: We found two significant breaks two weeks ago; one on Baldwin Drive approx 25 to 30,000 gallons per day. The other was on the Interceptor line 75 to 100,000 gallons per day. I found another one last week which could be another 15 to 20,000 gallons a day.

The break on the Interceptor turned out to be rather challenging, when we excavated the manhole and the line we found that the manhole had a significant crack that ran $\frac{3}{4}$'s of the way around the manhole. We also found that the manhole did not have an anti floater device and the manhole has actually tilted causing the 8" pipe to break.

Rick and I decided to backfill the manhole and order a new manhole and piping. Prior to backfilling we installed a sump pump and pipe to begin dewatering around the clock with a 4" diesel powered pump until the new manhole was delivered.

Once the manhole was delivered we built a dam in the Chester Creek to bypass the stream to alleviate the chance of the stream coming into our hole. While we made the repairs a 12" pump was utilized from Godwin Pump along with a 6" pump to bypass the Interceptor line. The crew did a good job replacing the manhole and piping which began at 8:00 am Wednesday and finishing up at 5:30 pm.

Prior to the work taking place Mike Ellis applied for an emergency repair permit from the DEP who came out to the site to make an inspection. Mike and I met them on site to go over the scope of work. One of the inspectors had a problem with us making a temporary road thru the wetlands. I explained it was necessary to get materials in and that we would restore the property when we were done.

I have attached pictures from beginning to the end including restoration.

While preparing Grand Oak and Bittersweet Developments for paving we noticed several holes missing sewer caps; several needed new piping, we replaced 8 caps.

R.C. Collection:

We will begin grouting and raising manholes new week.

R.C. Plant:

We had to pull pump #2 on the utility water system, the pump was sent to Deckmans for repairs.

Alarms:

We received a total of 28 alarms in November.

PA One Calls:

We received 85 PA One calls for the month of October.

Lateral Repairs:

8 cap replacements for the C.C. Collection



MEMORANDUM

TO: East Goshen Municipal Authority Board
Rick Smith, Township Manager

FROM: Michael Ellis, P.E.
Authority Engineer

DATE: December 5, 2013

SUBJECT: Engineer's Report

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- Pennoni continues to provide operations assistance as needed. No issues were brought to our attention in November.

Reserve PS Elimination

- We are awaiting several contract closeout documents from the contractor before we will recommend final payment including as-built plans, a letter from the geotechnical engineer confirming adequate backfill compaction within the detention basin berm, written notification that they will return in the spring to remove the filter sock along the creek, contractor's release, statement of surety, and maintenance bond.

Reservoir Road Pump Station Act 537 Plan

- We completed the topographic and existing conditions field survey of the proposed pump station parcel and proposed force main route to the tentatively proposed gravity sewer connection in Bow Tree (along Strasburg Road and N. Chester Road). We are coordinating with the various utility providers to obtain copies of their utility plans. Once these plans are received, we will finalize the existing conditions plan.
- We met with Rick Smith and Mark Miller to evaluate force main routing alternatives. The preferred approach is a variation of Alternative 2 from our November 8, 2013 alternatives memo. This alternative involves running the force main an additional approximately 3,000 l.f. to tie directly into the Ridley Creek interceptor sewer. An odor control chemical feed system would not be needed under this alternative. A cost-benefit analysis will be performed to evaluate the savings from not having an odor control system over an approx. 20 year timeframe versus the additional construction cost for a 3,000 l.f. longer force main.

A couple variations of the originally proposed force main route between the pump station site and Bow Tree will be evaluated. There are numerous major utility conflicts at the intersection of Strasburg Road and N. Chester Road so we are evaluating other force main routes to avoid this intersection that will not significantly increase construction cost (and may actually be less costly) via existing easements and/or rights-of-way. Additionally, we will be contacting the utility companies to determine what the restrictions would be for crossing and/or running parallel to their pipes and conduits.

- The additional 3,000 l.f. of force main and any alternative routing from the original scope will require additional wetlands delineations and field survey.
- We are tentatively targeting to have the utility coordination and routing determination made before the January Municipal Authority meeting.

Chester Creek Interceptor Manhole Replacement

- We assisted the Township with scope determination and emergency permitting with PADEP for the replacement of the cracked manhole on the Chester Creek interceptor sewer. Permitting included temporary stream diversion of the East Branch Chester Creek via bypass pumping.



Monthly Operations Report: November 2013

Treatment Process Operation

During October 2013, there were no exceedances of the final effluent discharge limitations for outfall 001 and Outfall 002. Table 1 illustrates the final effluent composite sample data reported for the October 2013 eDMR.

Table 1

| October 2013 - Final Effluent - Out Fall 001 | | | | | | | | | | | |
|---|--------------------------|-------------------|---------------|------|---------------|--------------------|---------------|-----------------------------|---------------|----------------|-------------|
| NPDES Permit Discharge Limitations | Flow | CBOD ₅ | | TSS | | NH ₄ -N | | Phosphorus, Total , mg/L | | Fecal Coliform | |
| | MGD Average | mg/L | lbs/ month | mg/L | lbs/ month | mg/L | lbs/ month | mg/L | lbs/ month | Geo Mean | Geo Mean |
| | 0.75 | 20 | 125 | 21 | 131 | 7 | 44 | 0.5 | 3 | 200 | 1,000 |
| | Instantaneous Maximum | 40 | | 42 | | | | | | | |
| Sample Date | | | | | | | | | | | |
| October 3, 2013 | 0.146 | 2.3 | 2.8 | 9 | 11 | 0.421 | 0.51 | 0.32 | 0.39 | 1 | 0.0000 |
| October 7, 2013 | 0.227 | 2.0 | 3.8 | 2 | 4 | 0.10 | 0.19 | 0.16 | 0.30 | 1 | 0.0000 |
| October 17, 2013 | 0.369 | 2.2 | 6.8 | 2 | 6 | 0.10 | 0.31 | 0.34 | 1.05 | 1 | 0.0000 |
| October 22, 2013 | 0.206 | 2.0 | 3.4 | 1 | 2 | 0.12 | 0.20 | 0.24 | 0.41 | 1 | 0.0000 |
| October 29, 2013 | 0.248 | 3.1 | 6.4 | 3.0 | 6 | 0.147 | 0.30 | 0.34 | 0.70 | 1 | 0.0000 |
| | | | | | | | | | | | |
| Average | 0.2392 | 2.3 | 4.6 | 3 | 6 | 0.177 | 0.30 | 0.28 | 0.57 | 1 | 0.0000 |
| Minimum | 0.1460 | 2.0 | 2.8 | 1 | 2 | 0.100 | 0.19 | 0.16 | 0.30 | 1 | 0.0000 |
| Maximum | 0.3690 | 3.1 | 6.8 | 9 | 11 | 0.421 | 0.51 | 0.34 | 1.05 | 1 | 0.0000 |

The monthly average total phosphorus concentration was 0.28 mg/L as compared to the discharge limitation of 0.5 mg/L. During the month, the final effluent total phosphorus concentration discharged ranged from 0.16 mg/L to 0.34 mg/L.

Flow to Applebrook, Outfall 002, continued until mid-October. Table 2 illustrates the data reported for the October 2013 eDMR.



Table 2

| October 2013 - Applebrook - Out Fall 002 | | | | | | | | | | | |
|---|--------------------------|-------------------|---------------|------|---------------|--------------------|---------------|-----------------------------|---------------|----------------|-------------|
| NPDES Permit Discharge Limitations | Flow | CBOD ₅ | | TSS | | NH ₄ -N | | Phosphorus, Total , mg/L | | Fecal Coliform | |
| | MGD Average | mg/L | lbs/ month | mg/L | lbs/ month | mg/L | lbs/ month | mg/L | lbs/ month | Geo Mean | Geo Mean |
| | 0.75 | 20 | 125 | 21 | 131 | 7 | 44 | 0.5 | 3 | 200 | 1,000 |
| | Instantaneous Maximum | 40 | | 42 | | | | | | | |
| Sample Date | | | | | | | | | | | |
| October 3, 2013 | 0.1407 | 2.3 | 2.7 | 9 | 11 | 0.421 | 0.49 | 0.32 | 0.38 | 1 | 0.0000 |
| October 7, 2013 | 0.1482 | 2.0 | 2.5 | 2 | 2 | 0.100 | 0.12 | 0.16 | 0.20 | 1 | 0.0000 |
| October 17, 2013 | 0.0000 | No Discharge | | | | | | | | | |
| October 22, 2013 | 0.0000 | | | | | | | | | | |
| October 29, 2013 | 0.0000 | | | | | | | | | | |
| Average | 0.0578 | 2.2 | 2.6 | 6 | 7 | 0.261 | 0.31 | 0.24 | 0.29 | 1 | 0.0000 |
| Minimum | 0.0000 | 2.0 | 2.5 | 2 | 2 | 0.100 | 0.12 | 0.16 | 0.20 | 1 | 0.0000 |
| Maximum | 0.1482 | 2.3 | 2.7 | 9 | 11 | 0.421 | 0.49 | 0.32 | 0.38 | 1 | 0.0000 |

Table 3 illustrates the influent wastewater pollutant loadings for October 2013. The influent loadings remained within the treatment facility design loadings.

Table 3

| October 2013 - 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 | | | | | | | | | | | |
| October 3, 2013 | 0.337 | 138 | 388 | 168 | 472 | 24.5 | 69 | 42 | 118 | 4.8 | 13 |
| October 7, 2013 | 0.462 | 178 | 500 | 150 | 421 | 33.9 | 95 | 47.9 | 135 | 6 | 17 |
| October 17, 2013 | 0.365 | 120 | 337 | 184 | 517 | 33.0 | 93 | 49.3 | 139 | 6.2 | 17 |
| October 22, 2013 | 0.338 | 181 | 509 | 156 | 438 | 31.3 | 88 | 49.6 | 139 | 6.1 | 17 |
| October 29, 2013 | 0.335 | 271 | 761 | 208 | 584 | 37.8 | 106 | 57.5 | 161.5604 | 7.9 | 22 |
| Average | 0.3675 | 178 | 499 | 173 | 487 | 32.1 | 90 | 49.3 | 138 | 6.2 | 17 |
| Minimum | 0.3352 | 120 | 337 | 150 | 421 | 24.5 | 69 | 42.0 | 118 | 4.8 | 13 |
| Maximum | 0.4620 | 271 | 761 | 208 | 584 | 37.8 | 106 | 57.5 | 162 | 7.9 | 22 |



On October 2013, Mike Brenner, Water Quality Specialist from PA DEP was on site to conduct a facility inspection. No violations were observed.

During the month of During November 2013, there are no anticipated exceedances of the permitted effluent discharge limitations. Table 4 presents the final effluent data for the month of November 2013.

Table 4

| November 2013 - Final Effluent - Out Fall 001 | | | | | | | | | | | |
|--|--------------------------|-------------------|---------------|------|---------------|--------------------|---------------|-----------------------------|---------------|----------------|-------------|
| NPDES Permit Discharge Limitations | Flow | CBOD ₅ | | TSS | | NH ₄ -N | | Phosphorus, Total , mg/L | | Fecal Coliform | |
| | MGD Average | mg/L | lbs/ month | mg/L | lbs/ month | mg/L | lbs/ month | mg/L | lbs/ month | Geo Mean | Geo Mean |
| | 0.75 | 20 | 125 | 21 | 131 | 7 | 44 | 0.5 | 3 | 200 | 1,000 |
| | Instantaneous Maximum | 40 | | 42 | | | | | | | |
| Sample Date | | | | | | | | | | | |
| November 5, 2013 | 0.353 | 2.0 | 5.9 | 3 | 9 | 0.120 | 0.35 | 0.31 | 0.91 | 1 | 0.0000 |
| November 12, 2013 | 0.318 | 2.6 | 6.9 | 5 | 13 | 0.10 | 0.27 | 0.34 | 0.90 | 1 | 0.0000 |
| November 19, 2013 | 0.395 | 2.0 | 6.6 | 3 | 10 | 0.176 | 0.58 | 0.25 | 0.82 | 1 | 0.0000 |
| November 26, 2013 | 0.403 | | | | | | | | | 1 | 0.0000 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Average | 0.3673 | 2.2 | 6.5 | 4 | 11 | 0.132 | 0.40 | 0.30 | 0.88 | 1 | 0.0000 |
| Minimum | 0.3180 | 2.0 | 5.9 | 3 | 9 | 0.100 | 0.27 | 0.25 | 0.82 | 1 | 0.0000 |
| Maximum | 0.4030 | 2.6 | 6.9 | 5 | 13 | 0.176 | 0.58 | 0.34 | 0.91 | 1 | 0.0000 |

During November, there was no discharge to Applebrook.

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility remained within the design concentrations and loadings. Composite samples are collected at the influent doghouse manhole and influent wet well. The influent flow meter reading is collected from the influent flow meter located prior to the Screening Building, excluding the internal recycle flows.

Table 6 presents the available pollutant data for the influent wastewater collected at the doghouse manhole.



Table 6

| November 2013 - 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 | | | | | | | | | | | |
| November 5, 2013 | 0.344 | 134 | 385 | 306 | 878 | 29.4 | 84 | 59.1 | 170 | 7 | 20 |
| November 12, 2013 | 0.300 | 195 | 560 | 168 | 482 | 25.8 | 74 | 41.2 | 118 | 4.6 | 13 |
| November 19, 2013 | 0.321 | 204 | 585 | 242 | 694 | 30.4 | 87 | | | 6.9 | 20 |
| November 26, 2013 | 0.465 | | | 294 | 844 | | | | | | |
| | | | | | | | | | | | |
| Average | 0.3575 | 178 | 510 | 253 | 725 | 28.5 | 82 | 50.2 | 144 | 6.2 | 18 |
| Minimum | 0.3003 | 134 | 385 | 168 | 482 | 25.8 | 74 | 41.2 | 118 | 4.6 | 13 |
| Maximum | 0.4646 | 204 | 585 | 306 | 878 | 30.4 | 87 | 59.1 | 170 | 7.0 | 20 |

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during the month of November. SBR number 2 was periodically placed in service during the week of November 25th to assist with managing influent flows when SBR number 3 effluent valve actuator was malfunctioning.

Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations remained around the same concentration as during October. Present surface area coverage during React Phase ranges from approximately 60 to 80%. The foam color remains as light to medium brown in color and averages 2 to 4 inches in depth

Daily monitoring of the influent and final effluent 24-hour composites samples for total phosphorus is ongoing. Daily analysis of the final effluent flow equalization grab sample is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs was decreased at during November. The addition of soda ash to the SBRs to assist



with maintain desired pH concentrations above 7.0 standard units continued during the month.

SBR No. 2 remains out of service as a treatment unit.

During the month, the decanter for SBR 3 was observed to have been extended above the water level. The effluent knife valve was routinely closed and the decanter filled with water to assist with lowering the decanter within the water level. The frequency of occurrence ranged from one to several occurrences during the month. If an effluent nozzle is partially or completely opened at all times, the entry of air within the decanter could occur resulting with the decanter extending above the water level. The SBR is planned to be removed from service during mid-December for inspection of the effluent decanter nozzles.

Process Monitoring On-Line Instrumentation:

Representatives from the Hach Company will be on site on December 17, 2013 at 9:00 AM to discuss the proposed pilot study of the RTC online analyzer.

Flow data:

| November 2013 | | |
|---|------------------------------------|--------------------------------|
| Flow Meter Location | Total Volume for Month, MGD | Average Daily Flow, gpd |
| Influent Wastewater to Screening Building | 10.828 | 360,938 |
| Influent Wastewater to SBRs | 11.927 | 397,552 |
| Internal Recycle | 1.098 | 36,614 |
| Treated Effluent to Disc Filters | 11.212 | 373,995 |
| Final Effluent Discharge | 10.956 | 365,210 |
| Applebrook Golf Course | 0 | 0 |

Chemical Usage:

| November 2013 | | |
|---------------------------|----------------------|----------------------|
| Chemical | Daily Average | Total Monthly |
| Soda Ash | 328 | 9,850 |
| Magnesium Hydroxide | 0 gpd | 0 gallons |
| Aluminum Sulfate solution | 63.4 | 1,902 |
| Polymer (centrifuge) | 9* | 126 gallons |

**Fourteen (14) days of centrifuge operation*



Solids Dewatering and Disposal: November 2013

| Sludge Dewatering Summary | |
|-----------------------------------|-----------------|
| Gallons of sludge dewatered | 239,579 gallons |
| Average Dewatered Total Solids, % | NA ⁺ |
| Wet Tons | NA ⁺ |
| Dry Tons | NA ⁺ |
| Number of dumpsters | 4* |

**A total of four (4) dumpsters were filled during November, however, only three (3) were removed offsite during November. The further dumpster was removed off site on December 2, 2013.*

+The solids handling data from the laboratory was unavailable at the time of preparing this report.

During the month, sludge wasting to the sludge holding tanks and decanting of the sludge holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids.

Sludge holding tank No. 1 was in service. The level at the beginning of the month was 9.82 feet and the level at the end of the month was 6.73 feet. The initial total solids concentration were 0.92% and ended the month as 0.63% total solids. Zero gallons of supernatant were decanted during the month. A total of 400 pounds of soda ash were added during the month for pH adjustment.

Sludge holding tank No. 2 was in service. The level at the beginning of the month was 9.28 feet and the level at the end of the month was 10.15 feet. The initial total solids concentration were 0.79% and ended the month as 0.86% total solids. A total of 91,875 gallons of supernatant were decanted during the month. A total of 650 pounds of soda ash were added during the month for pH adjustment.

Significant Storm Events

No significant storms were experienced during the month of November 2013.

Minor Repairs and Preventative Maintenance

- On November 9, 2013, the utility water system was removed to service. Identified no power to control panel. When power was applied, the control panel immediately tripped off. Mark Miller arranged for Lenni Electric to correct the problem.
- On November 9, 2013, replaced the sensor caps for LDO probes in SDBRs 1, 3, and 4. Calibrated LDO meters.



- On November 18, 2013, Lenni Electric on site to repair the utility water electric failure. The utility water system was returned to service with on pump online.
- On November 19, 2013, responded to Siemens panel alarm, checked home computer SBR # 3 effluent valve failed to open. Placed SBR 2 on line during troubleshooting and implementation of corrective actions. Valve return to intended operational mode.
- On November 21, 2013, responded to Siemens panel alarm for SBR 3 effluent valve failed to close. Adjusted valve and returned valve appeared to operation.
- On November 25, 2013, responded to Siemens panel alarm for SBR 4 maximum decant alarm.
- On November 27, 2013, respond to Siemens panel alarm for SBR 3 effluent valve failed to open. Valve failed to open or close through manual operation. Adjusted valve and confirm operation on hand mode. Remained on site to observe valve operate in automatic mode. Valve was observed to be functioning as intended.
- On November 29, 2013, SBR 3 valve failed to open. SBR 2 placed on line. Contacted Tri-State to arrange for a Technician to report to the facility to assist with repairing the actuator. Tri-State repaired the valve. During the visit, the motor for SBR 2 effluent actuator was determined to require replacement (SBR 2 actuator was previously the actuator from SBR 3)

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA November Financial Reports
Date: December 5, 2013

The Municipal Authority recorded \$40,337 in revenues and \$61,114 in expenses in November, a difference of -\$20,778 (rounded). The fund balance is now \$1,635,119.

\$39,686 of the expenses were related to the Reserve Pump Station and an additional \$18,057 were engineering costs associated with the Reservoir Road Pump Station. Most of the revenue came from a \$40,000 transfer from the sewer sinking fund.

Note that the beginning fund balance was revised downwards by \$12 from what was reported to you as the ending fund balance last month. This was due to a \$12 incoming wire fee assessed by Susquehanna Bank on the proceeds of the DeVal note that was not recorded until last month.

A complete list of all monthly expenses is provided.

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
November 2013

| Account Title | Acct # | Annual Budget | Month To Date Actual | Year To Date Actual |
|---------------|--------|---------------|----------------------|---------------------|
|---------------|--------|---------------|----------------------|---------------------|

MUNICIPAL AUTHORITY BEGINNING FUND BALANCE 1,655,896.70 ***

RCSTP BUDGET

| | | | | |
|-----------------------------------|------------|-------|--------|--------|
| REVENUE | | | | |
| INTEREST EARNED - RCSTP EXPANSION | 07341 1020 | 50.00 | 135.06 | 270.14 |
| GRANT REVENUE | 07392 0800 | 0.00 | 0.00 | 0.00 |
| TOTAL REVENUE | | 50.00 | 135.06 | 270.14 |

| | | | | |
|-------------------------------------|------------|------------|------|------------|
| EXPENSES | | | | |
| R.C.-CAP. PROJ.-ENGINEER | 07424 7451 | 0.00 | 0.00 | 0.00 |
| R.C. CAP EXPANSION GEN'L CONTRACTOR | 07424 7452 | 0.00 | 0.00 | 0.00 |
| R.C. CAP EXPANSION - ELECTRICAL | 07424 7453 | 0.00 | 0.00 | 0.00 |
| R.C. CAP EXP CONTINGENCY CAPITAL | 07424 7454 | 0.00 | 0.00 | 0.00 |
| R.C. CAP EXP CONTINGENCY ONGOING | 07424 7455 | 0.00 | 0.00 | 0.00 |
| R.C. CAP EXP ADDITIONAL CONTINGENCY | 07424 7456 | 0.00 | 0.00 | 0.00 |
| TRANSFER TO SEWER SINKING FUND | 07492 0550 | 0.00 | 0.00 | 877,000.00 |
| TRANSFER TO AUTHORITY CAP FUND | 07492 0990 | 992,470.00 | 0.00 | 0.00 |
| TOTAL EXPENSES | | 992,470.00 | 0.00 | 877,000.00 |

| | | | | |
|------------------|--|--------------|--------|--------------|
| RCSTP NET RESULT | | (992,420.00) | 135.06 | (876,729.86) |
|------------------|--|--------------|--------|--------------|

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
November 2013

| Account Title | Acct # | Annual Budget | Month To Date Actual | Year To Date Actual |
|-------------------------------|------------|-------------------|----------------------|---------------------|
| OPERATING BUDGET | | | | |
| REVENUE | | | | |
| INTEREST EARNINGS | 07341 1000 | 50.00 | 1.58 | 26.63 |
| C.C. TAPPING FEES | 07364 1100 | 128,000.00 | 200.00 | 200.00 |
| R.C.TAPPING FEES | 07364 1110 | 2,000.00 | 0.00 | 13,292.00 |
| CONNECTION FEES - SEWER | 07364 1130 | 0.00 | 0.00 | 1,689.64 |
| MISCELLANEOUS REVENUE | 07380 1000 | 1,000.00 | 0.00 | 423.36 |
| TRANSFER FROM SEWER OPERATING | 07392 0500 | 121,696.00 | 0.00 | 65,000.00 |
| TOTAL REVENUE | | 252,746.00 | 201.58 | 80,631.63 |
| EXPENSES | | | | |
| ADMINISTRATIVE WAGES | 07424 1400 | 33,547.00 | 0.00 | 23,941.08 |
| MISCELLANEOUS EXPENSE | 07424 3000 | 5,000.00 | 0.00 | 1,690.13 |
| MUNIC.AUTH.-AUDITING | 07424 3110 | 8,843.00 | 0.00 | 8,100.00 |
| ENGINEERING SERVICES | 07424 3130 | 35,000.00 | 2,039.50 | 37,306.25 |
| LEGAL SERVICES | 07424 3140 | 7,000.00 | 1,331.71 | 12,212.73 |
| M.C.-DVRFA-DEBT SERVICE | 07471 1000 | 20,720.00 | 0.00 | 0.00 |
| M.C.-DVRFA-INTEREST PAYMN | 07472 1000 | 6,003.00 | 0.00 | 0.00 |
| M.C.-DVRFA-INTEREST PAYMN | 07472 1010 | 5,583.00 | 0.00 | 0.00 |
| TOTAL EXPENSES | | 121,696.00 | 3,371.21 | 83,250.19 |
| OPERATING NET RESULT | | 131,050.00 | (3,169.63) | (2,618.56) |

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
November 2013

| Account Title | Acct # | Annual Budget | Month To Date Actual | Year To Date Actual |
|---------------|--------|---------------|----------------------|---------------------|
|---------------|--------|---------------|----------------------|---------------------|

CAPITAL BUDGET

REVENUE

| | | | | |
|---------------------------------|------------|------------|-----------|--------------|
| LOAN PROCEEDS-SEWER PROJECT | 07393 1001 | 992,470.00 | 0.00 | 2,477,000.00 |
| TRANSFER FROM SEWER CAP RESERVE | 07392 0900 | 829,769.00 | 40,000.00 | 662,000.00 |

| | | | | |
|----------------------|--|---------------------|------------------|---------------------|
| TOTAL REVENUE | | 1,822,239.00 | 40,000.00 | 3,139,000.00 |
|----------------------|--|---------------------|------------------|---------------------|

EXPENSES

| | | | | |
|-------------------------------------|------------|------------|-----------|------------|
| MARYDELL PUMP STATION - ENGINEER | 07425 1000 | 31,000.00 | 0.00 | 51,303.74 |
| MARYDELL PUMP STATION -CONSTRUCTION | 07425 2000 | 250,000.00 | 0.00 | 228,317.41 |
| MANHOLE COVER REPLACEMENTS | 07424.7405 | 17,000.00 | 0.00 | 0.00 |
| C.C. CAPITAL - COLLECTION | 07424.7420 | 100,000.00 | 0.00 | 0.00 |
| LOCHWOOD ABANDONMENT ENGINEER | 07424 7475 | 0.00 | 0.00 | 5,562.75 |
| LOCHWOOD ABANDONMENT CONSTRUCTION | 07424 7476 | 55,769.00 | 0.00 | 49,796.16 |
| LOCHWOOD ELIMINATION PHASE 2 | 07424 7477 | 0.00 | 0.00 | 12,165.62 |
| HERSHEY MILL STATION - ENGINEER | 07426 1000 | 35,000.00 | 0.00 | 25,349.99 |
| HERSHEY MILL STATION - CONSTRUCTION | 07426 2000 | 180,000.00 | 0.00 | 167,012.62 |
| RESERVE PUMP STATION - ENGINEER | 07427 1000 | 25,000.00 | 7,597.75 | 30,092.51 |
| RESERVE PUMP STATION - CONSTRUCTION | 07427 2000 | 125,000.00 | 32,088.71 | 96,739.78 |
| RESERVOIR PUMP STATION - ENGINEER | 07428 1000 | 0.00 | 18,056.50 | 20,076.25 |
| RESERVOIR PUMP STATION CONSTRUCTION | 07428 2000 | 0.00 | 0.00 | 0.00 |

| | | | | |
|-----------------------|--|-------------------|------------------|-------------------|
| TOTAL EXPENSES | | 818,769.00 | 57,742.96 | 686,416.83 |
|-----------------------|--|-------------------|------------------|-------------------|

| | | | | |
|---------------------------|--|---------------------|--------------------|---------------------|
| CAPITAL NET RESULT | | 1,003,470.00 | (17,742.96) | 2,452,583.17 |
|---------------------------|--|---------------------|--------------------|---------------------|

MUNICIPAL AUTHORITY ENDING FUND BALANCE **1,635,119.17**

***The beginning fund balance is \$12 less than the October ending fund balance due to a \$12.00 bank fee recorded on 11/13

Report Date 12/05/13

GL Transaction Details

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MGRP18 run by BRIAN

8 : 36 AM

| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|-----|-------------------|--------|---------|-------------|----------|-------------|------|---|
| 07341-1000 | | | | | 0.00 | | | | |
| | | INTEREST EARNINGS | | | | | | | |
| | | 1301 JE 36010 | | 0.74 | | 02/05/13 | INTEREST | | INTEREST EARNED JANUARY 2013 07 FUND |
| | | | 0.00 | 0.74 | -0.74 | | | | |
| | | 1302 36396 | | 0.48 | | 03/04/13 | INTEREST | | INTEREST EARNED FEB. 2013 07 FUND |
| | | | 0.00 | 0.48 | -1.22 | | | | |
| | | 1303 36759 | | 0.92 | | 04/02/13 | INTEREST | | INTEREST EARNED MARCH 2013 07 FUND |
| | | | 0.00 | 0.92 | -2.14 | | | | |
| | | 1304 37177 | | 3.20 | | 05/01/13 | INTEREST | | INTEREST EARNED APRIL 2013 07100.1000 |
| | | 37178 | | 5.60 | | 05/01/13 | INTEREST | | INTEREST EARNED APRIL 2013 07 CONTRUCTION FUND |
| | | | 0.00 | 8.80 | -10.94 | | | | |
| | | 1305 37710 | | 1.52 | | 06/04/13 | INTEREST | | INTEREST EARNED MAY 2013 07 FUND |
| | | | 0.00 | 1.52 | -12.46 | | | | |
| | | 1306 38150 | | 5.24 | | 07/02/13 | INTEREST | | INTEREST EARNED JUNE 2013 07 FUND |
| | | | 0.00 | 5.24 | -17.70 | | | | |
| | | 1307 38593 | | 2.15 | | 08/02/13 | INTEREST | | INTEREST EARNED JULY 2013 07100.1000 |
| | | | 0.00 | 2.15 | -19.85 | | | | |
| | | 1308 39012 | | 2.30 | | 09/03/13 | INTEREST | | INTEREST EARNED AUGUST 2013 07100.1000 |
| | | | 0.00 | 2.30 | -22.15 | | | | |
| | | 1309 39401 | | 1.52 | | 10/01/13 | INTEREST | | INTEREST EARNED SEPTEMBER 2013 07100.1000 |
| | | | 0.00 | 1.52 | -23.67 | | | | |
| | | 1310 39804 | | 1.38 | | 11/01/13 | INTEREST | | INTEREST EARNED OCTOBER 2013 07 FUND |
| | | | 0.00 | 1.38 | -25.05 | | | | |
| | | 1311 40135 | | 1.58 | | 12/02/13 | INTEREST | | INTEREST EARNED NOVEMBER 2013 7100.1000 |
| | | | 0.00 | 1.58 | -26.63 | | | | |
| | | | 0.00 | 26.63 | -26.63 | | | | |

East Goshen Township General Ledger

Report Date 12/05/13

GL Transaction Details

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MGRP18 run by BRIAN

8 : 37 AM

| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|------|-----------------------------------|----------|----------|-------------|----------|-------------|------|--|
| 07341-1020 | | | | | 0.00 | | | | |
| | | INTEREST EARNED - RCSTP EXPANSION | | | | | | | |
| | 1301 | 36011 | | 3.97 | | 02/05/13 | INTEREST | | INTEREST EARNED JANUARY 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 3.97 | -3.97 | | | | |
| | 1302 | 36397 | | 4.91 | | 03/04/13 | INTEREST | | INTEREST EARNED FEB.2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 4.91 | -8.88 | | | | |
| | 1303 | 36760 | | 3.97 | | 04/02/13 | INTEREST | | INTEREST EARNED MARCH 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 3.97 | -12.85 | | | | |
| | 1305 | 37711 | | 22.26 | | 06/04/13 | INTEREST | | INTEREST EARNED MAY 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 22.26 | -35.11 | | | | |
| | 1306 | 37953 | 17.88 | | | 06/20/13 | ADJUSTMENT | | ADJUSTMENT TO MAY 2013 INTEREST |
| | | 38151 | | 3.96 | | 07/02/13 | INTEREST | | INTEREST EARNED JUNE 2013 07 CONSTRUCTION FUND |
| | | | 17.88 | 3.96 | -21.19 | | | | |
| | 1307 | 38594 | | 4.66 | | 08/02/13 | INTEREST | | INTEREST EARNED JULY 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 4.66 | -25.85 | | | | |
| | 1308 | 39013 | | 4.25 | | 09/03/13 | INTEREST | | INTEREST EARNED AUGUST 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 4.25 | -30.10 | | | | |
| | 1309 | 39402 | | 4.37 | | 10/01/13 | INTEREST | | INTEREST EARNED SEPTEMBER 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 4.37 | -34.47 | | | | |
| | 1310 | 39805 | | 100.61 | | 11/01/13 | INTEREST | | INTEREST EARNED OCTOBER 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 100.61 | -135.08 | | | | |
| | 1311 | 40136 | | 135.06 | | 12/02/13 | INTEREST | | INTEREST EARNED NOVEMBER 2013 07 CONSTRUCTION FUND |
| | | | 0.00 | 135.06 | -270.14 | | | | |
| | | | 17.88 | 288.02 | -270.14 | | | | |
| 07364-1100 | | | | | 0.00 | | | | |
| | | C.C. TAPPING FEES | | | | | | | |
| | 1305 | CR 37610 | 3,600.00 | 3,600.00 | | 05/29/13 | 94 22 | 4518 | 1 CHESTER SPRINGS DEVELOPMENT CO |
| | | | 3,600.00 | 3,600.00 | 0.00 | | | | |

Report Date 12/05/13

GL Transaction Details

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MGRP18 run by BRIAN

8 : 37 AM

| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|------|-------------------------------|----------|------------|-------------|----------|-------------|--------|---|
| 07364-1100 | 1311 | CR 39954 | | 200.00 | | 11/14/13 | 3158 | 7943 1 | 1637 MANLEY RD - O'NEILL |
| | | | 0.00 | 200.00 | -200.00 | | | | |
| | | | 3,600.00 | 3,800.00 | -200.00 | | | | |
| 07364-1110 | | R.C.TAPPING FEES | | | 0.00 | | | | |
| | 1301 | JE 35931 | 2,000.00 | | | 01/30/13 | REV TRX | | REVERSE TRX #32779 TAP IN FEE FOR 913 SORRELL HILL |
| | | 35934 | | 2,000.00 | | 01/30/13 | REV TRX | | RE-REVERSE TRX 35931 FOR 913 SORRELL HILL TAP IN FEES |
| | | | 2,000.00 | 2,000.00 | 0.00 | | | | |
| | 1303 | RE 36430 | | 2,000.00 | | 03/05/13 | 36430 1 | | TAP IN FEE - 916 SORRELL HILL |
| | | 36431 | | 2,000.00 | | 03/05/13 | 36431 1 | | TAP IN FEE - 911 SORRELL HILL |
| | | | 0.00 | 4,000.00 | -4,000.00 | | | | |
| | 1305 | 37562 | | 7,148.00 | | 05/23/13 | 37562 1 | | TAP IN FEE FOR 1598 WINEBERRY |
| | | | 0.00 | 7,148.00 | -11,148.00 | | | | |
| | 1309 | CR 39373 | | 2,144.00 | | 09/30/13 | 1013 | 7875 1 | SUNNY RIDGE FARMS LLC |
| | | | 0.00 | 2,144.00 | -13,292.00 | | | | |
| | | | 2,000.00 | 15,292.00 | -13,292.00 | | | | |
| 07364-1130 | | CONNECTION FEES - SEWER | | | 0.00 | | | | |
| | 1302 | 36075 | | 423.00 | | 02/08/13 | 264 | 7195 1 | JACOBS, ROBERT & CHERYL |
| | | | | 423.00 | | 02/08/13 | 755 | 7193 1 | GEORGE SMITH & CHRISTINA CONLE |
| | | *** | 0.00 | 846.00 *** | | | | | |
| | | 36147 | | 423.00 | | 02/13/13 | 11 | 6577 1 | PAPPANO, JOSEPH & PATRICIA |
| | | | | 421.00 | | 02/13/13 | 11 | 7196 1 | PAPPANO, JOSEPH & PATRICIA |
| | | *** | 0.00 | 844.00 *** | | | | | |
| | | 36193 | | 423.00 | | 02/15/13 | 2173 | 7194 1 | STOFFLET, MICHAEL |
| | JE | 36174 | 282.24 | | | 02/14/13 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT |
| | | 36194 | 141.12 | | | 02/15/13 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT |
| | | | 423.36 | 2,113.00 | -1,689.64 | | | | |
| | | | 423.36 | 2,113.00 | -1,689.64 | | | | |
| 07380-1000 | | MISCELLANEOUS REVENUE | | | 0.00 | | | | |
| | | 36174 | | 282.24 | | 02/14/13 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT |
| | | 36194 | | 141.12 | | 02/15/13 | PINE ROCK | | ANNUAL PINE ROCK INSTALLMENT |
| | | | 0.00 | 423.36 | -423.36 | | | | |
| | | | 0.00 | 423.36 | -423.36 | | | | |
| 07392-0500 | | TRANSFER FROM SEWER OPERATING | | | 0.00 | | | | |

Report Date 12/05/13

GL Transaction Details

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MGRP18 run by BRIAN

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| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|---------------------------------|-----------|--------|------------|-------------|----------|-------------|------|--|
| 1305 | JE | 37366 | | 39,000.00 | | 05/14/13 | DEPOSIT | | DEPOSIT FUNDS FROM SEWER TO MA TO COVER OPERATING EXPENSE |
| | | | 0.00 | 39,000.00 | -39,000.00 | | | | |
| 1310 | | 39601 | | 26,000.00 | | 10/16/13 | DEPOSIT | | DEPOSIT INTO MA ACCT. FROM 05 |
| | | | 0.00 | 26,000.00 | -65,000.00 | | | | |
| | | | 0.00 | 65,000.00 | -65,000.00 | | | | |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | | | | 0.00 | | | | |
| 1302 | | 36187 | | 30,000.00 | | 02/15/13 | XFER | | XFER \$ FROM 9100.1000 TO 7100. 1000 TO COVER MA EXPENSES |
| | | | 0.00 | 30,000.00 | -30,000.00 | | | | |
| 1304 | | 36841 | | 50,000.00 | | 04/08/13 | XFER | | XFER \$ FROM 9100.1000 TO 7100.1000 |
| | | 36905 | | 60,000.00 | | 04/11/13 | XFER | | XFER \$ FROM 9100.1000 TO 7100.1000 |
| | | | 0.00 | 110,000.00 | -140,000.00 | | | | |
| 1305 | | 37361 | | 53,000.00 | | 05/14/13 | XFER | | XFER FUNDS FROM 9100.1000 TO 7100.1000 TO COVER CAP.EXP. |
| | | | 0.00 | 53,000.00 | -193,000.00 | | | | |
| 1306 | | 37789 | | 250,000.00 | | 06/10/13 | DEPOSIT | | DEPOSIT TO MUN.AUTHORITY ACCT. 7100.1000 |
| | | | 0.00 | 250,000.00 | -443,000.00 | | | | |
| 1307 | | 38158 | | 50,000.00 | | 07/02/13 | XFER | | XFER \$ TO COVER MUN.AUTHORITY CAPITAL EXPENSES |
| | | | 0.00 | 50,000.00 | -493,000.00 | | | | |
| 1308 | | 38715 | | 70,000.00 | | 08/13/13 | XFER | | XFER FROM SEWER CAPITAL RES. TO MUNICIPAL AUTHORITY |
| | | | 0.00 | 70,000.00 | -563,000.00 | | | | |
| 1310 | | 39575 | | 34,000.00 | | 10/15/13 | XFER | | XFER \$ FROM 09 TO 07 TO COVER MA CAPITAL EXPENSES |
| | | 39601 | | 25,000.00 | | 10/16/13 | DEPOSIT | | DEPOSIT INTO MA ACCT. FROM 05 |
| | | | 0.00 | 59,000.00 | -622,000.00 | | | | |
| 1311 | | 39973 | | 40,000.00 | | 11/15/13 | XFER | | XFER FUNDS FROM SEWER SINKING FUND TO MA GENERAL 11/15 |
| | | | 0.00 | 40,000.00 | -662,000.00 | | | | |
| | | | 0.00 | 662,000.00 | -662,000.00 | | | | |

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|------------|------|-----------------------------|------------------|---------|-------------|----------|-------------|------|---|
| 07393-1001 | | | | | 0.00 | | | | |
| | | LOAN PROCEEDS-SEWER PROJECT | | | | | | | |
| | 1310 | RE 39702 | 2,477,000.00 | | | 10/24/13 | 39702 1 | | 2013 DELVAL PROCEEDS |
| | | | 0.002,477,000.00 | | -2477000.00 | | | | |
| | | | 0.002,477,000.00 | | -2477000.00 | | | | |
| 07424-1400 | | | | | 0.00 | | | | |
| | | ADMINISTRATIVE WAGES | | | | | | | |
| | 1303 | CD 36711 | 7,980.36 | | | 03/28/13 | 2166 | | 425 EAST GOSHEN TOWNSHIP 1ST QTR. 2013 REIMBURSMNT TO GENE FUND |
| | | | 7,980.36 | 0.00 | 7,980.36 | | | | |
| | 1306 | 38067 | 7,980.36 | | | 06/27/13 | 2189 | | 425 EAST GOSHEN TOWNSHIP 2ND QTR. 2013 REIMBURSEMENT TO GENERAL FUND |
| | | | 7,980.36 | 0.00 | 15,960.72 | | | | |
| | 1309 | 39342 | 7,980.36 | | | 09/26/13 | 2210 | | 425 EAST GOSHEN TOWNSHIP - GENERAL 3RD QTR. 2013 REIMBURSMNT TO GEN FUND |
| | | | 7,980.36 | 0.00 | 23,941.08 | | | | |
| | | | 23,941.08 | 0.00 | 23,941.08 | | | | |
| 07424-3000 | | | | | 0.00 | | | | |
| | | MISCELLANEOUS EXPENSE | | | | | | | |
| | 1301 | 35598 | 500.00 | | | 01/03/13 | 2153 | | 2737 DEP - COMMONWEALTH OF PA NPDES PERMIT - 2013 MINOR SEWAGE FACILITY |
| | | 35783 | 950.00 | | | 01/18/13 | 2158 | | 2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2013 ACTIVE MEMBERSHIP DUES |
| | | | 1,450.00 | 0.00 | 1,450.00 | | | | |
| | 1309 | 39089 | 128.13 | | | 09/10/13 | 2208 | | 3110 COMMONWEALTH OF PENNSYLVANIA APPLICATION FEE TO DCED - MUNICI AUTHORITY DEBT ISSUANCE (\$2.5M) |
| | | | 128.13 | 0.00 | 1,578.13 | | | | |
| | 1310 | 39630 | 100.00 | | | 10/17/13 | 2214 | | 425 EAST GOSHEN TOWNSHIP - GENERAL REIMBURSE GEN.FUND FOR CREDIT CA PURCHASE FOR MA EXPENSES |
| | | JE 39918 | 12.00 | | | 11/13/13 | BANK FEE | | WIRE FEE 10/15/13 |
| | | | 112.00 | 0.00 | 1,690.13 | | | | |
| | | | 1,690.13 | 0.00 | 1,690.13 | | | | |
| 07424-3110 | | | | | 0.00 | | | | |
| | | MUNIC.AUTH.-AUDITING | | | | | | | |
| | 1307 | CD 38272 | 8,100.00 | | | 07/12/13 | 2195 | | 808 MAILLIE FALCONIERO & CO. EXAM.OF MA FINANCIAL STMTS. - 20 |

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|------------|-----|-----------|-----------|---------|-------------|----------|-------------|------|--|
| | | | 8,100.00 | 0.00 | 8,100.00 | | | | |
| | | | 8,100.00 | 0.00 | 8,100.00 | | | | |
| 07424-3130 | | | | | 0.00 | | | | |
| | | | | | | | | | ENGINEERING SERVICES |
| 1301 | | 35695 | 3,264.75 | | | 01/15/13 | 2156 | | 1052 PENNONI ASSOCIATES INC. SERV.THUR 12/9/12 2012 GEN.SERV |
| | | | 3,264.75 | 0.00 | 3,264.75 | | | | |
| 1302 | | 36119 | 1,538.75 | | | 02/12/13 | 2162 | | 1052 PENNONI ASSOCIATES INC. SERV.THUR 1/13/13 GEN.SERVICES 2 |
| | | | 1,538.75 | 0.00 | 4,803.50 | | | | |
| 1304 | | 36889 | 6,695.25 | | | 04/10/13 | 2171 | | 1052 PENNONI ASSOCIATES INC. SERVICES THRU 3/17/13 GENERAL SE |
| | | 36890 | 5,560.75 | | | 04/10/13 | 2173 | | 1052 PENNONI ASSOCIATES INC. SERVICE THRU 2/20/13 GENERAL SER |
| | | | 12,256.00 | 0.00 | 17,059.50 | | | | |
| 1305 | | 37357 | 8,215.25 | | | 05/14/13 | 2175 | | 1052 PENNONI ASSOCIATES INC. SERV.THUR 4/14/13 GENERAL SERVIC |
| | | | 8,215.25 | 0.00 | 25,274.75 | | | | |
| 1306 | | 37787 | 795.25 | | | 06/10/13 | 2186 | | 1052 PENNONI ASSOCIATES INC. SERVICE THRU 5/12/13 2013 GENER |
| | | | 795.25 | 0.00 | 26,070.00 | | | | |
| 1307 | | 38122 | 3,072.25 | | | 07/02/13 | 2192 | | 1052 PENNONI ASSOCIATES INC. SERVICES THRU 6/16/13 GENERAL SE |
| | | | 3,072.25 | 0.00 | 29,142.25 | | | | |
| 1308 | | 38761 | 1,843.75 | | | 08/15/13 | 2205 | | 1052 PENNONI ASSOCIATES INC. GENERAL SERVICES |
| | | | 1,843.75 | 0.00 | 30,986.00 | | | | |
| 1309 | | 39132 | 1,160.25 | | | 09/11/13 | 2209 | | 1052 PENNONI ASSOCIATES INC. SERVICE THRU 8/11/13 2013 GENERA SERVICES |
| | | | 1,160.25 | 0.00 | 32,146.25 | | | | |
| 1310 | | 39562 | 3,120.50 | | | 10/15/13 | 2212 | | 1052 PENNONI ASSOCIATES INC. SERV.THUR 9/15/13 2013 SEMI-ANN I&I REPORTS |
| | | | 3,120.50 | 0.00 | 35,266.75 | | | | |
| 1311 | | 39933 | 2,039.50 | | | 11/13/13 | 2217 | | 1052 PENNONI ASSOCIATES INC. SERVICE THRU 10/13/13 - GEN.SERV |
| | | | 2,039.50 | 0.00 | 37,306.25 | | | | |

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| | | | 37,306.25 | 0.00 | 37,306.25 | | | | |
| 07424-3140 | | | | | 0.00 | | | | |
| | | | | | | | | | |
| 1301 | | 35695 | 3,289.10 | | | 01/15/13 | 2155 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 11/9-11/30/12 GEN.AU |
| 1302 | | 36119 | 3,289.10 1,406.80 | 0.00 | 3,289.10 | 02/12/13 | 2161 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - JAN. 2013 GEN.AU |
| 1304 | | 36889 | 1,406.80 1,661.12 | 0.00 | 4,695.90 | 04/10/13 | 2170 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES 2/4-2/25/13 GEN.A |
| 1305 | | 37357 | 1,661.12 3,364.00 | 0.00 | 6,357.02 | 05/14/13 | 2174 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES 3/7-3/25/13 GEN.A |
| 1307 | | 38122 | 3,364.00 700.00 | 0.00 | 9,721.02 | 07/02/13 | 2191 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 5/13-5/29/13 GEN.AUT |
| 1308 | | 38761 | 700.00 240.00 | 0.00 | 10,421.02 | 08/15/13 | 2204 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES 6/21-6/26/13 |
| 1310 | | 39562 | 240.00 220.00 | 0.00 | 10,661.02 | 10/15/13 | 2211 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 9/9/13 GEN.AUTHOR |
| 1311 | | 39933 | 220.00 500.00 | 0.00 | 10,881.02 | 11/13/13 | 2216 | | 528 GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 10/11-10/14/13 GEN.A |
| | JE | 40079 | 831.71 | | | 11/25/13 | RECLASS | | RECLASS GAWTHROP INV.113960 PAYMENT |
| | | | 1,331.71 | 0.00 | 12,212.73 | | | | |
| | | | 12,212.73 | 0.00 | 12,212.73 | | | | |
| 07424-7475 | | | | | 0.00 | | | | |
| | | | | | | | | | |
| 1301 | CD | 35695 | 511.50 | | | 01/15/13 | 2156 | | 1052 PENNONI ASSOCIATES INC. SERVICES THRU 12/9/12 HERSHEY M PUMP STATION MUFFIN MONSTER |
| 1302 | | 36119 | 511.50 574.50 | 0.00 | 511.50 | 02/12/13 | 2162 | | 1052 PENNONI ASSOCIATES INC. SERV.THUR 1/13/13 H.MILL PS MUF MONSTER DESIGN |

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| | | | 574.50 | 0.00 | 1,086.00 | | | | |
| 1305 | | 37357 | 47.50 | | | 05/14/13 | 2175 | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 4/14/13 H.MILL PS MUFF MONSTER' |
| | | | 47.50 | 0.00 | 1,133.50 | | | | |
| 1306 | | 37787 | 4,429.25 | | | 06/10/13 | 2186 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 5/12/13 H.M.PS DIV CONSTRUCTION |
| | | | 4,429.25 | 0.00 | 5,562.75 | | | | |
| | | | 5,562.75 | 0.00 | 5,562.75 | | | | |
| 07424-7476 | LOCHWOOD | ABANDONMENT CONSTRUCTION | | | 0.00 | | | | |
| 1301 | | 35598 | 246.01 | | | 01/03/13 | 2152 | 317 | CONTRACTOR'S CHOICE ORANGE SAFETY FENCE, STAKES & PA |
| | | 35695 | 1,482.40 | | | 01/15/13 | 2154 | 425 | EAST GOSHEN TOWNSHIP LOCHWOOD PLANT CLOSING COSTS-LAB |
| | | 35698 | -1,482.40 | | | 01/15/13 | 2154 | 425 | EAST GOSHEN TOWNSHIP VOID CK. 2154 - DUPLICATE PAYMEN |
| | | | 246.01 | 0.00 | 246.01 | | | | |
| 1304 | | 36840 | 30,769.00 | | | 04/08/13 | 2169 | 2128 | JWC ENVIRONMENTAL CONTROLLER ASSEMBLY, HPP, & REP SUPPLIED EQUIPMENT |
| | | | 30,769.00 | 0.00 | 31,015.01 | | | | |
| 1305 | | 37649 | 424.00 | | | 05/31/13 | 2180 | 489 | FISHER & SON COMPANY INC 4 50LB BAGS - COMMERCIAL SEED |
| | | | 111.65 | | | 05/31/13 | 2181 | 739 | KNOX EQUIPMENT COMPANY MULCHER RENTAL 5/16-5/17/13 |
| | | | 5,560.00 | | | 05/31/13 | 2182 | 800 | MACANGA INC. TRUCKS & TRACK HOE USE - HAUL DI FROM WESTTOWN WAY 5/13 & 5/14/13 |
| | | | 8,010.75 | | | 05/31/13 | 2183 | 1876 | RANSOME RENTAL COMPANY LP STANDARD TRACK RENTAL 5/13-5/20/ |
| | | *** | 14,106.40 | 0.00 *** | | | | | |
| | | | 14,106.40 | 0.00 | 45,121.41 | | | | |
| 1306 | | 37771 | 99.75 | | | 06/07/13 | 2184 | 1849 | HICKS BROTHERS LLC 21 SMALL BALES STRAW |
| | | 38067 | 525.00 | | | 06/27/13 | 2188 | 1556 | CONVERY, MATTHEW GPS - RIDLEY CREEK LINE - LOCHWO CHASE AND OPEN SPACE |
| | | | 624.75 | 0.00 | 45,746.16 | | | | |
| 1308 | | 38665 | 4,050.00 | | | 08/09/13 | 2198 | 1556 | CONVERY, MATTHEW GPS OF R.C. SEWER LINE- 6/24 & 6 |

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| <hr/> | | | | | | | | | |
| | | | 4,050.00 | 0.00 | 49,796.16 | | | | |
| 1310 | | 39630 | 7,250.00 | | | 10/17/13 | 2215 | 3136 | MGR INDUSTRIES INC. INSTALLATION OF GRINDER FRAME AT HERSHEY MILL PUMP STATION |
| | JE | 39814 | | 7,250.00 | | 11/04/13 | RECLASS | | RECLASS PAYMENT FOR GRINDER PUMP. |
| <hr/> | | | | | | | | | |
| | | | 7,250.00 | 7,250.00 | 49,796.16 | | | | |
| <hr/> | | | | | | | | | |
| | | | 57,046.16 | 7,250.00 | 49,796.16 | | | | |
| <hr/> | | | | | | | | | |
| 07424-7477 | LOCHWOOD | ELIMINATION PHASE 2 | | | 0.00 | | | | |
| 1301 | CD | 35872 | 379.90 | | | 01/24/13 | 2159 | 2762 | A.J. BLOSENSKI INC. 30 YDS. ROLLOFF HAULING & LANDFI FEE |
| <hr/> | | | | | | | | | |
| | | | 379.90 | 0.00 | 379.90 | | | | |
| 1302 | | 36189 | 200.00 | | | 02/15/13 | 2165 | 2762 | A.J. BLOSENSKI INC. 30 YARD ROLLOFF HAULING FEE |
| | JE | 36105 | | 379.90 | | 02/11/13 | VOID CHECK | | VOID CK. 2159 - OVERCHARGED BY VENDOR - RETURNED CHECK |
| <hr/> | | | | | | | | | |
| | | | 200.00 | 379.90 | 200.00 | | | | |
| 1303 | CD | 36711 | 1,894.91 | | | 03/28/13 | 2167 | 425 | EAST GOSHEN TOWNSHIP 1/1-3/27/13 REIMBURSE GENERAL FU FOR LOCHWOOD PLANT CLOSING LABOR |
| <hr/> | | | | | | | | | |
| | | | 1,894.91 | 0.00 | 2,094.91 | | | | |
| 1306 | | 38067 | 10,070.71 | | | 06/27/13 | 2190 | 425 | EAST GOSHEN TOWNSHIP 2ND QTR.2013 REIMBURSMT TO GENER RE: LOCHWOOD PLANT CLOSING LABOR |
| <hr/> | | | | | | | | | |
| | | | 10,070.71 | 0.00 | 12,165.62 | | | | |
| <hr/> | | | | | | | | | |
| | | | 12,545.52 | 379.90 | 12,165.62 | | | | |
| <hr/> | | | | | | | | | |
| 07425-1000 | MARYDELL | PUMP STATION - ENGINEER | | | 0.00 | | | | |
| 1301 | | 35695 | 5,493.75 | | | 01/15/13 | 2156 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 12/9/12 MARYDELL |
| <hr/> | | | | | | | | | |
| | | | 5,493.75 | 0.00 | 5,493.75 | | | | |
| 1302 | | 36119 | 5,988.75 | | | 02/12/13 | 2162 | 1052 | PENNONI ASSOCIATES INC. SERV.THURU 1/13/13 MARYDELL PS |
| <hr/> | | | | | | | | | |
| | | | 5,988.75 | 0.00 | 11,482.50 | | | | |
| 1304 | | 36889 | 6,863.00 | | | 04/10/13 | 2171 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 3/17/13 MARYDELL P |
| | | 36890 | 2,167.75 | | | 04/10/13 | 2173 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 2/20/13 MARYDELL |

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| <hr/> | | | | | | | | | |
| | | | 9,030.75 | 0.00 | 20,513.25 | | | | |
| 1305 | | 37357 | 7,168.00 | | | 05/14/13 | 2175 | | 1052 PENNONI ASSOCIATES INC. SERV. THRU 4/14/13 MARYDELL PS |
| | | 37548 | 4,089.21 | | | 05/22/13 | 2178 | | 3084 PA DEPARTMENT OF TRANSPORTATION MARY DELL DIVERSION INSPECTION |
| <hr/> | | | | | | | | | |
| | | | 11,257.21 | 0.00 | 31,770.46 | | | | |
| 1306 | | 37787 | 7,301.00 | | | 06/10/13 | 2186 | | 1052 PENNONI ASSOCIATES INC. SERVICE THRU 5/12/13 MARYDELL P DIVERSION |
| <hr/> | | | | | | | | | |
| | | | 7,301.00 | 0.00 | 39,071.46 | | | | |
| 1307 | | 38122 | 5,803.50 | | | 07/02/13 | 2192 | | 1052 PENNONI ASSOCIATES INC. SERV. THRU 6/16/13 MARYDELL PS DI |
| <hr/> | | | | | | | | | |
| | | | 5,803.50 | 0.00 | 44,874.96 | | | | |
| 1308 | | 38761 | 1,653.75 | | | 08/15/13 | 2205 | | 1052 PENNONI ASSOCIATES INC. MARYDELL PS |
| | | 38881 | 3,671.00 | | | 08/23/13 | 2206 | | 3084 PA DEPARTMENT OF TRANSPORTATION HIGHWAY OCCUPANCY PERMITS - MARYD DIVERSION |
| <hr/> | | | | | | | | | |
| | | | 5,324.75 | 0.00 | 50,199.71 | | | | |
| 1309 | | 39088 | 235.28 | | | 09/10/13 | 2207 | | 3084 PA DEPARTMENT OF TRANSPORTATION HWY OCCUPANCY PERMITS - MARY DEL DIVERSION |
| | | 39132 | 868.75 | | | 09/11/13 | 2209 | | 1052 PENNONI ASSOCIATES INC. SERVICE THRU 8/11/13 MARYDELL PS DIVERSION |
| <hr/> | | | | | | | | | |
| | | | 1,104.03 | 0.00 | 51,303.74 | | | | |
| <hr/> | | | | | | | | | |
| | | | 51,303.74 | 0.00 | 51,303.74 | | | | |
| <hr/> | | | | | | | | | |
| 07425-2000 | | | | | 0.00 | | | | |
| | | | | | | | | | |
| 1304 | | 36746 | 2,351.35 | | | 04/01/13 | 2168 | | 3050 PECO ENERGY TWO MAN PECO CREW- BRACE PECO PO |
| | | 36889 | 20,700.00 | | | 04/10/13 | 2172 | | 3059 PLY-MAR CONSTRUCTION CO.INC. MARYDELL PUMP STATION DIVERSION |
| <hr/> | | | | | | | | | |
| | | | 23,051.35 | 0.00 | 23,051.35 | | | | |
| 1305 | | 37357 | 79,704.00 | | | 05/14/13 | 2176 | | 3059 PLY-MAR CONSTRUCTION CO.INC. APP.#2 MARYDELL PS DIVERSION |
| <hr/> | | | | | | | | | |
| | | | 79,704.00 | 0.00 | 102,755.35 | | | | |
| 1306 | | 37787 | 50,608.00 | | | 06/10/13 | 2187 | | 3059 PLY-MAR CONSTRUCTION CO.INC. MARYDELL PS DIVERSION APP.3 |
| <hr/> | | | | | | | | | |
| | | | 50,608.00 | 0.00 | 153,363.35 | | | | |

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|------------|------|-----|-------|------------|---------|-------------|----------|-------------|------|---|
| 07425-2000 | 1307 | CD | 38122 | 31,620.75 | | | 07/02/13 | 2193 | 3059 | PLY-MAR CONSTRUCTION CO.INC. MARYDELL DIVERSION - APP.#4 |
| | | | 38181 | 220.00 | | | 07/03/13 | 2194 | 765 | LENNI ELECTRIC CORPORATION MARYDELL STATION FEED |
| | | | | 31,840.75 | 0.00 | 185,204.10 | | | | |
| 1308 | | | 38571 | 1,980.00 | | | 08/01/13 | 2197 | 1022 | PATTERSON, MICHAEL J. WOOD STOCKADE FENCE INSTALLATION |
| | | | 38746 | 41,133.31 | | | 08/15/13 | 2199 | 3059 | PLY-MAR CONSTRUCTION CO.INC. MARYDELL PUMP STATION DIVERSION |
| | | | | 43,113.31 | 0.00 | 228,317.41 | | | | |
| | | | | 228,317.41 | 0.00 | 228,317.41 | | | | |
| 07426-1000 | | | | | | 0.00 | | | | |
| | | | | | | | | | | HERSHEY MILL STATION - ENGINEER |
| | 1301 | | 35695 | 2,047.12 | | | 01/15/13 | 2156 | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 12/9/12 HERSHEY MILL |
| | | | 35783 | 250.00 | | | 01/18/13 | 2157 | 263 | CHESTER COUNTY CONSERVATION DISTRICT PERMIT FEE - HERSHEY MILL DAM |
| | | | | 2,297.12 | 0.00 | 2,297.12 | | | | |
| 1302 | | | 36119 | 2,600.00 | | | 02/12/13 | 2160 | 2911 | EARTHCORE SERVICES LLC MOBILIZATION ATV RIG-HMPS DIVERS |
| | | | | 2,932.62 | | | 02/12/13 | 2162 | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 1/13/13 HERSHEY MILL |
| | | | *** | 5,532.62 | 0.00 | *** | | | | |
| | | | | 5,532.62 | 0.00 | 7,829.74 | | | | |
| 1304 | | | 36889 | 3,593.75 | | | 04/10/13 | 2171 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 3/17/13 HERSHEY MI |
| | | | 36890 | 2,516.50 | | | 04/10/13 | 2173 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 2/20/13 HERSHEY MILL |
| | | | | 6,110.25 | 0.00 | 13,939.99 | | | | |
| 1305 | | | 37357 | 1,539.75 | | | 05/14/13 | 2175 | 1052 | PENNONI ASSOCIATES INC. SERV. THRU 4/14/13 HERSHEY MILL |
| | | | | 1,539.75 | 0.00 | 15,479.74 | | | | |
| 1307 | | | 38122 | 7,301.50 | | | 07/02/13 | 2192 | 1052 | PENNONI ASSOCIATES INC. SERV. THRU 6/16/13 HERSHEY MILL |
| | | | | 7,301.50 | 0.00 | 22,781.24 | | | | |
| 1308 | | | 38761 | 1,653.75 | | | 08/15/13 | 2205 | 1052 | PENNONI ASSOCIATES INC. HERSHEY MILL PS |
| | | | | 1,653.75 | 0.00 | 24,434.99 | | | | |
| 1309 | | | 39132 | 607.50 | | | 09/11/13 | 2209 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 8/11/13 2013 HERS.M PS DIV. CONSTRUCTION |

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| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|-----|-----------|------------|----------|-------------|----------|-------------|------|--|
| | | | 607.50 | 0.00 | 25,042.49 | | | | |
| 1310 | | 39562 | 307.50 | | | 10/15/13 | 2212 | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 9/22/13 HERSHEY MILL |
| | | | 307.50 | 0.00 | 25,349.99 | | | | |
| | | | 25,349.99 | 0.00 | 25,349.99 | | | | |
| 07426-2000 | | | | | 0.00 | | | | |
| | | | | | | | | | HERSHEY MILL STATION - CONSTRUCTION |
| 1306 | | 37787 | 135,130.49 | | | 06/10/13 | 2185 | 3092 | DELAWARE VALLEY UTILITY CONTRACTORS INC. HERSHEY MILL PROJ. APPLICATION 1 |
| | | | 135,130.49 | 0.00 | 135,130.49 | | | | |
| 1307 | | 38402 | 2,535.00 | | | 07/19/13 | 2196 | 425 | EAST GOSHEN TOWNSHIP - GENERAL REIMBURSE GEN. FUND FOR MA CREDI CARD PURCHASE - HERSHEY MILL |
| | | | 2,535.00 | 0.00 | 137,665.49 | | | | |
| 1308 | | 38761 | 22,097.13 | | | 08/15/13 | 2203 | 3092 | DELAWARE VALLEY UTILITY CONTRACTORS INC. HERSHEY MILL PROJ. APPLICATION 2 |
| | | | 22,097.13 | 0.00 | 159,762.62 | | | | |
| 1310 JE | | 39814 | 7,250.00 | | | 11/04/13 | RECLASS | | RECLASS PAYMENT FOR GRINDER PUMP. |
| | | | 7,250.00 | 0.00 | 167,012.62 | | | | |
| | | | 167,012.62 | 0.00 | 167,012.62 | | | | |
| 07427-1000 | | | | | 0.00 | | | | |
| | | | | | | | | | RESERVE PUMP STATION - ENGINEER |
| 1301 CD | | 35695 | 2,047.13 | | | 01/15/13 | 2156 | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 12/9/12 RESERVE PS |
| | | | 2,047.13 | 0.00 | 2,047.13 | | | | |
| 1302 | | 36119 | 2,932.63 | | | 02/12/13 | 2162 | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 1/13/13 RESERVE PS |
| | | | 1,000.00 | | | 02/12/13 | 2163 | 3027 | SCHRODER, JOHN SEWER RIGHT OF WAY |
| | | | 1,000.00 | | | 02/12/13 | 2164 | 3029 | WILLOW POND HOMEOWNERS ASSOCIATION SEWER RIGHT OF WAY |
| | | *** | 4,932.63 | 0.00 *** | | | | | |
| | | | 4,932.63 | 0.00 | 6,979.76 | | | | |
| 1304 | | 36889 | 1,013.25 | | | 04/10/13 | 2171 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 3/17/13 RESERVE PU |
| | | 36890 | 2,516.50 | | | 04/10/13 | 2173 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 2/20/13 RESERVE PS |
| | | | 3,529.75 | 0.00 | 10,509.51 | | | | |

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| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|------|-------------------------------------|------------------------|----------|-------------|----------|-------------|------|---|
| 07427-1000 | 1305 | CD 37357 | 563.25 | | | 05/14/13 | 2175 | 1052 | PENNONI ASSOCIATES INC. SERV. THRU 4/14/13 RESERVE PS |
| | | | 1,455.00 | | | 05/14/13 | 2177 | 3075 | SPRING MEADOWS HOMEOWNERS ASSOCIATION SEWER RIGHT OF WAY |
| | | *** | 2,018.25 | 0.00 *** | | | | | |
| | | 37649 | 2,600.00 | | | 05/31/13 | 2179 | 2911 | EARTHCORE SERVICES LLC ATV RIG PROBES - 1 DAY |
| 1306 | | 37787 | 4,618.25 427.50 | 0.00 | 15,127.76 | 06/10/13 | 2186 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 5/12/13 - RESERVE P |
| 1307 | | 38122 | 427.50 2,770.75 | 0.00 | 15,555.26 | 07/02/13 | 2192 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 6/16/13 RESERVE PS |
| 1308 | | 38761 | 2,770.75 714.25 | 0.00 | 18,326.01 | 08/15/13 | 2205 | 1052 | PENNONI ASSOCIATES INC. RESERVE PS |
| 1309 | | 39132 | 714.25 553.75 | 0.00 | 19,040.26 | 09/11/13 | 2209 | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 8/11/13 2013 HERS.M & RESERVE PS. |
| 1310 | | 39562 | 553.75 2,900.75 | 0.00 | 19,594.01 | 10/15/13 | 2212 | 1052 | PENNONI ASSOCIATES INC. SERV. THRU 9/15/13 RESERVE PS DI |
| 1311 | | 39932 | 2,900.75 7,597.75 | 0.00 | 22,494.76 | 11/13/13 | 10006 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 10/13/13 - RESERVE DIVERSION CONSTRUCTION |
| | | 39945 | -7,597.75 | | | 11/14/13 | 10006 | 1052 | PENNONI ASSOCIATES INC. VOID CK. 010006 |
| | | 39947 | 7,597.75 | | | 11/14/13 | 2218 | 1052 | PENNONI ASSOCIATES INC. SERV. THRU 10/13/13 - RESERVE PS |
| | | | 7,597.75 | 0.00 | 30,092.51 | | | | |
| | | | 30,092.51 | 0.00 | 30,092.51 | | | | |
| 07427-2000 | | RESERVE PUMP STATION - CONSTRUCTION | | | 0.00 | | | | |
| 1310 | | 39562 | 64,651.07 | | | 10/15/13 | 2213 | 3133 | SMITH INC., RONALD APPLIC.#1 RESERVE PS SEWER DIVE |
| 1311 | | 39932 | 64,651.07 32,088.71 | 0.00 | 64,651.07 | 11/13/13 | 10007 | 3133 | SMITH INC., RONALD APPLICATION #2 RESERVE PS |
| | | 39945 | -32,088.71 | | | 11/14/13 | 10007 | 3133 | SMITH INC., RONALD VOID #010007 |

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| Acct # | Per | Src Trx # | Debits | Credits | Beg/End Bal | Date | Check/Ref # | ID # | Name/Description |
|------------|------|-----------------------------------|------------|-------------------------------------|-------------|----------|-------------|------|--|
| 07427-2000 | 1311 | CD 39947 | 32,088.71 | | | 11/14/13 | 2219 | 3133 | SMITH INC., RONALD RESERVE PS - APP.#2 |
| | | | 32,088.71 | 0.00 | 96,739.78 | | | | |
| | | | 96,739.78 | 0.00 | 96,739.78 | | | | |
| 07428-1000 | | RESERVOIR PUMP STATION - ENGINEER | | | 0.00 | | | | |
| | 1310 | 39562 | 2,019.75 | | | 10/15/13 | 2212 | 1052 | PENNONI ASSOCIATES INC. SERV.THUR 9/15/13 RESERVOIR RD |
| | | | 2,019.75 | 0.00 | 2,019.75 | | | | |
| | 1311 | 39932 | 18,056.50 | | | 11/13/13 | 10006 | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 10/13/13 - RESERVO RD. ACT 537 PLANNING |
| | | 39945 | -18,056.50 | | | 11/14/13 | 10006 | 1052 | PENNONI ASSOCIATES INC. VOID CK. 010006 |
| | | 39946 | 18,056.50 | | | 11/14/13 | 10008 | 1052 | PENNONI ASSOCIATES INC. SERV.THUR 10/13/13 RESERVOIR RD |
| | | | 18,056.50 | 0.00 | 20,076.25 | | | | |
| | | | 20,076.25 | 0.00 | 20,076.25 | | | | |
| 07429-3166 | | DIVERSION PROJ.- LEGAL | | | 0.00 | | | | |
| | | 39932 | 831.71 | | | 11/13/13 | 10005 | 528 | GAWTHROP GREENWOOD & HALSTED LEGAL SERV.- 10/15-10/23/13 DEL. VALLEY REGIONAL FINANCE |
| | JE | 40079 | | 831.71 | | 11/25/13 | RECLASS | | RECLASS GAWTHROP INV.113960 PAYMENT |
| | | | 831.71 | 831.71 | 0.00 | | | | |
| | | | 831.71 | 831.71 | 0.00 | | | | |
| 07492-0550 | | TRF TO SEWER SINKING FUND | | | 0.00 | | | | |
| | 1310 | 39704 | 877,000.00 | | | 10/24/13 | REIMBURSE | | REIMB.FR: 7105.1000 TO SEWER CAP.RESERVE FOR DIVERSION COST TRF TO SEWER CAPITAL RESERVE FUN |
| | | | 877,000.00 | 0.00 | 877,000.00 | | | | |
| | | | 877,000.00 | 0.00 | 877,000.00 | | | | |
| Beg Bal | | | 0.00 | 1,661,169.873,234,404.62-1573234.75 | | | | | |

DECEMBER 2013
EAST GOSHEN MUNICIPAL AUTHORITY GOALS

ON-GOING

1. Submit an article for each newsletter.
 - a. Need by 3/1/13 - Jack
 - b. Need by 6/1/13 – Dana & Kevin
 - c. Need by 9/1/13 -
 - d. Need by 10/14/13 – Kevin
2. Attend West Goshen Meetings quarterly – more often if needed.
 - a. 1st Quarter (March) - Ed
 - b. 2nd Quarter (June) - Kevin
 - c. 3rd Quarter (September) - Ed
 - d. 4th Quarter (December) - Ed
3. Respond to capacity requests in 45 days or less. Colonial Lane 3 EDUs received 8/19, responded 9/10 (22 days), 1637 Manley Road – 1 EDU
4. Continue to implement I & I Plan - March Report distributed in May. September Report distributed in December
5. Operate RCSTP in compliance with NPDES Permit - January, February, March, April, May, July, September, October, November

PROJECTS

1. Lockwood – Final Restoration – Completed
2. Marydell Pump Station – Construction –Project Completed
3. Hershey Mill Pump Station – Construction – Project Completed
4. Reserve Pump Station – Construction – Project Completed.
5. Borrowing – Reimburse Capital Reserve for design and construction funds. . Submitted loan application. Completed

FIFTH SUPPLEMENTAL LEASE

THIS FIFTH SUPPLEMENTAL LEASE dated October 15, 2013, by and between **EAST GOSHEN MUNICIPAL AUTHORITY**, an authority organized and existing under the laws of the Commonwealth of Pennsylvania ("Authority") and the **TOWNSHIP OF EAST GOSHEN**, a municipality organized and existing under the laws of the Commonwealth of Pennsylvania ("Township"),

WITNESSETH:

WHEREAS, the Authority is a body corporate and politic organized by the Board of Supervisors of the Township of East Goshen, Chester County ("Township") and existing under the Municipality Authorities Act of 1945 (Act of May 2, 1945, P.L. 382, as amended and supplemented) of the Commonwealth of Pennsylvania ("Act"), as evidenced by its Certificate of Incorporation dated May 23, 1967; and

WHEREAS, the Authority was organized for the purpose of acquiring, holding, constructing, improving, maintaining and operating, owning, leasing, either in the capacity of lessor or lessee, sewers, sewer systems, or parts thereof, and sewage treatment works, including works for treating and disposing of industrial waste for the Township and for such other territory as it may be authorized to serve; and

WHEREAS, the Authority has acquired and constructed in increments a sewage collection and treatment system, which by a Contract and Lease dated December 30, 1968 ("Original Lease") it has leased to the Township, including any real estate thereafter acquired for or in connection therewith (collectively called "Sewer System"); and

WHEREAS, the Authority heretofore issued its Sewer Revenue Bonds, Series of 1968 ("1968 Bonds") secured by the Authority's Trust Indenture dated December 30, 1968 ("Original Indenture") with the National Bank of Chester County and Trust Company, as trustee, of which bank First Union National Bank is the successor by a series of mergers ("1968 Trustee"); and

WHEREAS, simultaneously with the execution of the Original Lease, the Authority assigned its interest therein to the 1968 Trustee under the Original Indenture; and

WHEREAS, to provide money for and toward the estimated cost of construction of certain Capital Additions to the Sewer System, the Authority has issued its Sewer Revenue Bonds, Series 1994 ("1994 Bonds") under and secured by the Original Indenture as supplemented by a Second Supplemental Indenture dated December 1, 1994; and

WHEREAS, the Authority sold and issued the 1994 Bonds to the Delaware Valley Regional Finance Authority ("DVRFA"); and

WHEREAS, the Authority and the Township entered into a Second Supplemental Lease dated December 1, 1994 ("Second Supplemental Lease") amending and supplementing the Original Lease, which Second Supplement Lease was assigned to the 1968 Trustee to secure the 1994 Bonds; and

WHEREAS, the Authority, at the request of the Township, undertook certain improvements to the Sewer System in 1998 consisting of a capital contribution to be made to West Goshen Municipal Authority to purchase additional treatment capacity in the expanded plant of such Authority (collectively "1998 Improvements"); and

WHEREAS, the Authority also determined in 1998 to refund the 1968 Bonds and the 1994 Bonds (collectively "Refunded Bonds"); and

WHEREAS, in order to provide money toward the cost of redemption and payment of the Refunded Bonds and the costs of the 1998 Improvements, the Authority issued to DVRFA its Guaranteed Note Series of 1998 in the principal amount of \$1,340,000 ("1998 Note") pursuant to a Loan Agreement dated October 28, 1998 ("1998 Loan Agreement") with DVRFA; and

WHEREAS, the 1968 Trustee redeemed all of the Refunded Bonds on December 15, 1998 and, as authorized by the Indenture, the 1968 Trustee reassigned the Lease to the Authority; and

WHEREAS, the Authority and the Township entered into a Third Supplemental Lease dated October 15, 1998 ("Third Supplemental Lease") amending and supplementing the Original Lease and the Second Supplemental Lease; and

WHEREAS, in 2008, the Authority determined to undertake certain capital projects ("2008 Improvements") consisting of (i) the upgrade and expansion of the Ridley Creek Sewer Plant, (ii) improvements to the Sewer System, and (iii) the payment of the costs of issuance of the \$9,500,000 Guaranteed Sewer Revenue Notes, 2008 Series ("2008 Note") pursuant to a Loan Agreement dated December 15, 2008 ("2008 Loan Agreement") with DVRFA; and

WHEREAS, the Authority and the Township entered into the Fourth Supplemental Lease dated December 15, 2008 amending and supplementing the Original Lease and the Second and Third Supplemental Leases; and

WHEREAS, the Authority has determined to undertake certain capital projects to improve the Sewer System ("2013 Improvements") for the benefit and use of the general public consisting of: (i) Reservoir Road Pump Station Diversion; (ii) elimination of Lockwood Sewer Treatment Plant; (iii) elimination of Marydell Pump Station and installation of gravity mains to divert flows; (iv) upgrade of Hershey Mill Pump Station and installation of force mains; (v) elimination of Reserve Pump Station and installation of gravity mains to divert flows; (vi) the payment of the costs of issuance of the \$2,500,000 Guaranteed Sewer Revenue Notes, 2013

Series ("2013 Note") pursuant to a Loan Agreement dated October 15, 2013 ("2013 Loan Agreement") with DVRFA; and (vii) net excess funding in Sewer Capital Reserve Fund.

WHEREAS, the Township is willing to pay as additional rental under the Lease any amounts which may become due by the Authority under the 2013 Loan Agreement as described above (collectively "Rentals"); and

WHEREAS, the Township has agreed to lease the Sewer System from the Authority and to maintain and operate it, and has agreed in the Original Lease to fix, charge, impose and collect during the entire term of said Lease from the users of the Sewer System rents and charges which will be sufficient, together with other available funds (including tapping fees which are to be collected by it as agent of the Authority), to provide funds for the payment in each year of (i) the estimated expenses of operating, maintaining and repairing the Sewer System and the making of all ordinary improvements, additions and extensions which may be necessary or proper to provide or maintain adequate service, the costs of which are not otherwise provided for and the payment of all applicable taxes, (ii) the rentals payable under the Original Lease and under any and all supplemental or additional sewer leases, and (iii) the Administration Expenses of the Authority.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, each intending to be legally bound hereby, the Authority and the Township do hereby agree as follows:

ARTICLE I DEFINITIONS

Section 1.01. All capitalized terms used herein which are not defined herein shall have the same meanings as are set forth in the Original Lease, as amended.

ARTICLE II 2013 IMPROVEMENTS

Section 2.01. The Authority agrees, out of the proceeds to be received by it from the sale of the 2013 Note and such other money as may be available to it, to pay all expenses incurred by the Authority in connection with the issuance and sale of the 2013 Note and all expenses related to the 2013 Improvements and to reimburse the Township for expenses heretofore incurred by it with respect thereto.

Section 2.02. The Township acknowledges that it has complete and satisfactory information with respect to the 2013 Improvements and with respect to the estimated cost of construction of the 2013 Improvements. To the extent that the proceeds of the 2013 Note are insufficient to pay the cost of the 2013 Improvements, as it may be modified with the prior approval of the Township, the Township will either provide funds to pay such costs or assist the Authority in obtaining such funds through supplemental financing.

ARTICLE III AMENDMENTS TO ORIGINAL LEASE

Section 3.01. The Original Lease is hereby amended as set forth below in this Article. Unless otherwise indicated herein, the previous amendments to the Original Lease shall remain in effect.

Section 3.02. The terms defined in the recitals hereto are hereby added as definitions to Article I of the Original Lease.

Section 3.03. Section 2.04 is hereby amended so that section shall hereafter read in full as follows:

A. The amount to the credit of the Sewer Revenue Account shall be applied by the Township for the payment of the expenses and operation, maintenance and repair of the Sewer System and the making of all ordinary improvements and additions to such System, and the payment of administration expenses of the Authority. The Township agrees that it will not make any withdrawal from the Sewer Revenue Account except for the purposes and in the manner provided in this Section.

B. As long as the 2013 Note is outstanding, the Township shall pay to the Authority, in addition to the amounts due under the 1998 Note and 2008 Note, as additional rentals ("Rentals") for use of the Sewer System, the following: (i) on the 25th day of each month beginning in October, 2013, an amount equal to the debt service on the Note becoming due on each such date, but not exceeding in the aggregate in any calendar year the amount specified as the maximum for such year as set forth on Schedule A attached hereto, which is based upon debt service becoming due on the Note at its maximum rate of 15% per annum; and (ii) promptly upon request by DVRFA from time to time, and to the extent the revenues of the Authority are insufficient for such purpose, all amounts becoming due by the Authority to DVRFA under the 2013 Loan Agreement, all as specified in bills from DVRFA, copies of which will be promptly sent by the Authority to the Township.

C. The Township shall no longer transfer annually, after receipt of the annual financial statements of the Sewer Revenue Account and the annual financial statements of the Authority for the preceding year, from the Sewer Revenue Account to the Township's General Fund, an amount equal to one-half of the excess of total revenue of the Sewer System over total expenses of the operation of the Sewer System, including administrative costs and debt service. Such excess revenue shall instead remain in the Sewer Operating Account and shall be used to fund the debt service of the 2013 Note.

D. The balance of the Capital Additions Fund, if any, created by the Third Supplemental Lease shall be invested only as permitted by the Municipality Authorities Act, and shall be used solely for any purpose related to the Sewer System.

Section 3.04. Section 2.16, as added by the Second Supplemental Lease and amended by the Third and Fourth Supplemental Leases, is hereby amended to read in full as follows:

The Township hereby covenants and agrees that it will (i) include in its budget for each year the amounts payable in respect of its rental obligations under this Lease, as supplemented by the Fifth Supplemental Lease, and any subsequent Supplemental Lease, (ii) appropriate such amounts, from its general or other available revenues, to such payments, and (iii) duly and punctually pay, or cause to be paid, to the Authority or its assignee, from any of its revenues or funds, amounts due from it under the Lease, as so supplemented, at the times, in the manner, and according to the true intent and meaning thereof. For such budgeting, appropriation and payment, the Township hereby pledges its full faith, credit and taxing power. This covenant shall be specifically enforceable.

Section 3.05. Section 4.01 is hereby amended so that it will read in full as follows:

In the event that the Township shall fail to pay when due any of the Rentals provided for in Section 2.04 hereof, or shall fail to comply with any other of its covenants or agreements in this Contract and Lease, as the same has been supplemented and amended, for a period of sixty (60) days after written notice from the Authority or its attorney, the Authority or its attorney may without further notice terminate this Contract and Lease, as so supplemented and amended, and take possession of the Sewer System and each and every part thereof. In the event that the Authority shall be entitled to terminate this Contract and Lease, as so supplemented and amended, upon default of the Township as aforesaid, any trustee appointed by the holders of the Note or other obligations of the Authority and pursuant to the Municipal Authorities Act of 1945, or any receiver appointed pursuant to said Act, may as the attorney-in-fact of the Authority exercise all its rights to terminate this Contract and Lease as above provided and may take possession of the Sewer System. In the event that this Contract and Lease shall be terminated as above provided, the Township shall surrender all its books and records relating to the Sewer System and all moneys held in the Sewer Revenue Account to whomever shall take possession of the Sewer System.

Section 3.06. Section 4.02 is hereby amended so that it will read in full as follows:

The Township shall furnish to the Authority (a) on or before May 31 of each year during the term of this Contract and Lease, as supplemented and amended, commencing May 31, 2014, an operating statement for the Sewer System for the preceding Fiscal Year. Such statements shall be in such form as may be reasonably required by the Authority, showing, among other things, sewer rents and other charges (including sewer connection charges) collected; sewer rents and other charges (including sewer connection charges) due and unpaid; the amounts paid to the Authority as Rentals under Section 2.04; the amount retained as working capital; the amounts transferred to the Capital Additions Fund; the amount of assessments, if any, made; the amounts, if any, paid to the Authority representing assessments and the amount of assessments due and unpaid.

The annual operating statements shall be prepared and certified by an independent certified public accountant satisfactory to the Authority. Such statements shall be accompanied by a certificate of such accountant stating whether in performing its audit, the accountant has become aware of any breach by the Township of any of the provisions of this Contract and Lease, as supplemented and amended, specifying the nature of the breach.

The Township shall furnish or cause to be furnished to the Authority and DVRFA on or before June 15 of each year commencing June 15, 2014, a copy of said operating statement and report for the preceding Fiscal Year and, in addition, the following (1) a copy of the complete financial statement of the Township for the preceding fiscal year; and (2) a copy of the budget of the Township for the current fiscal year.

Section 3.07. Section 4.06 which was added by the Second Supplemental Lease and amended by the Third and Fourth Supplemental Leases at the end of Article IV of the Original Lease is hereby amended to read in full as follows:

As long as the 2013 Note is outstanding, the Township shall deliver to DVRFA, as soon as available and in any event within 120 days after the end of each fiscal year, audited financial statements of the Township or the Annual Audit and Financial Report submitted to the Department of Community and Economic Development of the Commonwealth of Pennsylvania. The treasurer of the Township shall, at the reasonable request of the DVRFA or the DVRFA's trustee, discuss its financial condition and provide the DVRFA with any information or documents necessary for the credit enhancement, remarketing or rating of the DVRFA's outstanding bonds.

Section 3.08. Section 5.01 is amended to change the termination date of the Lease to September 25, 2033.

ARTICLE IV MISCELLANEOUS

Section 4.01. This Fifth Supplemental Lease is executed and shall be considered as supplemental to and amendatory of the Original lease, as heretofore supplemented and amended by the Second, Third and Fourth Supplemental Leases and shall form a part thereof, and the Original Lease, as so supplemented and amended, is hereby ratified and confirmed.

Section 4.02. This Fifth Supplemental Lease may be executed in any number of counterparts, each of which, when so executed and delivered, shall be an original; but such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, the Authority and the Township have caused this Fifth Supplemental Lease to be executed and to be effective the day and year first above written.

ATTEST:

EAST GOSHEN MUNICIPAL
AUTHORITY

Secretary

By:

Chairman

ATTEST:

EAST GOSHEN TOWNSHIP

Secretary

By:

Chairman

F:\Data\Shared Data\Finance Dept\Debt\2013 Bond Issue\lease fifth supplemental 10-15-13.doc

Rick Smith

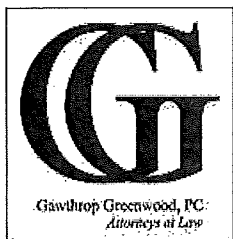
From: Adams, Robert F. <rfadams@gawthrop.com>
Sent: Wednesday, October 23, 2013 10:00 AM
To: 'Rick Smith'
Cc: 'Kristin Camp'
Subject: RE: 2013 DVRFA Loan

Rick,

These changes look fine. I assume you will produce the final documents for execution by both boards.

Bob

Robert F. Adams, Esquire
Gawthrop Greenwood, PC
17 East Gay Street, Suite 100
P.O. Box 562
West Chester, PA 19381-0562
Telephone: 610-696-8225 x125
Facsimile: 610-344-0922
E-mail: rfadams@gawthrop.com
We are on the web at www.gawthrop.com



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From: Rick Smith [<mailto:rsmith@eastgoshen.org>]
Sent: Wednesday, October 23, 2013 8:23 AM
To: Adams, Robert F.
Cc: 'Kristin Camp'
Subject: RE: 2013 DVRFA Loan

Bob

Please see highlighted text on Page 5 and let me know if you agree with the suggested changes.

The Authority meets on November 11 and the Board on November 12..

Thanks

rick

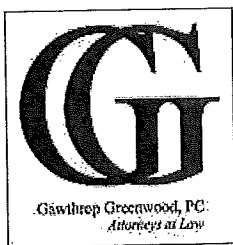
From: Adams, Robert F. [<mailto:rfadams@gawthrop.com>]
Sent: Tuesday, October 22, 2013 2:56 PM
To: Rick Smith (rsmith@eastgoshen.org)
Cc: 'Kristin Camp'
Subject: 2013 DVRFA Loan

Rick,

As requested I have drafted a Fifth Supplemental Lease between the Township and Authority. I modified the Fourth lease that I had done in 2008 to reflect the new project and loan terms. The Fifth Amendment is attached. If it is O.K. with Kristin and you, I suggest that both bodies take action at their next meetings. I have dated the lease October 15 in the belief that all of the documents associated with the loan closing will bear the same date. This is how we did it in 2008. So, even though the actual approval and execution date will be post October 15, I have provided on the signature page that the Lease is effective the date appearing on the first page.

Bob

Robert F. Adams, Esquire
Gawthrop Greenwood, PC
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P.O. Box 562
West Chester, PA 19381-0562
Telephone: 610-696-8225 x125
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FIFTH SUPPLEMENTAL LEASE

THIS FIFTH SUPPLEMENTAL LEASE dated October 15, 2013, by and between **EAST GOSHEN MUNICIPAL AUTHORITY**, an authority organized and existing under the laws of the Commonwealth of Pennsylvania ("Authority") and the **TOWNSHIP OF EAST GOSHEN**, a municipality organized and existing under the laws of the Commonwealth of Pennsylvania ("Township"),

WITNESSETH:

WHEREAS, the Authority is a body corporate and politic organized by the Board of Supervisors of the Township of East Goshen, Chester County ("Township") and existing under the Municipality Authorities Act of 1945 (Act of May 2, 1945, P.L. 382, as amended and supplemented) of the Commonwealth of Pennsylvania ("Act"), as evidenced by its Certificate of Incorporation dated May 23, 1967; and

WHEREAS, the Authority was organized for the purpose of acquiring, holding, constructing, improving, maintaining and operating, owning, leasing, either in the capacity of lessor or lessee, sewers, sewer systems, or parts thereof, and sewage treatment works, including works for treating and disposing of industrial waste for the Township and for such other territory as it may be authorized to serve; and

WHEREAS, the Authority has acquired and constructed in increments a sewage collection and treatment system, which by a Contract and Lease dated December 30, 1968 ("Original Lease") it has leased to the Township, including any real estate thereafter acquired for or in connection therewith (collectively called "Sewer System"); and

WHEREAS, the Authority heretofore issued its Sewer Revenue Bonds, Series of 1968 ("1968 Bonds") secured by the Authority's Trust Indenture dated December 30, 1968 ("Original Indenture") with the National Bank of Chester County and Trust Company, as trustee, of which bank First Union National Bank is the successor by a series of mergers ("1968 Trustee"); and

WHEREAS, simultaneously with the execution of the Original Lease, the Authority assigned its interest therein to the 1968 Trustee under the Original Indenture; and

WHEREAS, to provide money for and toward the estimated cost of construction of certain Capital Additions to the Sewer System, the Authority has issued its Sewer Revenue Bonds, Series 1994 ("1994 Bonds") under and secured by the Original Indenture as supplemented by a Second Supplemental Indenture dated December 1, 1994; and

WHEREAS, the Authority sold and issued the 1994 Bonds to the Delaware Valley Regional Finance Authority ("DVRFA"); and

WHEREAS, the Authority and the Township entered into a Second Supplemental Lease dated December 1, 1994 ("Second Supplemental Lease") amending and supplementing the Original Lease, which Second Supplement Lease was assigned to the 1968 Trustee to secure the 1994 Bonds; and

WHEREAS, the Authority, at the request of the Township, undertook certain improvements to the Sewer System in 1998 consisting of a capital contribution to be made to West Goshen Municipal Authority to purchase additional treatment capacity in the expanded plant of such Authority (collectively "1998 Improvements"); and

WHEREAS, the Authority also determined in 1998 to refund the 1968 Bonds and the 1994 Bonds (collectively "Refunded Bonds"); and

WHEREAS, in order to provide money toward the cost of redemption and payment of the Refunded Bonds and the costs of the 1998 Improvements, the Authority issued to DVRFA its Guaranteed Note Series of 1998 in the principal amount of \$1,340,000 ("1998 Note") pursuant to a Loan Agreement dated October 28, 1998 ("1998 Loan Agreement") with DVRFA; and

WHEREAS, the 1968 Trustee redeemed all of the Refunded Bonds on December 15, 1998 and, as authorized by the Indenture, the 1968 Trustee reassigned the Lease to the Authority; and

WHEREAS, the Authority and the Township entered into a Third Supplemental Lease dated October 15, 1998 ("Third Supplemental Lease") amending and supplementing the Original Lease and the Second Supplemental Lease; and

WHEREAS, in 2008, the Authority determined to undertake certain capital projects ("2008 Improvements") consisting of (i) the upgrade and expansion of the Ridley Creek Sewer Plant, (ii) improvements to the Sewer System, and (iii) the payment of the costs of issuance of the \$9,500,000 Guaranteed Sewer Revenue Notes, 2008 Series ("2008 Note") pursuant to a Loan Agreement dated December 15, 2008 ("2008 Loan Agreement") with DVRFA; and

WHEREAS, the Authority and the Township entered into the Fourth Supplemental Lease dated December 15, 2008 amending and supplementing the Original Lease and the Second and Third Supplemental Leases; and

WHEREAS, the Authority has determined to undertake certain capital projects to improve the Sewer System ("2013 Improvements") for the benefit and use of the general public consisting of: (i) Reservoir Road Pump Station Diversion; (ii) elimination of Lockwood Sewer Treatment Plant; (iii) elimination of Marydell Pump Station and installation of gravity mains to divert flows; (iv) upgrade of Hershey Mill Pump Station and installation of force mains; (v) elimination of Reserve Pump Station and installation of gravity mains to divert flows; (vi) the payment of the costs of issuance of the \$2,500,000 Guaranteed Sewer Revenue Notes, 2013

Series ("2013 Note") pursuant to a Loan Agreement dated October 15, 2013 ("2013 Loan Agreement") with DVRFA; and (vii) net excess funding in Sewer Capital Reserve Fund.

WHEREAS, the Township is willing to pay as additional rental under the Lease any amounts which may become due by the Authority under the 2013 Loan Agreement as described above (collectively "Rentals"); and

WHEREAS, the Township has agreed to lease the Sewer System from the Authority and to maintain and operate it, and has agreed in the Original Lease to fix, charge, impose and collect during the entire term of said Lease from the users of the Sewer System rents and charges which will be sufficient, together with other available funds (including tapping fees which are to be collected by it as agent of the Authority), to provide funds for the payment in each year of (i) the estimated expenses of operating, maintaining and repairing the Sewer System and the making of all ordinary improvements, additions and extensions which may be necessary or proper to provide or maintain adequate service, the costs of which are not otherwise provided for and the payment of all applicable taxes, (ii) the rentals payable under the Original Lease and under any and all supplemental or additional sewer leases, and (iii) the Administration Expenses of the Authority.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, each intending to be legally bound hereby, the Authority and the Township do hereby agree as follows:

ARTICLE I DEFINITIONS

Section 1.01. All capitalized terms used herein which are not defined herein shall have the same meanings as are set forth in the Original Lease, as amended.

ARTICLE II 2013 IMPROVEMENTS

Section 2.01. The Authority agrees, out of the proceeds to be received by it from the sale of the 2013 Note and such other money as may be available to it, to pay all expenses incurred by the Authority in connection with the issuance and sale of the 2013 Note and all expenses related to the 2013 Improvements and to reimburse the Township for expenses heretofore incurred by it with respect thereto.

Section 2.02. The Township acknowledges that it has complete and satisfactory information with respect to the 2013 Improvements and with respect to the estimated cost of construction of the 2013 Improvements. To the extent that the proceeds of the 2013 Note are insufficient to pay the cost of the 2013 Improvements, as it may be modified with the prior approval of the Township, the Township will either provide funds to pay such costs or assist the Authority in obtaining such funds through supplemental financing.

ARTICLE III AMENDMENTS TO ORIGINAL LEASE

Section 3.01. The Original Lease is hereby amended as set forth below in this Article. Unless otherwise indicated herein, the previous amendments to the Original Lease shall remain in effect.

Section 3.02. The terms defined in the recitals hereto are hereby added as definitions to Article I of the Original Lease.

Section 3.03. Section 2.04 is hereby amended so that section shall hereafter read in full as follows:

A. The amount to the credit of the Sewer Revenue Account shall be applied by the Township for the payment of the expenses and operation, maintenance and repair of the Sewer System and the making of all ordinary improvements and additions to such System, and the payment of administration expenses of the Authority. The Township agrees that it will not make any withdrawal from the Sewer Revenue Account except for the purposes and in the manner provided in this Section.

B. As long as the 2013 Note is outstanding, the Township shall pay to the Authority, in addition to the amounts due under the 1998 Note and 2008 Note, as additional rentals ("Rentals") for use of the Sewer System, the following: (i) on the 25th day of each month beginning in October, 2013, an amount equal to the debt service on the Note becoming due on each such date, but not exceeding in the aggregate in any calendar year the amount specified as the maximum for such year as set forth on Schedule A attached hereto, which is based upon debt service becoming due on the Note at its maximum rate of 15% per annum; and (ii) promptly upon request by DVRFA from time to time, and to the extent the revenues of the Authority are insufficient for such purpose, all amounts becoming due by the Authority to DVRFA under the 2013 Loan Agreement, all as specified in bills from DVRFA, copies of which will be promptly sent by the Authority to the Township.

C. The Township shall no longer transfer annually, after receipt of the annual financial statements of the Sewer Revenue Account and the annual financial statements of the Authority for the preceding year, from the Sewer Revenue Account to the Township's General Fund, an amount equal to one-half of the excess of total revenue of the Sewer System over total expenses of the operation of the Sewer System, including administrative costs and debt service. Such excess revenue shall instead remain in the Sewer Operating Account and shall be used to fund the debt service of the 2013 Note.

D. The balance of the Capital Additions Fund, if any, created by the Third Supplemental Lease shall be invested only as permitted by the Municipality Authorities Act, and shall be used solely for any purpose related to the Sewer System.

Section 3.04. Section 2.16, as added by the Second Supplemental Lease and amended by the Third and Fourth Supplemental Leases, is hereby amended to read in full as follows:

The Township hereby covenants and agrees that it will (i) include in its budget for each year the amounts payable in respect of its rental obligations under this Lease, as supplemented by the Fifth Supplemental Lease, and any subsequent Supplemental Lease, (ii) appropriate such amounts, from its general or other available revenues, to such payments, and (iii) duly and punctually pay, or cause to be paid, to the Authority or its assignee, from any of its revenues or funds, amounts due from it under the Lease, as so supplemented, at the times, in the manner, and according to the true intent and meaning thereof. For such budgeting, appropriation and payment, the Township hereby pledges its full faith, credit and taxing power. This covenant shall be specifically enforceable.

Section 3.05. Section 4.01 is hereby amended so that it will read in full as follows:

In the event that the Township shall fail to pay when due any of the Rentals provided for in Section 2.04 hereof, or shall fail to comply with any other of its covenants or agreements in this Contract and Lease, as the same has been supplemented and amended, for a period of sixty (60) days after written notice from the Authority or its attorney, the Authority or its attorney may without further notice terminate this Contract and Lease, as so supplemented and amended, and take possession of the Sewer System and each and every part thereof. In the event that the Authority shall be entitled to terminate this Contract and Lease, as so supplemented and amended, upon default of the Township as aforesaid, any trustee appointed by the holders of the Note or other obligations of the Authority and pursuant to the Municipal Authorities Act of 1945, or any receiver appointed pursuant to said Act, may as the attorney-in-fact of the Authority exercise all its rights to terminate this Contract and Lease as above provided and may take possession of the Sewer System. In the event that this Contract and Lease shall be terminated as above provided, the Township shall surrender all its books and records relating to the Sewer System and all moneys held in the Sewer Revenue Account to whomever shall take possession of the Sewer System.

Section 3.06. Section 4.02 is hereby amended so that it will read in full as follows:

The Township shall furnish to the Authority (a) on or before May 31 of each year during the term of this Contract and Lease, as supplemented and amended, commencing May 31, 2014, an operating statement for the Sewer System for the preceding Fiscal Year. Such statements shall be in such form as may be reasonably required by the Authority, showing, among other things, sewer rents and other charges (including sewer connection charges) collected; sewer rents and other charges (including sewer connection charges) due and unpaid; the amounts paid to the Authority as Rentals under Section 2.04; the amount retained as working capital; the amounts transferred to the Capital Additions Fund; the amount of assessments, if any, made; the amounts, if any, paid to the Authority representing assessments and the amount of assessments due and unpaid.

The annual operating statements shall be prepared and certified by an independent certified public accountant satisfactory to the Authority. Such statements shall be accompanied by a certificate of such accountant stating whether in performing its audit, the accountant has become aware of any breach by the Township of any of the provisions of this Contract and Lease, as supplemented and amended, specifying the nature of the breach.

The Township shall furnish or cause to be furnished to the Authority and DVRFA on or before June 15 of each year commencing June 15, 2014, a copy of said operating statement and report for the preceding Fiscal Year and, in addition, the following (1) a copy of the complete financial statement of the Township for the preceding fiscal year; and (2) a copy of the budget of the Township for the current fiscal year.

Section 3.07. Section 4.06 which was added by the Second Supplemental Lease and amended by the Third and Fourth Supplemental Leases at the end of Article IV of the Original Lease is hereby amended to read in full as follows:

As long as the 2013 Note is outstanding, the Township shall deliver to DVRFA, as soon as available and in any event within 120 days after the end of each fiscal year, audited financial statements of the Township or the Annual Audit and Financial Report submitted to the Department of Community and Economic Development of the Commonwealth of Pennsylvania. The treasurer of the Township shall, at the reasonable request of the DVRFA or the DVRFA's trustee, discuss its financial condition and provide the DVRFA with any information or documents necessary for the credit enhancement, remarketing or rating of the DVRFA's outstanding bonds.

Section 3.08. Section 5.01 is amended to change the termination date of the Lease to September 25, 2033.

ARTICLE IV MISCELLANEOUS

Section 4.01. This Fifth Supplemental Lease is executed and shall be considered as supplemental to and amendatory of the Original lease, as heretofore supplemented and amended by the Second, Third and Fourth Supplemental Leases and shall form a part thereof, and the Original Lease, as so supplemented and amended, is hereby ratified and confirmed.

Section 4.02. This Fifth Supplemental Lease may be executed in any number of counterparts, each of which, when so executed and delivered, shall be an original; but such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, the Authority and the Township have caused this Fifth Supplemental Lease to be executed and to be effective the day and year first above written.

ATTEST:

EAST GOSHEN MUNICIPAL
AUTHORITY


Secretary

By:

Chairman

ATTEST:

EAST GOSHEN TOWNSHIP



Secretary

By:



Chairman

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Getting Started



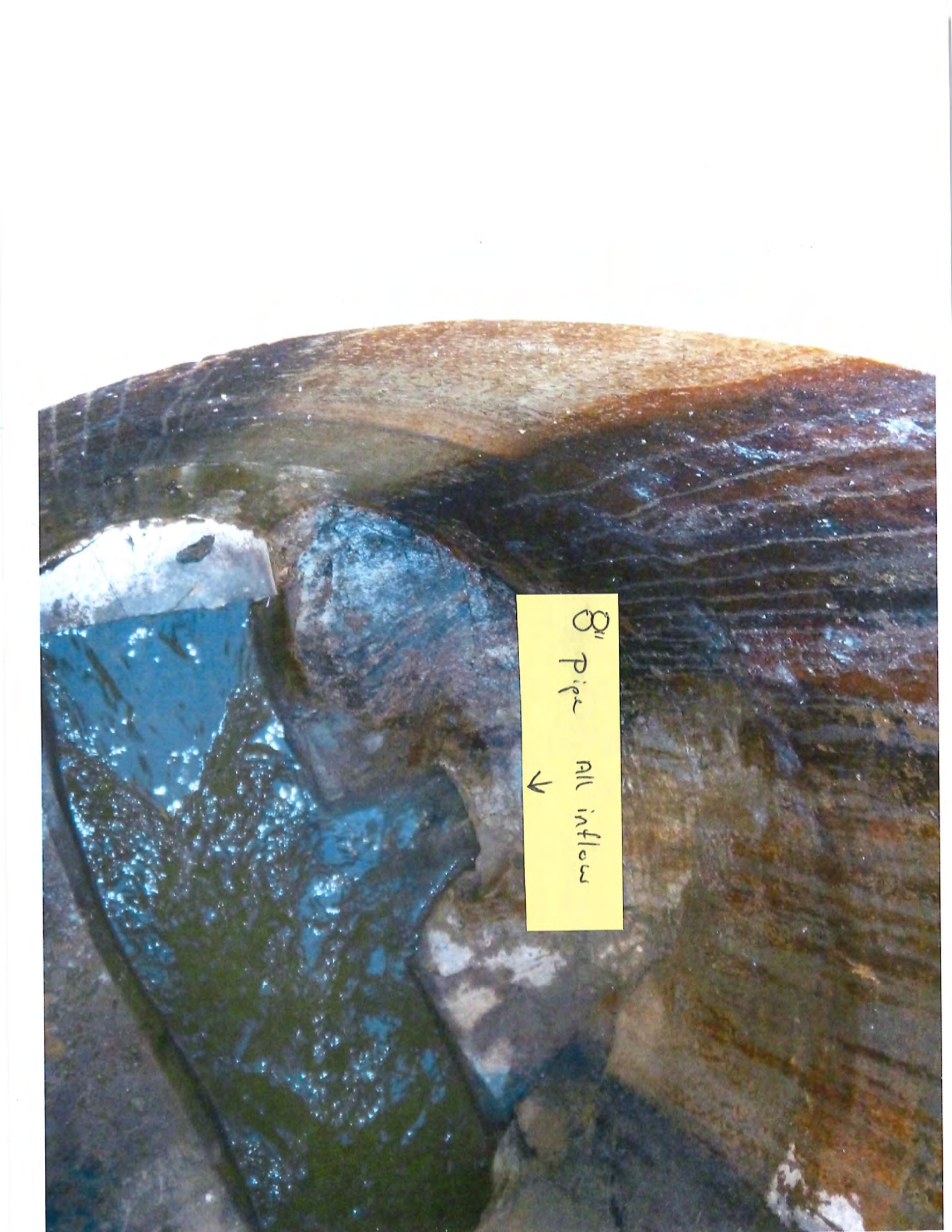
12" Creek bypass
Pump

8" Pipe All inflow
→

15"

15"





8" Pipe
all inflow
↓





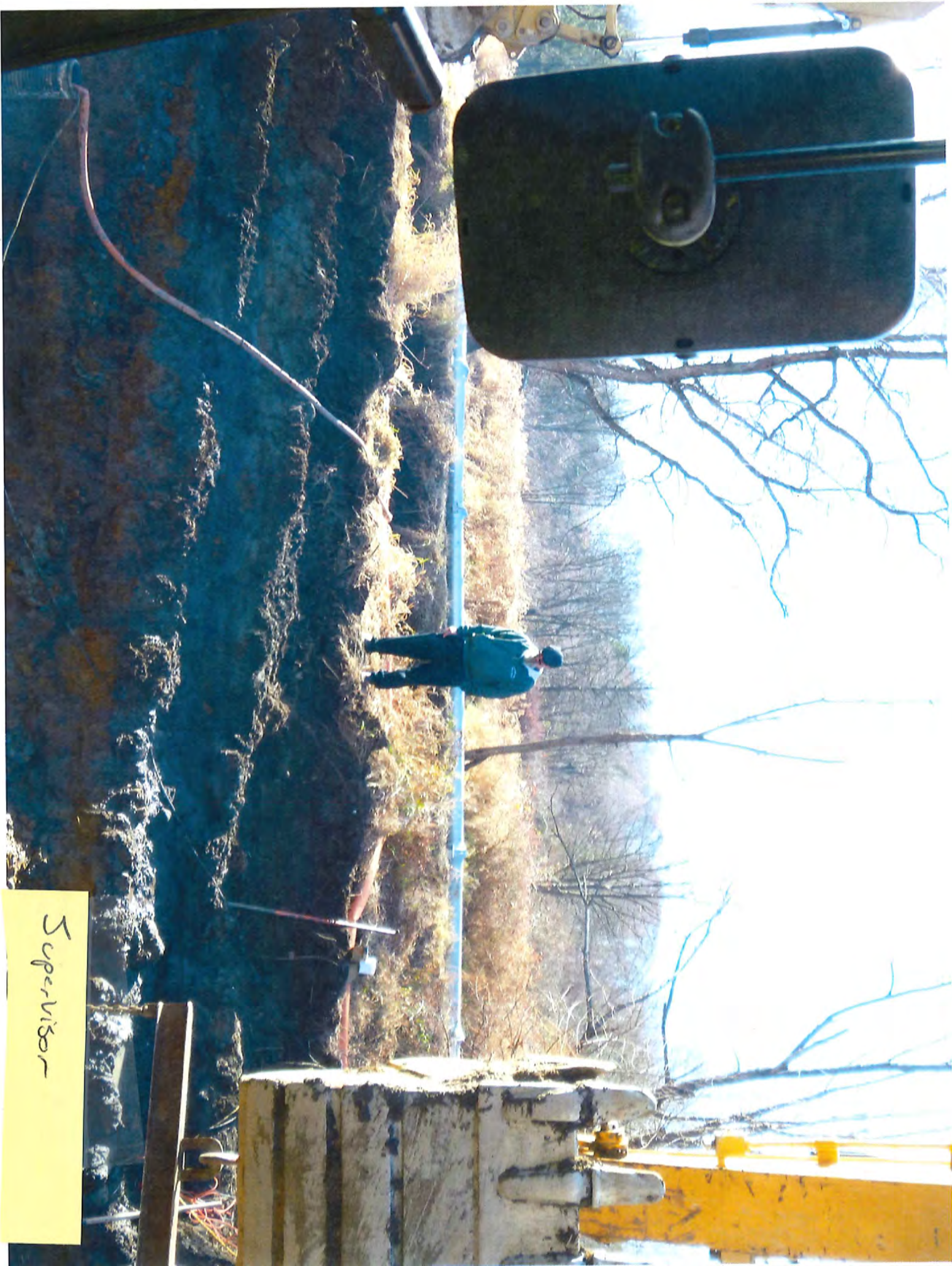


Last Manhole Section





Removing old Manhole

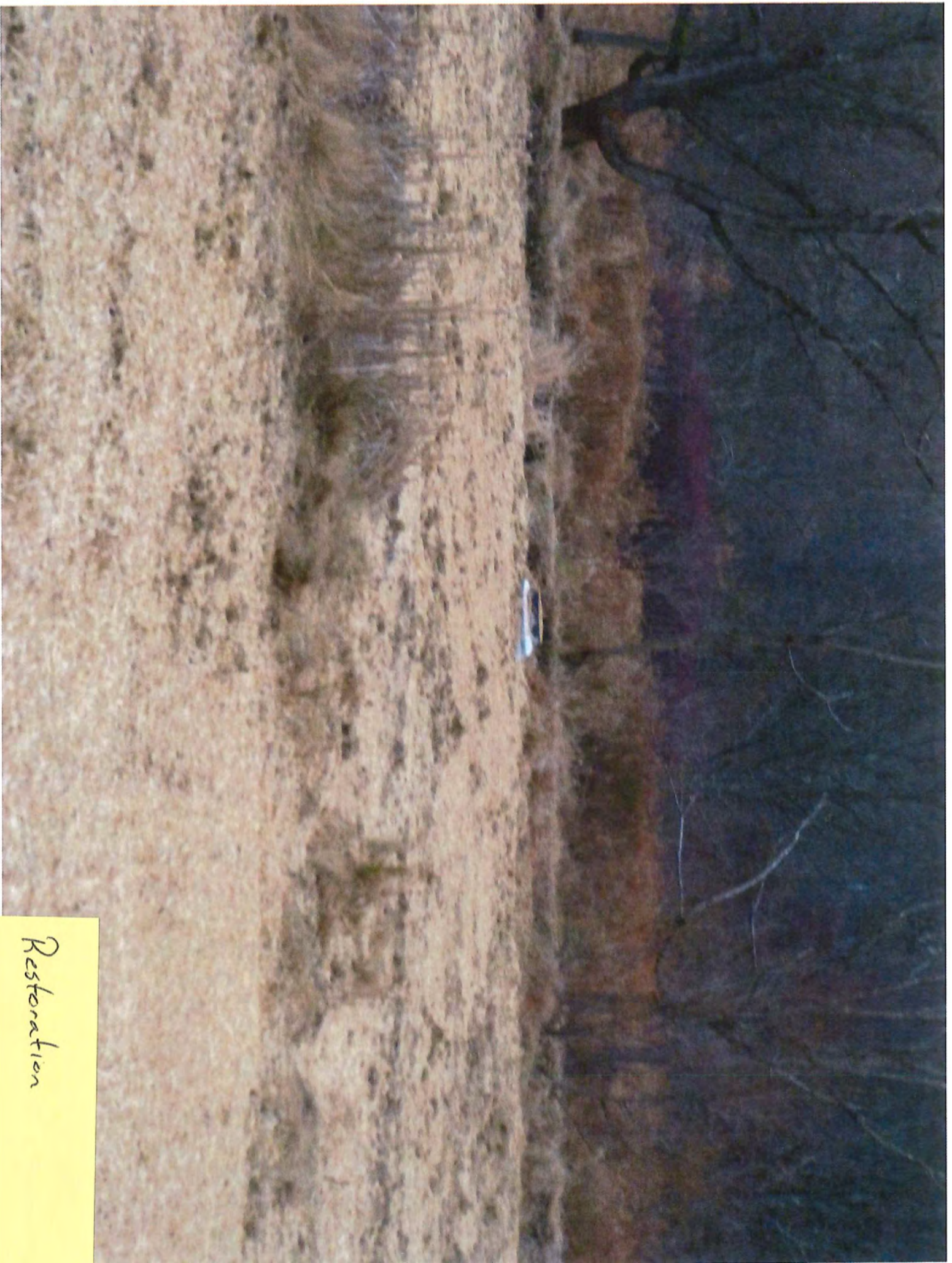


Supervisor



Installing Manhole +
New Piping





Restoration



Wetlands Restored.

