EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY MEETING MINUTES February 11, 2013

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, February 11, 2013 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Fran Beck, Jack Yahraes, and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Dan Barbato (Pennoni), Scott Towler (BFES), and Walter Wujcik (Conservancy Board).

COMMON ACRONYMS:

BFES – Big Fish Environmental Services MA- Municipal Authority

BOS – Board of Supervisors NPDES – National Pollutant Discharge Elimination System

CB – Conservancy Board PC – Planning Commission
DEP – Department of Environmental Protection PR – Park & Recreation Board

EPA – Environmental protection Agency RCSTP – Ridley Creek Sewer Treatment Plant

HC – Historical Commission

SBR – Sequencing Batch Reactor

1&I – Inflow & Infiltration

SSO – Sanitary System Overflow

LCSTP – Lochwood Chase Sewer Treatment Plant

WAS – Waste Activated Sludge

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. Fran asked if anyone would be recording the meeting and there was no response.

Chairman's Report

None

Approval of Minutes

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

Approval of Invoices

1. Jack moved to approve payment of 5 Pennoni invoices:

#534558	\$5,865.25
#534559	\$5,988.75
#534560	\$1200.00
#534561	\$ 574.50
#534562	\$ 338.75

Kevin seconded the motion. The motion passed unanimously.

- 2. Kevin moved to approve payment of the Earthcore invoice #104980 for \$2,600.00. Jack seconded the motion. The motion passed unanimously.
- 3. Jack moved to approve payment of the Willow Pond Homeowners invoice for \$1,000 and John Schroder for \$1,000. Kevin seconded the motion. The motion passed unanimously.
- 4. Kevin moved to approve payment of the Gawthrop Greenwood invoice #106045 for \$1,406.80. Jack seconded the motion. The motion passed unanimously.
- 5. Jack moved to approve payment of the Membership fee to PA Municipal Auth. Assoc. of \$950.00. Kevin seconded the motion. The motion passed unanimously.

Liaison Reports

1. Conservancy Board – Walter reported the Board received a request from a resident to consider installing a walking path at the Reservoir Road Preserve. The Board will review plans for the E Boot Road planting and will start to develop definitions for specimen trees.

Financial Reports

1. Jon Altshul, CFO, provided reports with the following comment: The Municipal Authority recorded \$18,979.26 in expenses and \$4.71 in revenues in the month of January, a difference of 418,974.55. The Fund balance is now \$42,909.87.

Old Business

None

Goals

- 1. The members reviewed the goals for 2013. Jack will provide an article for the Newsletter and Ed will attend the 1st quarter meeting at West Goshen.
- 2. Rick reported that the Board of Supervisors reviewed the Goals for 2013 of all of the ABCs and feel that some of them are really tasks. The BOS has prioritized the goals, which Rick gave to Fran. Also, a copy of the "Action Plan" from the Comprehensive Plan was provided so the MA can locate their goals and prioritize them.

New Business

- 1. Bid award recommendations from Michael Ellis, Pennoni, (see attached) were reviewed by the Authority members with the following results:
 - a. The recommended bids are: Marydell Pump Station Diversion, Contract No. MPS-2013 with bid by Ply-Mar Construction Co, Inc. of \$229,835.00 and Hershey Mill Pump Station Force Main Diversion, Contract No. HMPS-2013 with bid by Delaware Valley Utility Contractors, Inc. of \$171,440.00.
 - b. Jack moved to award the 2 bids based on the recommendation of the Township engineer. Fran seconded the motion. The motion passed unanimously.
 - c. Rick reported that funds for the exceedence of the budget for the Hershey's Mill and Reserve PS bids of approximately \$9,000 will be transferred. Kevin moved to approve the transfer of \$9,000 from the Marydell to the Hershey's Mill Project. Jack seconded the motion. The motion passed unanimously.
- 2. Easements Chairman Fran Beck and Secretary Kevin Cummings signed the documents for the easements at Willow Pond.
- 3. Comprehensive Plan update Rick reported that a Comprehensive Plan Task Force is being formed. It will consist of 1 regular member and 1 alternate from each ABC except the Planning Commission which will have 2 members and 2 alternates. The first meeting will be Monday, February 25, 2013 at 7:00 pm at the Township Building. The update is expected to take about 18 months. The Municipal Authority will be asked to attend on an "as needed" basis.

Capacity Requests

None

Sewer Reports

1. <u>Mark Miller, Director of Public Works,</u> provided the following report for January: <u>Meters –</u> The meters were read on a daily basis with no problems to report.

<u>CC Collection:</u> All pump stations were visited on a daily basis. We experienced a problem at the Ashbridge pumping station due to a power outage. The transducer was knocked off line; however, the back-up float system took over the operation. Once the power was restored, we were able to bring the transducer back on line. We will be changing out the air release valve on the Ashbridge force main due to flows. This work will be done during off hours.

We received a call for a lateral blockage at 1560 Tanglewood Drive. The blockage was between the clean-out and the sewer main. Once the lateral was cleared, the line was televised and we were able to determine that the line had a sag 5 feet below the tee. A PA One Call was made for the repairs. When the line was excavated, we found a sag in the lateral 8 feet long. The pipe was removed and we over excavated the trench and installed a foot of stone to bed the pipe.

<u>RC Collection:</u> Hunt Country Pump station was visited on a daily basis. The wet well was scraped due to a buildup of grease.

RC Plant: The Public Works Dept. was notified of a freezing problem in the screen room. We found that both heaters were down due to a motor failure. Upon further investigation, we found the heaters to be totally rusted out. I contacted the manufacturer who advised me that the warranty was no longer available. I asked them to price out new parts and a replacement cost for new heaters as well. The cost to replace the units was \$6,860.00. (Keep in mind they are explosion proof). The cost to replace the motors was \$1,750.00. It was decided to repair the existing units. Both units will be pulled out over the summer months due to the high humidity. We incurred a power outage at the plant on January 31 for a total of 18 hours. Rick reported that PECO called and wanted to shut off the switch inside the gate. Since it is inside the gate, it is the responsibility of the Township. PECO doesn't want any liability for it. Going forward, we will need a certified electrician to turn it off and on. Mark will make some calls.

<u>Alarms</u>: Alarms for the month ranged from power outages to a high level at the Ashbridge pumping station. We received a total of 18 alarms.

PA One Calls: We received 63 PA One calls for the month of January.

2. **Pennoni**: Dan Barbato provided the following engineer's report:

<u>Invoices</u>: Invoices with summaries are provided under separate cover.

<u>Ridley Creek Sewage Treatment Plant (RCSTP)</u> – Pennoni continues to coordinate with the Plant Operator and will provide operations assistance as needed. No issues were brought to our attention in January.

<u>Marydell PS Elimination -</u> We provided bid assistance services including preparation of Addendum #4, responding to questions from prospective bidders, conducting bid opening, preparing the bid tabulation, reviewing bid documents, checking contractor references, and preparing an award recommendation letter.

We continued to coordinate with the various affected utility providers. We met with PECO on-site and have coordinated with them to brace poles along the new sewer route during construction. We added notes to the plans as requested by Sunoco, and we are awaiting a determination from Sunoco regarding existing gas main depths. Verizon has not provided any comments on the plans.

<u>Hershey's Mill PS Diversion</u> – We provided bid assistance services including conducting a non-mandatory pre-bid meeting on January 23, 2013, preparation of Addenda #1 and #2, responding to questions from prospective bidders, reviewing a request for an alternative "equivalent" cured-in-place manhole lining product, conducting bid opening, preparing the bid tabulation, reviewing bid documents, checking contractor references, and preparing an award recommendation letter.

We staked out the property line (one side of easement) between the Shope and Shumaker properties at 25-foot intervals.

We observed six soil auger borings along the proposed sewer alignment and prepared boring logs. The logs were included in Addendum #2 for use by directional drillers in bidding.

<u>Reserve PS Elimination</u> – No activity since last report.

The GP-5 "Utility Line Stream Crossing" permit does not allow any construction between March 1 and June 15 because the Ridley Creek tributary that will be crossed is a protected water use for trout stocking. We tentatively propose to put the project out to bid in March, with bids due in early April and award on April 8, 2013. The contract duration will be 120 days with flexibility on the construction start date.

Hershey's Mill Muffin Monster

No activity since last report.

<u>Semi-Annual I/I Analysis</u> – We analyzed portable and permanent meter data from the 4th quarter of 2012, and we prepared a brief, interim meter analysis summary report. Meter data will be analyzed again in March, and the formal semi-annual I/I report will be submitted by March 31, 2013.

<u>Chapter 94 Annual Reports</u> – We began to collect data and information required to prepare the reports. We analyzed portable and permanent meter data from calendar year 2012, and we began to prepare the reports for the Westtown and West Goshen Service Areas.

DEP informed us that a Chapter 94 Report will not be required for the Lockwood Chase Sewage Treatment Plant since it was decommissioned in 2012. We will submit a letter to DEP documenting the Plant closure, in lieu of a full report, per their request.

3. <u>**Big Fish Environmental Services, Inc., Scott Towler presented a report for January 2013.** The following is a summary:</u>

Treatment Process Operation

During January, there were no exceedances of the final effluent discharge limitations for outfall 001. There was no discharge from outfall 002. The monthly average total phosphorus concentration was 0.23 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 <0.10 mg/L to .041 mg/L.

As a comparison, the December 2012 monthly average total phosphorus concentration was 0.20 mg/L. The total phosphorus concentration discharged ranged from <0.10 mg/L to 0.38 mg/L.

Sequencing batch reactors (SBRs) 1, 3 and 4 were in service during the month of January. Process monitoring of each SBR included ammonia as N, nitrite as N, COD SSV MLSS and total phosphorus. Microscopic examinations and physical observation of the SBR MLSS and foam color is ongoing.

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 of total phosphorus 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 largely consistent through January with increased volume addition towards the end of the month. The increase in alum use is largely the result of placing the LMI chemical fee pump online beginning January 23, 2013. This chemical feed pump provides aluminum sulfate solution prior to filtration to assist in total phosphorus removal.

SBR 2 remains out of service. Approximately 8 feet (154,500 gallons) of mixed liquor was transferred to the sludge holding tanks for dewatering. The remaining contents are mixed and are aerated (blower in hand mode at reduced speed). Transfer of the remaining mixed liquor will occur as freezing conditions are minimized.

Process Monitoring On-Line Instrumentation

Kershner Technologies installed a ChemScan phosphate analyzer on January 29, 2013. Comparison testing for reactive (ortho) and total phosphorus is ongoing with a formalized plan beginning February 10th.

During the month, the centrifuge dewatering system was placed in service. 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 #1 was in service. The level at the beginning of the month was 10.54 feet and the level at the end of the month was 4.96 feet. The initial total solids concentration was 1.31% and ended the month as 0.70% total solids. A total of 118,125 gallons of supernatant was decanted during the month.

Sludge holding tank #2 was in service. The level at the beginning of the month was 8.77 feet and the level at the end of the month was 13.66 feet. The initial total solids concentration was 0.70% and ended the month as 0.73% total solids. No supernatant was decanted. Sludge was dewatered using the centrifuge.

Significant Storm Events – During January there was 1 significant rainfall event contributing to excessive influent wastewater flows to the treatment facility. The event occurred on January 31st. On the 31st, the influent flow to the SBRs was greater than 100% of the daily average hydraulic design capacity from 3:51 AM through 8:38 AM. The treatment process experienced 3 filled decants; however, the final effluent composite sample was satisfactory.

Minor Repairs & Preventative Maintenance

- a. ACS was contacted to schedule repair of the influent flow chart recorder.
- b. ACS was contacted to provide a flow meter signal cable to connect the new influent "field" flow meter to the influent sampler located at the doghouse manhole to provide for flow proportioned sample collection of the influent wastewater.

In answer to Kevin's question about filamentous, Scott responded that it was ok and they are still on track to being compliant.

Any Other Matter

None

Correspondence

None

<u>Adjournment</u>
There being no further business, Jack moved to adjourn the meeting. Kevin seconded the motion. The motion passed unanimously. The meeting was adjourned at 7:40pm.

Respectfully submitted,

Ruth Kiefer **Recording Secretary**

East Goshen Municipal Authority Tabulation of Bids Received Until 10:00 a.m. Prevailing time on February 5, 2013

DIVERSION	ON DIVERSION		CONTRACT No. MPS-2013		Ply-Mar (965 P Plymouth ?	Ply-Mar Construction Co., Inc. 965 Plymouth Road Plymouth Meeting, PA 19462	Ronald S 559 Tre Downingtor	Ronald Smith, Inc. 559 Trestle Place Downingtown, PA 19335	A. Gargiul 643 C Brookhav	A. Garginie & Sons Inc. 643 Creek Road Brookhaven, PA 19015		SJM Construe I PO B Spring Hone	SJM Construction Company, Inc. PO Box 373 Spring House, PA 19477	SJM Construction Company, Out of Site Infra Inc. 693 Paint PO Box 373 Media, P.	135. Out of Site Infrastructure, Inc. 693 Painter Street Media, PA 19063	SIM Construction Company, Out of Site Infrastructure, Inc. 693 Painter Street 520 State Roa Spring House, Pol. 19477 Media, PA 19063 Bensalem,	BrightLine Construction Inc. 550 State Road, Suite 100 Bensalem, PA 19020	Bright Line Construction Inc. 550 State Road, Suite 100 Bensalem, PA 19020 Kin
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Interly Security Mish Edward ALIA and EXMH201 via Open Cut OR Jack & Bore Interly Security Mish Charles Security Security States of Security Secur	Intro-y Sewert Math Detrovent MH46 and ENAMH-2010 via Open Cut OR. Judic & Brown 82 L.F. \$20,000 \$23,60,000 \$27,631 \$14,98,42 1.88 1.89 \$27,000 \$27,10000 \$27,1000	6	Sanitary Sewer Main in Non-Paved Areas, 10-15 ft. deep, between EXMH-101 and MH-6		\$45.0		_	\$39,239,40		\$125.00	Ī	\$31,875.00	\$31,875.00 \$72.00 \$	\$31,875.00 \$72.00 \$18,360,00	\$31,875.00 \$72.00 \$18,360,00 \$115.00	\$31,875.00 \$72.00 \$18,360,00 \$115,00 \$29,325.00	\$31,875.00 \$72.00 \$18,360.00 \$115.00 \$29,325.00 \$95.00	\$31,875.00 \$72.00 \$18,360.00 \$115.00 \$29,325.00 \$95.00 \$24,225.00
AB Basic P Sandray Societ Main Under Dook Road 118	all Base of Stanliney Sewer Main Under Boot Road 118 L.F. \$250,000 \$25,000	7	Sanitory Sewer Main between MH-6 and EXMH-201 via Open Cut OR Jack & Bore ontractor's choice)		1000			\$14.400.45		2000		200 00	00 000 613	510.00	\$13.300.00	מי מיני מיני מיני מיני מיני מיני מיני מ	\$100.00 \$100.00 \$100.00 \$100.00 \$100.00 \$100.00	מי מיני מי
18. (b. 10 f. deep 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	18. (2-10.16. deep 18. deep 18. (2-10.16. deep 18. dee	∞	ck and Bore 8" Sanitary Sewer Main Under Boot Road	Ī	\$230.0		7	\$3) 832 86		2760 00	5760.00 \$89.680.00	00.089.682	00.089.682	00.000	00.000 00.000 00.000 00.000 00.000	200 ASO	00.023 00.025 00	00,000,100 00,00
Each 15 ft. deetp Each 15 ft. deetp EAC \$1,500.00 \$2,000.00 \$2,500.00 \$3,500	Sec. Del S. Adap Sec. S. S. S. S. S. S. S.	9	anholes, 0-10 ft. deep		\$3,000.0	1	\dagger	\$7,106,40	اي	5.500.00	i	i	\$16,500,00 \$3,190,00	\$16,500,00 \$3,190,00 \$9,570,00 \$	\$16,500,00 \$3,190,00 \$9,570,00 \$	\$16,500,00 \$3,190,00 \$9,570,00 \$4,572,00	\$16,500,00 \$3,190,00 \$9,570,00 \$4,572,00 \$13,716,00 \$	\$16,500,00 \$3,190,00 \$9,570,00 \$4,572,00 \$13,716,00 \$4,600,00
EACH Service	1 EACT EAC	10	anholes, 10-15 ft, deep	ĺ	\$3,500.0			\$5,142.40	\$7	\$7,000.00	1	\$14,000.00	\$14,000.00 \$4,480.00	\$14,000.00 \$4,480.00 \$8,960.00	\$14,000.00 \$4,480.00 \$8,960.00 \$5,120.00	\$14,000.00 \$4,480.00 \$8,960.00 \$5,120.00 \$10,240.00	\$14,000.00 \$4,480.00 \$8,960.00 \$5,120.00 \$10,240.00 \$7,000.00	\$14,000.00 \$4,480.00 \$8,960.00 \$5,120.00 \$10,240.00 \$7,000.00 \$14,000.00
Existing Port Lateral Diversion 21,000.00 \$1,000	pil hvenerial Ratentia Diversida. gil Terrement Ratentia (10º filide parement section) 275 S.Y. S. 8000 S. 22,0000 S. 33,000.00 S. 33,000.00 S. 30,000.00 S. 3	=	Lateral Services	1 EA.	\$1,000.0		Ī	\$3,800.00	2	\$1,000.00		\$1,000.00	\$1,000.00 \$1,160.00	\$1,000.00 \$1,160.00 \$1,160.00	\$1,000.00 \$1,160.00 \$1,672.00	\$1,000.00 \$1,160.00 \$1,60.00 \$1,672.00 \$1,672.00	\$1,000.00 \$1,160.00 \$1,672.00 \$1,672.00 \$1,100.00	\$1,000.00 \$1,160.00 \$1,60.00 \$1,672.00 \$1,672.00 \$1,100.00
Station of Existing Powers Station (10" flick parament section) 21" L.S. \$5,000.00 \$22,000.00 \$1,400.00 \$3,000.0	State of Parkerine Returnation (10° flick parkment section) 275 S.Y. 25,000.00 25,200.00 25,300.00 25,000.00 25,	ŭ	ow Pressure Sewer Lateral Diversion	1 L.S.	\$1,000.0	Г	Γ	\$3,000.00	\$3,	\$3,500.00	500.00 \$3,500.00	\$3,500.00	\$3,500.00 \$3,590.00	\$3,500.00 \$3,590.00 \$3,590.00	\$3,500.00 \$3,590.00 \$3,590.00 \$3,413.00	\$3,500.00 \$3,590.00 \$3,590.00 \$3,413.00 \$3,413.00	\$3,500.00 \$3,590.00 \$3,590.00 \$3,413.00 \$3,413.00 \$2,545.00	\$3,500.00 \$3,590.00 \$3,590.00 \$3,413.00 \$3,413.00 \$2,545.00 \$2,545.00
Title of Existing Pump Station and Abandoment of Existing Force Main 1 L.S. \$5,500.00 \$4,000.00 \$4,000.00 \$5 \$6,000.00 \$4,000.00 \$6,	Visit Road Closure Department of Traffic During Construction of Sower 1 L.S. \$5,000.00 \$5,000.00 \$4,000.00 \$4,000.00 \$4,000.00 \$5,000.00 \$4,000.00 \$5,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,000.00 \$3,50	ŭ	ill Depth Pavement Restoration (10" thick pavement section)		\$80.0			\$39,325.00	s	\$85,00			\$23,375.00 \$78.00	\$23,375.00 \$78.00 \$21,450.00	\$23,375.00 \$78.00 \$21,450.00 \$113.00 \$	\$23,375.00 \$78.00 \$21,450.00 \$113.00 \$31,075.00	\$23,375.00 \$78.00 \$21,450.00 \$113.00 \$31,075.00 \$89.00 :	\$23,375.00 \$78.00 \$21,450.00 \$113.00 \$31,075.00 \$89.00 \$24,475.00
III and Overlay Remaining Width of Pacif File Shoulde: 1	Ill and Overlay Remaining Width of Paul Pike Shoulder: 1 LS. \$2,000.00 \$2,200.00 \$3,2	7	emolition of Existing Pump Station and Abandonment of Existing Force Main	1 LS.	\$6,500.0			\$4,000.00	\$6,000.00	90		\$6,000.00 \$5	\$6,000.00 \$5,440.00	\$6,000.00 \$5,440.00 \$5,440.00 \$	\$6,000.00 \$5,440.00 \$5,440.00 \$7,591.00	\$6,000.00 \$5,440.00 \$5,440.00 \$7,591.00 \$7,591.00 \$24	\$6,000.00 \$5,440.00 \$5,440.00 \$7,591.00 \$7,591.00 \$24,000.00	\$6,000.00 \$5,440.00 \$3,440.00 \$7,591.00 \$7,591.00 \$24,000.00 \$24,000.00 \$6
Ill and Overlay Remaining Width of Paul File Shoulder 75 S.Y. \$30.00 \$22,20,00 \$48.40 \$3,650,00 \$1 LRASE BID	Ill and Overlay Remaining Width of Paul PRe Shoulder 75 S.Y. \$30.00 \$22,20.00 \$48.40 \$3,650.00 \$1 LRASE BID \$20.00 \$20.00 \$20.00 \$216,784.62 \$20.00 \$216,784.62 \$20.00 \$20.00 \$216,784.62 \$20.00 \$216,784.62 \$20.00 \$216,784.62 \$20.00 \$216,000 \$22.0	15	noil Pike Road Closure Detour and/or Maintenance of Traffic During Construction of Sower etween MH-6 and EXMH-201) LS.	\$2,000.0			\$3.500.00	\$5,000	\$		SS 000 00	SS 000 00 SS 620 00	\$5,000,00 \$5,620,00 \$5,620,00 \$	\$5,000,00 \$5,620,00 \$5,620,00 \$19,503,00	00 000 00 \$5 620 00 000 \$5 000 000 \$5	00 000 \$1 \$0 00 00 \$2 620 00 \$19 \$19 \$10 00 000 \$2 00 000 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10	00 000 25 620 00 65 612 00 605 613 00 605 613 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 00 65 613 00 00 65 613 00 00 65 613 00 00 65 613 00 00 65 613 00 00 65 613 00 00 65 613 00 00 65 613 00
Accounter Curb Replacement S208,615.00 S21,500.00 S22.00 S665.00 S1,500.00 S22.00 S665.00 S1,500.00 S22.00 S22.00 S665.00 S1,500.00 S22.00 S22.0	According to a Estimated Quantities)	2	5° Mill and Overlay Remaining Width of Paoli Pike Shoulder		\$30.0			\$3,630.00	\$20.00			\$1,500.00	\$1,500.00 \$19.50	\$1,500.00 \$19.50 \$1,462.50	\$1,500.00 \$19.50 \$1,462.50 \$63.00	\$1,500.00 \$19.50 \$1,462.50 \$63.00 \$4,725.00	\$1,500.00 \$19.50 \$1,462.50 \$63.00 \$4,725.00 \$60.00	\$1,500.00 \$19.50 \$1,462.50 \$63.00 \$4,725.00 \$60.00 \$4,500.00
Accepted Catch Replacement 30 L.F. \$50.00 \$1,500.00 \$22.00 \$660.00 \$1,500.	Accorate Cuth Replacement 30 L.F. \$50.00 \$1,200.00 \$22.00 \$660.00		OTAL BASE BID based on Estimated Quantities)			S208,615.00		5236,784.62		1	\$273,830.00	5273,830.00	×	\$279,376.50	\$279,376.50 S	\$279,376.50 \$344,350.00	\$279,376.50 \$344,350,00 \$3	00.579,1650 00.05,1455 02.675,275
Afficialism-cour Excentrion and Backfill with 2A Modified Stone	Afficial innerial Extensition and Backfill with 2A Modified Stone	5 B	EM Oncrete Out Replacement		\$80.0		\$33 AA	\$660 00	00 00		\$1 \$00.00		\$70.00	\$20.00	\$70.00 \$7.370.00 \$20.75	\$79.00 \$7.00 \$7.00 \$0.75 \$0.00	C 2000 C 270 00 C 200 70 C 200	C1000 C1 270 A1 C1276 C800 C0 C80 A1 C1 C10 A1
Miscellancous Excavation and Backfill with Extended Solits	Miscellaneous Excavation and Backfill with Extended Solits	∞	iscellaneous Excavation and Backfill with 2A Modified Stone		\$60.0	Ť	\$24.00	\$480,00	\$75,00	T	\$1,500.00	\$1,500.00 \$87.00	Ī	\$87.00	\$87.00 \$1,740.00	\$87.00 \$1,740.00 \$39.50	\$87.00 \$1,740.00 \$39.50 \$790.00	\$87.00 \$1,740.00 \$39.50 \$790.00 \$90.00
Typicial Concrete Encasement (does not include encasement of telecommunications durchank)	Typicial Concrete Encasement (does not include encasement of telecommunications disclassed: 1.5" Mill and Overlay Paoli Fike Travel Lane	19	iscellaneous Excavation and Backfill with Excavated Soils		\$30.0			\$480.00	\$50.00		\$1,000.00	T	\$87.00	S87.00 S1,740.00	\$87.00 \$1,740.00 \$29.00	\$87.00 \$1,740.00 \$29.00 \$580,00	\$87.00 \$1,740.00 \$29.00 \$580.00 \$55.00	\$87.00 \$1,740.00 \$29.00 \$580.00 \$55.00 \$1,100.00
1.5° Mill and Overlay Paoli Pice Travel Line	1.5° Mill and Overlay Paoli Fibr Travel Line	20	pical Concrete Encasement (does not include encasement of telecommunications ductbank ossing)		\$50.0			\$2,000,00	\$150.00			\$3,000,00	\$3,000,00 \$114,00	\$3,000,00 \$114,00 \$2,280,00	\$3,000,00 \$114,00 \$2,280,00 \$28,00	\$3,000,000 \$114,000 \$2,280,000 \$28,000 \$38,000	\$3,000,000 \$114,000 \$2,280,000 \$28,000 \$500,000 \$114,000	\$3,000,000 \$114,000 \$2,280,000 \$53,000
TOTAL BID FOR CONTRACT MPS-2013 (RECLUDING BASE BID and ALL ADD ITEMS (Based on Estimated Quantities) DID SECURITY We Declare this to be a true Tabulation of Bids Received on February 5, 2013 by East Gostien Municipal Authority for Connect No. MFS-2013 PERNON ASSOCIATES INC. MICHAEL J. ELLIS MICHAEL J. ELLIS MICHAEL J. ELLIS MICHAEL J. ELLIS	TOTAL BID FOR CONTRACT MPS-2013 (Based on Estimated Quantities) BID SECURITY We Declare this to be a true Tabulation of Bids Received on February 3, 2013 by East Gosten Municipal Authority for Contract No. MPS-2013 FENONAL ASSOCIATES INC. MICHAEL J. ELLIS FINGINEER FINGINEER FOR: PENONAL ASSOCIATES INC.	2 2	5" Mill and Overlay Paoli Pike Travel Lane oft Dig Test Pit for Utility Locating		\$2,000.0		\$34,98	\$15,915.90	\$1,200.00		\$11,830.00	\$11,830.00 \$20.50 \$3,600.00 \$960.00	5	\$20.50 \$960.00	\$20.50 \$9.327.50 \$23.00 \$1 \$20.00 \$2.880.00 \$20.00 \$	\$20.50 \$9.327.50 \$23.00 \$12,740.00 \$25.60,00 \$23.80,00 \$23.00 \$23	\$20.50 \$9,327.50 \$28.00 \$12,740.00 \$40.00 \$ \$360.00 \$2.880.00 \$590.00 \$2.940.00 \$2.775.00	\$20.50 \$9.327.50 \$28.00 \$12.740.00 \$40.00 \$18,200.00 \$3.00 \$
MICHAEL J. ELLIS	TORRITY 10 % of Bid		OTAL BID FOR CONTRACT MPS-2013 NCLUDING BASE BID ned ALL ADD ITEMS 1800 on Estimated Quantifies)			S		S259,218.52			S296,260.00		ន	S299,714.00	\$299,714.00	\$299,714.00 \$362,822.50	\$299,714.00 \$362,822 <u>.50</u> \$3	\$299,714.00 \$362,822,50 \$398,400.00
Minter	ne this to be a true Tabulation exercised on February 5, 2013 by ten Municipal Authority for Conteset No. MPS-2013 VI. ASSOCIATES INC. Office III., P.E., P.A. Reg. No. PED75139 MNONU ASSOCIATES INC.		•		10	% of Bid	10%	of Bid	NO.	NE P	NONE PROVIDED		NE PROVIDED 10 % of Bid	10 % of Bid		10% of Bid 10% of Bid	10 % of Bid	10% of Bid 10% of Bid
	HEIIII, P.E., FA REG. NO. PEUTSI39		HIII Cles	J. ELLIS		•												

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-			Delaware Valley Utility	alley Utility	Brubacher Excavating, Inc.	avating, Inc.	Botella Construction &		SIM Construction	Company Inc
			Contractors, Inc. 225 Warren St	ors, Inc.	825 Reading Road PO Box 528	ng Road k 528	Excavation 190 Lockslev Rd		PO Box 373	x 373
CONI	CONTRACT No. HMPS-2013		Reading, PA 19601	A 19601	Bowmansville, PA 1750	e, PA 17507	Glen Mills, PA 19342	PA 19342	Spring House, PA 19477	, PA 19477
HERS	HERSHEY MILL PUMP STATION FORCE MAIN DIVERSION	DIVERSION	(P) 610-372-7390	72-7390	(P) 717-445-4571	45-4571	(P) 610-399-3359	99-3359	(P) 215-628-3905	28-3905
NO.	DESCRIPTION	ESTIMATED QUANTITY/UNIT	COST	AMOUNT	UNIT	AMOUNT	COST	AMOUNT	COST	AMOUNT
BASE BID	OTH 3						-			
-	Site Preparation, Erosion and Sediment Controls,				400					
	and Restoration	1 L.S.	\$35,500,00	\$35,500,00	\$31,000.00	\$31,000.00	\$5,500.00	\$5.500.00	\$17,470.00	\$17 470 00
13	6" HDPE SDR11 Force Main	975 L.F.	\$68.00	\$66,300.00	\$90.50	\$88,237.50	\$95,00	\$92,625,00	\$167.00	\$162.825.00
ω	10" HDPE SDR11 Force Main	15 L.F.	\$800.00	\$12,000,00	\$1,025,00	\$15,375.00	\$1,000.00	\$15,000.00	\$290.00	00 05: PS
4	6" Gate Valve	1 EA.	\$3,200.00	\$3,200.00	\$2,550,00	\$2,550,00	\$6,500.00	\$6.500.00	\$1.790.00	\$1 790 00
5	Superpave 25mm Base Course, 8" Depth	70 S.Y.	\$68.00	\$4,760.00	\$100,00	\$7,000.00	\$55,00	\$3,850.00	\$122.00	\$8,540.00
0	Superpave 25mm Base Course, 5" Depth	35 S.Y.	\$58.00	\$2,030.00	\$85.00	\$2,975.00	\$35.00	\$1,225,00	\$108.00	\$3,780.00
,	Cured-in-Place Manhole Liner for MH-114	1 L.S.	\$5,200.00	\$5,200.00	\$6,000.00	\$6,000.00	\$9,000.00	\$9,000.00	\$6,300.00	\$6,300.00
0	Cured-in-Place Manhole Liner for MH-115	1 L.S.	\$7,000.00	\$7,000.00	\$8,000.00	\$8,000.00	\$9,000.00	\$9,000.00	\$8,210.00	\$8,210,00
; .	Abandonment of Existing 6" Force Main		\$24,000.00	\$24,000.00	\$16,400.00	\$16,400.00	\$7,000.00	\$7,000.00	\$21,180.00	\$21,180,00
: 2	riowable rill	25 C.Y.	\$240.00	\$6,000.00	\$160.00	\$4,000.00	\$3,000.00	\$75,000.00	\$350.00	\$8,750.00
;	Station	1 LS	\$3.200.00	\$3,200.00	\$5 100 00	\$5 100 00	\$10,000,00	\$10.000 px	20000	
	TOTAL BASE BID						#10,000,00	\$20,000,00	00.017.410	314,910.00
	(Based on Estimated Quantities)			\$169,190,00		\$186,637.50		\$234,700.00		\$258,105.00
ADD	ADD ITEMS									The second secon
ដ	Miscellaneous Excavation and Backfill with 2A									
	Modified Stone	10 C.Y.	\$60.00	\$600,00	\$92,00	\$920.00	\$100.00	\$1,000,00	\$92.00	8630.00
13	Miscellaneous Excavation and Backfill with									###C.00
	Excavated Soils	10 C.Y.	\$35.00	\$350.00	\$42.00	\$420.00	\$100.00	\$1,000.00	\$92,00	\$920.00
14	Typical Concrete Encasement	20 L.F.	\$65.00	\$1,300.00	\$92.00	\$1,840.00	\$250.00	\$5,000.00	\$146.00	\$2 920 00
	TOTAL BID FOR CONTRACT HMPS-2013 INCLUDING BASE BID and ALL ADD ITEMS			\$171,440.00		C180 817		\$3.41 700 00		
	(Based on Estimated Quantities)			31/1 /14 0.00		3189,817.50		\$241,700.00		\$262,865.00
	BID SECURITY		10 % of Bid	f Bid	10 % of Bid	fBid	NONE PROVIDED	OVIDED	10 % of Bid	√f Bid
	We Declare this to be a true Tabulation of Bids received on February 6, 2013 by East Goshen Municipal Authority for Contract No. HMPS-2013	ry 6, 201					·			
	BID SECURITY We Declare this to be a true Tabulation of Bids receive by East Goshen Municipal Authority for Contract No.	ry 6, 201	O.E.		10%0	fBid	NONE PRO	OVIDED	10%0	of Bid

PENNONI ASSOCIATES INC.

Michael J/Ellis, P.E., PA Reg. No. PE075139 FOR: PENNONI ASSOCIATES INC.

MICHAEL J. ELLIS
PED75139 APROFESSIONAL A