

AGENDA
EAST GOSHEN TOWNSHIP
BOARD OF SUPERVISORS

Tuesday, August 16, 2016
7:00 PM

1. Call to Order
2. Pledge of Allegiance
3. Moment of Silence – Supervisor Carmen Battavio
4. Ask if anyone is recording the meeting
5. Chairman’s Report
 - a. Announce that the Board met in Executive Session on August 2, 2016 to discuss a legal matter related to the police.
 - b. Announce that Community Day will be held on August 27, 2016.
6. Public Hearing - none
7. Emergency Services Reports
 - WEGO – Chief Brenda Bernot
 - Goshen Fire Co. - none
 - Malvern Fire Co – none
 - Fire Marshal – none
8. [Financial Report – July 2016 Financial Report & Year-End Projections](#)
9. Old Business - none
10. New Business
 - a. [Consider dimensional variance request for 907 Madison Drive](#)
 - b. [Consider recommendation about Trail Committee.](#)
 - c. [Consider Recreation Survey results](#)
 - d. [Consider acknowledging efforts of the Friends of East Goshen.](#)
 - e. [Consider proposal from Gannet Fleming for Milltown Dam and Hershey Mill Dam](#)
 - f. [Consider Stormwater Agreement for 346 Davis Circle](#)
 - g. [Consider amending the DCED CFA Paoli Pike Trail Grant Application for Segments D & E.](#)
 - h. [Consider recommendation about false alarms.](#)
 - i. [Consider recommendation about vehicles.](#)
11. Any Other Matter
12. Approval of Minutes
 - a. [July 5, 2016](#)
 - b. [August 2, 2016](#)
13. [Treasurer’s Report – August 11, 2016](#)
14. Correspondence, Reports of Interest
 - a. [2nd Quarter 2016 Sunoco Monitoring Report](#)
 - b. [2015 West Goshen Sewer and Reserve](#)
15. Public Comment – Hearing of Residents
16. Adjournment

The Chairperson, in his or her sole discretion, shall have the authority to rearrange the agenda

in order to accommodate the needs of other board members, the public or an applicant.

Dates of Importance

Aug 16, 2016	Board of Supervisors	7:00pm
Aug 18, 2016	Farmers Market/Car Cruise	3:00pm/5:00pm
Aug 24, 2016	Futurist Committee	7:00pm
Aug 25, 2016	Farmers Market	3:00pm
Aug 27, 2016	Community Day	5:00pm
Sep 01, 2016	Farmers Market	3:00pm
Sep 01, 2016	Park and Recreation Commission	7:00pm
Sep 05, 2016	Labor Day (Office Closed)	All Day
Sep 06, 2016	Board of Supervisors	7:00pm
Sep 07, 2016	Planning Commission	7:00pm
Sep 08, 2016	Farmers Market/Nutrition Class at Market	3:00pm/3:00pm
Sep 12, 2016	Municipal Authority	7:00pm
Sep 14, 2016	Conservancy Board	7:00pm
Sep 15, 2016	Farmers Market/Car Cruise at Market	3:00pm/5:00pm
Sep 15, 2016	Liv Live Concert at Amphitheater	5:00pm
Sep 20, 2016	Applebrook Golf	1:00pm
Sep 20, 2016	Board of Supervisors	7:00pm
Sep 21, 2016	Futurist Committee	7:00pm
Sep 22, 2016	Farmers Market	3:00pm
Sep 29, 2016	Farmers Market	3:00pm

Newsletter Deadlines for Winter of 2016: November 1

Memo

To: Board of Supervisors
From: Jon Altshul
Re: July 2016 Financial Report & Year-End Projections
Date: August 10, 2016

Net of pass-through accounts, as of July 31st the general fund had revenues of \$6,236,077 and expenses of \$5,753,244 for a year-to-date surplus of \$482,833. Compared to the YTD budget, revenues were \$22,197 over budget and expenses were \$138,879 under budget for a positive budget variance of \$161,077, an improvement of about \$125,000 since last month. As of July 31st, the general fund balance was \$5,179,623.

On the expense side, Parks and Recreation was \$96,279 over-budget due to the timing of invoices paid to Gannett Fleming for the Milltown Dam study and tree work in the park. All other departments were under-budget.

On the revenue side, Earned Income Tax is now \$157,342 under budget, which is about \$15,000 worse than last month. A clearer picture about EIT will emerge later this month, as we receive the last of the Q2 remittances. Real Estate Property Tax is \$41,383 over budget due to a large interim payment. Real Estate Transfer Tax is \$24,777 under budget reflecting sales through June. Local Services Tax continues to be strong with a positive budget variance of \$41,383.

Other funds

- The **State Liquid Fuels Fund** had \$503,733 in revenues and \$0 expenses. The fund balance is \$503,932.
- The **Sinking Fund** had \$35,687 in revenues and \$627,559 in expenses. The fund balance is \$5,675,589.
- The **Transportation Fund** had \$11,137 in revenues and \$0 in expenses. The fund balance is \$1,072,349.
- The **Sewer Operating Fund** had \$1,939,852 in revenues and \$1,780,992 in expenses. The fund balance is \$787,898.
- The **Refuse Fund** had \$616,203 in revenues and \$574,451 in expenses. The fund balance is \$697,436.
- The **Sewer Sinking Fund** had \$1,791 in revenues and \$33,052 in expenses. The fund balance is \$2,072,064.
- The **Operating Reserve Fund** had \$1,835 in revenues and no expenses. The fund balance is \$2,484,370.
- The **Events Fund** had \$7 in revenues and no expenses. The fund balance is \$45,022.

Year-end Projections

As of July 31st, the year-end projections are unchanged from a month ago. Two key variables could result in changes to the forecast next month, including final invoices for resurfacing and more information on Earned Income Tax receipts from Q2. Therefore, I continue to project that the general fund will end the year with a deficit of \$223,653, or a positive variance of about \$100,000 compared to the adopted budget, which allocated \$323,184 from the unreserved fund balance.

Year-end projections for other funds, including sinking, sewer operating and refuse, are unchanged as well.

EAST GOSHEN TOWNSHIP
JULY 2016 GENERAL FUND SUMMARY
 July 31, 2016

Account Title	Annual Budget	Y-T-D Budget	Y-T-D Actual	Budget-Actual Variance	Year-End Projection	Budget-YE Proj Variance
GENERAL FUND						
EMERGENCY SERVICES EXPENSES	4,345,656	3,054,423	2,869,973	(184,450)	4,159,413	(186,243)
PUBLIC WORKS EXPENSES	2,634,879	1,268,389	1,309,808	41,419	2,741,745	106,866
ADMINISTRATION EXPENSES	1,646,376	879,526	865,551	(13,975)	1,656,555	10,179
ZONING/PERMITS/CODES EXPENSES	538,192	309,102	239,537	(69,565)	490,669	(47,523)
PARK AND RECREATION EXPENSES	531,450	291,608	379,296	87,688	692,724	161,274
TOTAL CORE FUNCTION EXPENSES	9,696,553	5,803,048	5,664,165	(138,883)	9,741,107	44,554
EMERGENCY SERVICES REVENUES	67,595	47,177	46,545	(632)	61,279	(6,316)
PUBLIC WORKS REVENUES	974,509	228,699	295,831	67,132	1,111,285	136,776
ADMINISTRATION REVENUES	325,020	148,943	166,046	17,103	337,494	12,474
ZONING/PERMITS/CODES REVENUES	242,150	151,684	212,423	60,739	332,522	90,372
PARK AND RECREATION REVENUES	152,878	86,135	77,544	(8,591)	140,911	(11,967)
TOTAL CORE FUNCTION REVENUES	1,762,152	662,638	798,389	135,751		221,339
NET EMERGENCY SERVICES EXPENSES	4,278,061	3,007,246	2,823,429	(183,817)	4,098,134	(179,927)
NET PUBLIC WORKS EXPENSES	1,660,370	1,039,690	1,013,977	(25,713)	1,630,460	(29,910)
NET ADMINISTRATION EXPENSES	1,321,356	730,583	699,505	(31,078)	1,319,061	(2,295)
NET ZONING/PERMITS/CODES EXPENSES	296,042	157,418	27,114	(130,304)	158,147	(137,895)
NET PARK AND RECREATION EXPENSES	378,572	205,473	301,752	96,279	551,813	173,241
CORE FUNCTION NET SUBTOTAL	7,934,401	5,140,410	4,865,777	(274,633)	7,757,616	(176,785)
DEBT - PRINCIPAL	498,001	0	0	0	498,001	0
DEBT - INTEREST	150,270	89,075	89,077	2	150,270	0
TOTAL DEBT	648,271	89,075	89,077	2	648,271	0
TOTAL CORE FUNCTION NET	8,582,672	5,229,485	4,954,854	(274,631)	8,405,887	(176,785)
NON-CORE FUNCTION REVENUE						
EARNED INCOME TAX	4,921,500	2,863,032	2,705,690	(157,342)	4,821,500	(100,000)
REAL ESTATE PROPERTY TAX	1,997,165	1,962,012	2,003,395	41,383	2,023,658	26,493
REAL ESTATE TRANSFER TAX	525,000	306,250	281,473	(24,777)	500,000	(25,000)
CABLE TV FRANCHISE TAX	467,747	233,873	234,457	584	469,000	1,253
LOCAL SERVICES TAX	320,000	173,262	197,731	24,469	340,000	20,000
OTHER INCOME	28,076	12,813	14,942	2,129	28,076	0
TOTAL NON CORE FUNCTION REVENUE	8,259,488	5,551,242	5,437,689	(113,553)	8,182,234	(77,254)
NET RESULT	(323,184)	321,757	482,834	161,077	(223,653)	99,531

SUMMARY OF FUNDS REPORT (AKA "JOE REPORT")
ALL FUNDS JULY 2016

* NOTE: GENERAL FUND INCLUDES PASS-THROUGH ACCOUNTS

	GENERAL FUND*	LIQUID FUELS STATE FUND	SINKING FUND	TRANSPORT. FUND	SEWER OP. FUND	REFUSE FUND	SEWER SINK FUND	OPERATING RESERVE	EVENTS FUND	TOWNSHIP FUNDS	MUNICIPAL AUTHORITY
01/01/16 BEGINNING BALANCE	\$4,803,331	\$200	6,267,461	1,061,213	629,037	655,683	\$2,103,325	\$2,482,535	\$45,015	\$18,045,508	\$1,461,276
RECEIPTS											
310 TAXES	\$5,463,935	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,463,935	\$0
320 LICENSES & PERMITS	\$63,663	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,663	\$0
330 FINES & FORFEITS	\$19,642	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,642	\$0
340 INTERESTS & RENTS	\$75,936	\$286	\$35,687	\$1,400	\$419	\$560	\$1,791	\$1,935	\$7	\$117,922	\$928
350 INTERGOVERNMENTAL	\$0	\$503,447	\$0	\$0	\$1,939,433	\$0	\$0	\$0	\$0	\$2,442,880	\$0
360 CHARGES FOR SERVICES	\$341,896	\$0	\$0	\$0	\$0	\$615,643	\$0	\$0	\$0	\$957,539	\$48,428
380 MISCELLANEOUS REVENUES	\$734,994	\$0	\$0	\$9,736	\$0	\$0	\$0	\$0	\$0	\$744,731	\$564
390 OTHER FINANCING SOURCES	\$208,740	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$208,740	\$25,000
	<u>\$6,908,806</u>	<u>\$503,733</u>	<u>\$35,687</u>	<u>\$11,137</u>	<u>\$1,939,852</u>	<u>\$616,203</u>	<u>\$1,791</u>	<u>\$1,935</u>	<u>\$7</u>	<u>\$10,019,051</u>	<u>\$74,920</u>
EXPENDITURES											
400 GENERAL GOVERNMENT	\$729,174	\$0	\$20,044	\$0	\$0	\$0	\$0	\$0	\$0	\$749,218	\$0
410 PUBLIC SAFETY	\$3,752,479	\$0	\$0	\$0	\$0	\$0	\$33,052	\$0	\$0	\$3,785,531	\$0
420 HEALTH & WELFARE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
426 SANITATION & REFUSE	\$63,736	\$0	\$0	\$0	\$1,213,801	\$574,451	\$0	\$0	\$0	\$1,851,988	\$114,203
430 HIGHWAYS,ROADS & STREETS	\$1,128,973	\$0	\$62,115	\$0	\$0	\$0	\$0	\$0	\$0	\$1,191,089	\$0
450 CULTURE-RECREATION	\$340,661	\$0	\$477,107	\$0	\$0	\$0	\$0	\$0	\$0	\$817,787	\$0
460 CONSERVATION & DEVELOPMENT	\$1,484	\$0	\$68,293	\$0	\$0	\$0	\$0	\$0	\$0	\$69,777	\$0
470 DEBT SERVICE	\$109,948	\$0	\$0	\$0	\$542,191	\$0	\$0	\$0	\$0	\$652,139	\$0
480 MISCELLANEOUS EXPENDITURES	\$402,932	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$402,932	\$0
490 OTHER FINANCING USES	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000	\$0
	<u>\$6,529,407</u>	<u>\$0</u>	<u>\$627,559</u>	<u>\$0</u>	<u>\$1,780,992</u>	<u>\$574,451</u>	<u>\$33,052</u>	<u>\$0</u>	<u>\$0</u>	<u>\$9,545,460</u>	<u>\$114,203</u>
2016 SURPLUS/(DEFICIT)*	\$379,400	\$503,733	(\$591,872)	\$11,137	\$158,860	\$41,752	(\$31,261)	\$1,935	\$7	\$473,591	(\$39,269)
CLEARING ACCOUNT ADJUSTMENTS											
7/31/2016 ENDING BALANCE	<u>\$5,179,623</u>	<u>\$503,932</u>	<u>\$5,675,589</u>	<u>\$1,072,349</u>	<u>\$787,898</u>	<u>\$697,436</u>	<u>\$2,072,064</u>	<u>\$2,484,370</u>	<u>\$45,022</u>	<u>\$18,518,282</u>	<u>\$1,421,993</u>

SUMMARY OF FUNDS REPORT (AKA "JOE REPORT")
ALL FUNDS YEAR END PROJECTION JULY 2016
 * NOTE: GENERAL FUND INCLUDES PASS-THROUGH ACCOUNTS

	GENERAL FUND*	LIQUID FUELS STATE FUND	SINKING FUND	TRANSPORT. FUND	SEWER OP. FUND	REFUSE FUND	SEWER SINK FUND	OPERATING RESERVE	EVENTS FUND	TOWNSHIP FUNDS	MUNICIPAL AUTHORITY
01/01/16 BEGINNING BALANCE	\$4,803,331	\$200	6,267,461	1,061,213	629,037	655,683	\$2,103,325	\$2,482,535	\$45,015	\$18,045,508	\$1,461,276
RECEIPTS											
310 TAXES	\$8,154,158	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,154,158	\$0
320 LICENSES & PERMITS	\$59,715	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$59,715	\$0
330 FINES & FORFEITS	\$34,376	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,376	\$0
340 INTERESTS & RENTS	\$126,302	\$390	\$41,650	\$1,400	\$600	\$821	\$2,500	\$6,500	\$10	\$180,173	\$1,079
350 INTERGOVERNMENTAL	\$147,932	\$503,447	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,051,379	\$0
360 CHARGES FOR SERVICES	\$524,219	\$0	\$0	\$0	\$3,256,964	\$989,613	\$0	\$0	\$0	\$4,770,796	\$46,146
380 MISCELLANEOUS REVENUES	\$158,581	\$0	\$0	\$9,736	\$0	\$0	\$0	\$0	\$0	\$168,317	\$423
390 OTHER FINANCING SOURCES	\$960,442	\$0	\$369,006	\$0	\$28,092	\$0	\$205,750	\$0	\$15,000	\$1,578,290	\$75,000
	\$10,165,725	\$503,837	\$810,656	\$11,136	\$3,285,656	\$990,435	\$208,250	\$6,500	\$15,010	\$15,997,205	\$122,648
EXPENDITURES											
400 GENERAL GOVERNMENT	\$1,275,125	\$0	\$277,560	\$0	\$0	\$0	\$0	\$0	\$0	\$1,552,685	\$0
410 PUBLIC SAFETY	\$4,586,063	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,586,063	\$0
420 HEALTH & WELFARE	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000	\$0
426 SANITATION & REFUSE	\$123,000	\$0	\$0	\$0	\$2,423,382	\$1,064,173	\$186,103	\$0	\$0	\$3,796,658	\$179,136
430 HIGHWAYS,ROADS & STREETS	\$2,420,738	\$503,837	\$257,945	\$346,500	\$0	\$0	\$0	\$0	\$0	\$3,529,020	\$0
450 CULTURE-RECREATION	\$645,415	\$0	\$628,674	\$0	\$0	\$0	\$0	\$0	\$0	\$1,274,089	\$0
460 CONSERVATION & DEVELOPMENT	\$7,529	\$0	\$67,892	\$0	\$0	\$0	\$0	\$0	\$0	\$75,421	\$0
470 DEBT SERVICE	\$668,767	\$0	\$0	\$0	\$881,744	\$0	\$0	\$0	\$0	\$1,550,511	\$28,092
480 MISCELLANEOUS EXPENDITURES	\$641,741	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$641,741	\$0
490 OTHER FINANCING USES	\$15,000	\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$90,000	\$0
	\$10,389,378	\$503,837	\$1,232,071	\$346,500	\$3,380,126	\$1,064,173	\$186,103	\$0	\$0	\$17,102,188	\$207,228
2016 SURPLUS/(DEFICIT)*	(\$223,653)	\$0	(\$421,415)	(\$335,364)	(\$94,471)	(\$73,739)	\$22,147	\$6,500	\$15,010	(\$1,104,984)	(\$84,580)
PROJECTED 12/31/2016 ENDING BAL	\$4,579,679	\$200	\$5,846,046	\$725,849	\$534,567	\$581,945	\$2,125,472	\$2,489,035	\$60,025	\$16,942,815	\$1,376,696

EAST GOSHEN TOWNSHIP
PLANNING COMMISSION

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

August 8, 2016

Board of Supervisors
East Goshen Township
1580 Paoli Pike
West Chester, PA. 19380

Re: McNeely Dimensional Variance
907 Madison Drive
TPN 53-2-92

Dear Board Members:

At their meeting on August 3, 2016 the Planning Commission unanimously passed a motion to recommend that the Board of Supervisors oppose the variance request because there is no hardship to warrant the relief requested, with the caveat that if the variance is granted that the applicant be required to keep and maintain the existing vegetative screen that exists on the east side of the proposed garage.

Sincerely,



Louis F. Smith, Jr
Township Manager

Cc: David and Lia McNeely
Charles Gerbron, Esquire

**EAST GOSHEN TOWNSHIP
ZONING HEARING BOARD APPLICATION**

1580 PAOLI PIKE WEST CHESTER, PA 19380-6199
PHONE (610)-692-7171 FAX (610)-692-8950

Name of Applicant: David and Lia McNeely

Applicant Address: 907 Madison Drive
Malvern, PA 19355

Telephone Number: 610-349-4020 Fax Number: _____

Email Address: dhmcneely@gmail.com

Property Address: 907 Madison Drive
Malvern, PA 19355

Tax Parcel Number: 53-2-92 Zoning District: R-2 Acreage: 1.86

Purpose of Application (check one)

- Variance (Type: Use Variance Dimensional Variance)
 Special Exception
 Appeal determination of the Zoning Officer
 Other _____

Sections of Zoning Ordinance in which relief is sought:

Section 240-9.G (relating to side-yard setbacks)

Description of the Zoning Relief requested and the future use of the property:

See attached Narrative in Support of Application.

We hereby acknowledge that we have read this application and state that the above is correct and agree to comply with all provisions of the East Goshen Township Zoning Ordinance applicable to this project and property.


Signature of Applicant

7.18.16
Date

***Please review the formal application and review procedures on page three.**

EAST GOSHEN TOWNSHIP ZONING HEARING BOARD APPLICATION

1580 PAOLI PIKE WEST CHESTER, PA 19380-6199
PHONE (610)-692-7171 FAX (610)-692-8950

This checklist outlines the steps and items needed to insure completeness of the application and to insure the application follows the process and conforms to the timeframe outlined by the state of Pennsylvania and East Goshen Township. This checklist is broken into two parts, the Application process and the Review Process. The application process must be completed in its entirety prior to the applications advancement into the Review Process.

Applicant Name: David and Lia McNeely

Application Process Checklist (Administration use only):

- | <u>Item</u> | <u>Date Complete</u> |
|---|----------------------|
| 1. Completed Township Application Form: | _____ |
| 2. All related materials submitted: | _____ |
| 3. Township application and review fees paid: | _____ |

Application accepted on _____ by _____

Official Signature _____ Title _____

Review Process Checklist

- | <u>Item</u> | <u>Date</u> |
|---|---------------|
| 1. Start date: | _____ |
| 2. Date of first formal Planning Commission Meeting following complete application: | _____ |
| 3. Date sent to CCPC: | _____ |
| 4. Date sent to Township Engineer: | _____ |
| 5. Date presented to Planning Commission: | _____ |
| 6. Date sent to CB: | _____ |
| 7. Date sent To MA: | _____ |
| 8. Date sent to HC: | _____ |
| 9. Date sent to PRB: | _____ |
| 10. Date sent to TAB: | _____ |
| 11. Date by which the PC must act: | _____ |
| 12. Date by which Board of Supervisors must act: | _____ |
| 13. Drop Dead Date; (Day 60): | _____ |
| 14. Zoning Hearing Date: | _____ |
| 15. Dates of public advertisement:..... | _____ & _____ |

EAST GOSHEN TOWNSHIP
ZONING HEARING BOARD APPLICATION

1580 PAOLI PIKE WEST CHESTER, PA 19380-6199
PHONE (610)-692-7171 FAX (610)-692-8950

Procedures for the processing and review of Subdivision, Land Development, Conditional Use, Variance, and Special Exception Applications

August 19, 2002

2nd Revision: March 2, 2006

1. In order for any application to be considered by the Planning Commission it must be submitted to the Township with all required documentation as per the Township Code and with all applicable fees paid. The Township will use a checklist to verify all required documentation has been submitted. Until the application is complete the application will not be considered "filed" by the Township staff. The Planning Commission will acknowledge receipt of the application at their next regularly scheduled meeting.
2. All materials to be considered at the next regular meeting of the Planning Commission must be submitted with at least eleven (11) copies to the Township Staff by not later than close of business the previous Tuesday. Any materials submitted after that time will be held for the following meeting and not provided to the Commission at the upcoming meeting.
3. The application review cycle for Subdivision and Land Development Applications shall begin with the next regular meeting of the Commission after the complete application is filed. The application review cycle for Conditional Use, Variance, and Special Exception Applications shall begin the day a complete application is filed with the Township.
4. Applicants should not distribute material to the Commission during a meeting unless it is directly related to the initial presentation of the application. All materials for the Planning Commission, including any material to be used at a meeting, must be delivered to the Township Staff not later than close of business the previous Tuesday.
5. The burden of supplying necessary materials to the Planning Commission in a timely manner is on the applicant. Late delivery of material may require an extension on the part of the applicant or a recommendation for denial of the application by the Planning Commission.
6. Formal application presentations to the Planning Commission will only be made at the regular meeting after the complete application is submitted and accepted by the Township staff.
7. The application will remain on the Planning Commission's agenda until such time as the Commission has made its recommendation to the Board of Supervisors and or Zoning Hearing Board.
8. Applicants are encouraged to attend each Planning Commission meeting in order to answer questions or address issues concerning their application.
9. Applications will be voted on only during the regular Planning Commission meetings.
10. The Chairman, in his sole discretion, may waive or modify any of this procedure.

Zoning Hearing Board Procedural Rule for Hearing Continuances: ADOPTED: May 13, 2009

1. The Zoning Hearing Board may grant one application for hearing continuance. Subject to the limited circumstances referenced in paragraph 2 below, the rescheduled hearing shall be held unless the applicant withdraws the application.
2. The continuance after the first one shall only be granted in an extraordinary circumstance.
3. The Zoning Hearing board has the sole discretion whether to grant any continuance.

**BEFORE THE ZONING HEARING BOARD OF EAST GOSHEN TOWNSHIP
IN RE: ZONING HEARING BOARD APPLICATION OF DAVID & LIA MCNEELY**

NARRATIVE IN SUPPORT OF APPLICATION

I. Introduction

David and Lia McNeely (“McNeelys” or “Applicants”), are the legal owners of certain real estate located at 907 Madison Drive in East Goshen Township, Chester County, known as Chester County UPI No. 53-2-92 (the “Property”). The Property is located in a subdivision near the intersection of Paoli Pike and Line Road, and is improved with a single-family detached dwelling (approximately 4,100 square feet in size), a patio, pool and deck area, and a small storage shed. The Property consists of approximately 1.86 acres and is located in the Township’s R-2 Low Density Residential District.

The McNeelys wish to construct a 24 x 30 foot two-car garage on the southeast portion of their irregularly-shaped lot. The proposed garage will be located 9.9 feet from the property line at the garage’s northeast corner, and 20 feet from the property line at the garage’s southeast corner. The existing physical constraints of the property necessitate the requested variance relief.

II. Request for Relief

Applicants seek a dimensional variance from Section 240-9.G of the Township Zoning Ordinance (“Ordinance”) to allow the location of the garage at a side-yard set-back of 9.9 feet (a 10.1 foot variance) at the point of the garage closest to the property line. The minimum side-yard set-back under the Ordinance is 20 feet. It is not feasible to construct the garage elsewhere on the Property due to the irregularly-shaped lot, the placement of the home within the building envelope, the layout and design of the home, and the placement of the existing driveway. The installation of the proposed garage will not result in the Property being “overbuilt”; the total building coverage will not exceed 4.5% of the lot, and the total impervious coverage will not exceed 10.6% of the lot, both well within the Maximum Lot Coverage by Building (25%) and

Maximum Lot Coverage by Total Impervious Cover (35%) permitted in the R-2 Low Density Residential District.

The Applicants also request that the Board grant such other relief that is necessary in the judgment of the Board to allow the proposed garage.

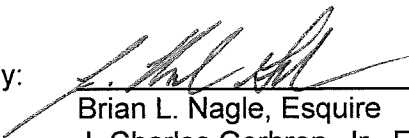
III. Conclusion

The Applicant will establish compliance with the applicable Zoning Ordinance standards during the hearing before the Zoning Hearing Board in support of the instant application.

Respectfully submitted,

MacELREE HARVEY, LTD.

By:



Brian L. Nagle, Esquire
J. Charles Gerbron, Jr., Esquire
Attorneys for David and Lia McNeely

Date: July 18, 2016

BOARD OF SUPERVISORS
EAST GOSHEN TOWNSHIP
CHESTER COUNTY
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

July 26, 2016

Dear Property Owner:

The purpose of this letter is to inform you that David and Lia McNeely, owners of 907 Madison Drive, Malvern, PA 19355, have submitted a Zoning Hearing Board application seeking dimensional relief from the side yard setback requirement of the Township Zoning Ordinance; §240-9.G. The applicant is proposing to construct an garage addition on their property and is requesting 10.1 feet of relief from the 20 foot side yard setback requirement.

Pursuant to Township policy, property owners within 1000 feet of the subject property are notified of zoning variance applications.

The meeting dates and times scheduled for the review and discussion of this application are outlined below and subject to change without further notice to surrounding property owners.

August 3, 2016 - Planning Commission - 7:00 PM

August 16, 2016 - Board of Supervisors - 7:00 PM

September 15, 2016 - Zoning Hearing Board (Zoning Hearing) - 7:30 PM

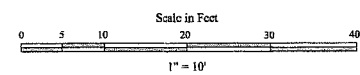
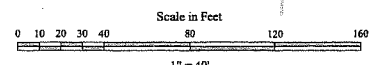
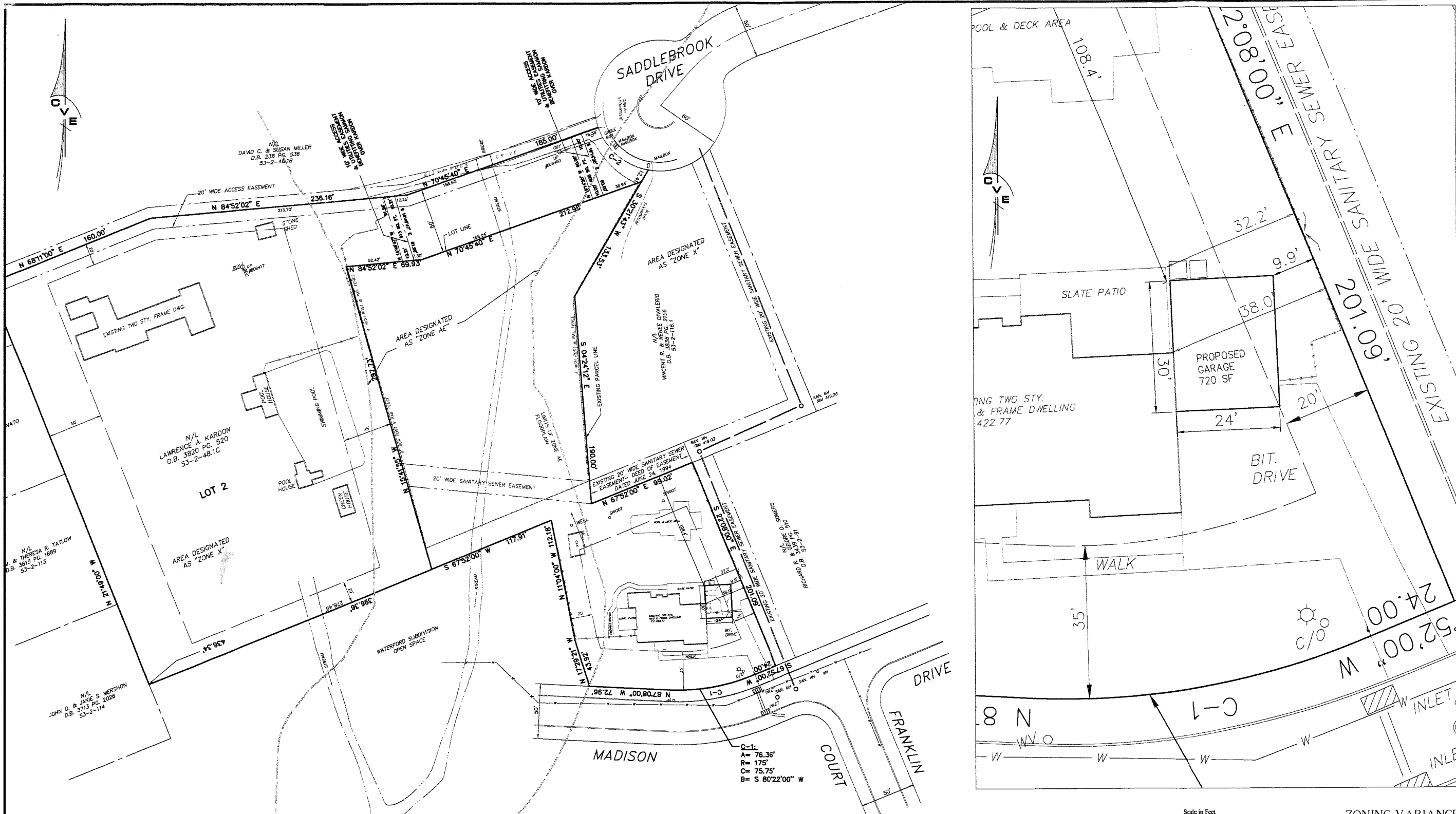
All meetings are held at the Township Building and are open to the public. The application is available for public review at the Township building during normal business hours. Please give me a call if you have any questions or need additional information.

Sincerely,



Mark A. Gordon
Township Zoning Officer

Cc: All Township Authorities, Boards and Commissions



GENERAL NOTES:

1. REFERENCE: PLAN OF SUBDIVISION (LOT LINE CHANGE) FOR JOHN P. & NINA P. SAMMON AND LAWRENCE A. KARDON, PREPARED BY CHESTER VALLEY ENGINEERS, PROJECT NO. 14982, DATED SEPTEMBER 1, 1998 AND LAST REVISED FEBRUARY 2, 1999.
2. ADDITIONAL FIELD SURVEYING PERFORMED BY CHESTER VALLEY ENGINEERS IN MARCH 2016.
3. BY GRAPHIC PLOTTING ONLY, THE SUBJECT PROPERTY LIES WITHIN AREAS IDENTIFIED AS "ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN" AND "ZONE AE, SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. BASE FLOOD ELEVATIONS DETERMINED ON FLOOD INSURANCE RATE MAP 42029C0310 F FOR CHESTER COUNTY, PENNSYLVANIA DATED SEPTEMBER 29, 2006, ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

**ZONING DATA
R-2 - RESIDENTIAL DISTRICT**

ITEM	REQUIRED	EXISTING	PROPOSED (IF DIFFERENT)
LOT SIZE (MIN.)	1 ACRE	1.86 ACRE	
BUILDING COVERAGE (MAX.)	25%	3.6%	4.5%
TOTAL IMPERVIOUS COVERAGE (MAX.)	35%	10%	10.6%
LOT WIDTH AT STREET LINE (MIN.)	60 FT.	170 FT.	
LOT WIDTH AT BUILDING LINE (MIN.)	150 FT.	170 FT.	
FRONT YARD SETBACK (MIN.)	35 FT.	41 FT.	
REAR YARD SETBACK (MIN.)	30 FT.	88 FT.	
BUILDING HEIGHT (MAX.)	30 FT.	NOT MEASURED	NOT MEASURED*
SIDE YARD SETBACK (MIN.)	20 FT. EACH	38 FT.	9.9 FT.

THE APPLICABLE AREA AND BULK STANDARDS PURSUANT TO §240-9 OF THE ZONING ORDINANCE.
*PROPOSED GARAGE TO BE 30' OR LESS IN HEIGHT.

OWNER AND APPLICANT
LIA AND DAVID MCNEELY
907 MADISON DRIVE
MALVERN, PA 19355
(914) 316-7824

ZONING VARIANCE EXHIBIT

NO.	DATE	REVISION

ZONING VARIANCE EXHIBIT
FOR
MCNEELY RESIDENCE
907 MADISON DRIVE
EAST GOSHEN TOWNSHIP - CHESTER COUNTY - PENNSYLVANIA

Chester Valley Engineers, Inc.
Main Office: 43 Chestnut Road
P.O. Box 447, Paoli, PA 19351
(610) 694-4223
(610) 694-5143 Fax
cve@chevalley.com
http://www.chevalley.com

PROJECT NO: **20376**
F B
SCALE: SHEET PLAN DATE: 06/15/16 DRAWN BY: BIM CHECKED BY: NRC DRAWING

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NOTE TO USER OF THESE PLANS: THE INFORMATION CONTAINED ON THIS PLAN MAY NOT BE CONSISTENT WITH CONDITIONS IN THE FIELD. ANY PERSON OR ORGANIZATION RELYING ON THESE PLANS MUST CONTACT CHESTER VALLEY ENGINEERS, INC. FOR VERIFICATION OF ANY INFORMATION. THE USER ASSUMES ALL RISK OF ANY AND ALL DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING FROM THE USE OF THIS DOCUMENT WITHOUT FIRST OBTAINING WRITTEN PERMISSION AND CONSENT OF CHESTER VALLEY ENGINEERS, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING FROM THE USE OF THIS DOCUMENT WITHOUT FIRST OBTAINING WRITTEN PERMISSION AND CONSENT OF CHESTER VALLEY ENGINEERS, INC.

PENNSYLVANIA ACT 187 REQUIREMENTS: UNDERGROUND UTILITIES SHALL NOT BE SHOWN ON THESE PLANS UNLESS CHESTER VALLEY ENGINEERS, INC. HAS BEEN ADVISED BY THE USER OF ANY AND ALL UNDERGROUND UTILITIES AND SERVICES TO BE LOCATED AT THE SITE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES. CHESTER VALLEY ENGINEERS, INC. SHALL NOT BE RESPONSIBLE FOR OBTAINING SUCH PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES. CHESTER VALLEY ENGINEERS, INC. SHALL NOT BE RESPONSIBLE FOR OBTAINING SUCH PERMITS AND APPROVALS.

SEE SHEET FOR FACILITY OWNER'S DESIGNATED OFFICE ADDRESS AND TELEPHONE NUMBER.

PENNSYLVANIA ONE-CALL SYSTEM: CALL 3 WORKING DAYS BEFORE YOU DIG 1-800-242-1776

POCS SERIAL NUMBER: _____



UNIFORM PARCEL IDENTIFIER: _____

Memo

Date: August 10, 2016
To: Board of Supervisors
From: Rick Smith, Township Manager
Re: Trail Committee

At your meeting on July 29th you tasked the Trail Committee with overseeing the Paoli Pike Master Corridor Plan Project.

The original Trail Committee was chaired by Janet Emanuel, and includes a representative from the Planning Commission, Park and Recreation Commission, Conservancy Board, Historical Commission, Commerce Commission and a resident.

Since that time the Commerce Commission was disbanded and a Futurist Committee was established. Accordingly, I would recommend that the composition of the Trail Committee be updated.

Suggested Motion: I move that the Trail Committee be composed of Supervisor Janet Emanuel, who shall chair the Committee, and a representative from the Planning Commission, Park and Recreation Commission, Conservancy Board, Historical Commission, Futurist Committee and a resident.

Memo

To: Board of Supervisors and Park & Recreation Commission
From: Jon Altshul & Dan Tyler, Finance Department Intern
Re: Recreation Survey Findings
Date: August 10, 2016

We are pleased to report on the findings from the recreation survey that was administered to 833 randomly-selected households this summer.

We received responses from 295 households, or 35.4% of the original sample and 3.5% of the entire Township. The response rate corresponds with a margin of error of +/-5.6%. 198 households responded to the first mailing; 97 households responded to the second mailing.

Threats to validity

Unsurprisingly, property owners responded at a greater rate than renters. 40.8% of owners in the sample responded, compared to only 15.6% of renters. This was partially due to a larger volume of returned mailed from rental units. Respondents also skewed older. 44% of the respondents were 65 or older (compared to 25% of the Township as a whole); only 17% were under 45 (compared to 47% overall); and only 18% of respondents reported having children or dependents under the age of 18 living at home right now.

However, the survey controlled very well for selection bias (i.e. when only the people who are most passionate about an issue respond). 60% of respondents had never participated in a Township recreation program and 49% had never attended a Township-sponsored event, such as Community Day or the Pumpkin Fest. Moreover, fully 43% of respondents reported that they never or infrequently visit the Township Park, only 5% have ever been on a Township-sponsored trip and roughly half of respondents belong to a fitness club, such as ACAC or the YMCA.

Demographic information about the respondents is provided in the appendix on page 6.

Comment on interpreting results

We asked residents to indicate whether “[they] or members of [their] household might be interested in participating” in various programs at specific price points. However, being “interested” in something is not the same thing as actually signing up for a program. For example, many respondents who have never participated in a Township recreation program and/or don’t have children under 18 living at home indicated that they were interested in multiple programs for multiple age ranges. Therefore, both the Board of Supervisors and the Parks & Recreation Commission should be careful not to extrapolate the results to mean that every household that expressed interest in a program will ultimately sign up for it if offered.

Findings

Pre-school programs (ages 0-5)—Storytime, nature and environmental classes, arts & crafts, soccer clinic and basketball clinic were the most popular responses for pre-school programs. The Township already offers a storytime program and a soccer clinic, but demand may also exist for a basketball clinic, arts & crafts classes, and nature programs in the park.

Interest in Programs for Pre-School Aged Children (ages 0-5)

	Expected Price	Count of interested households	Percent of respondents expressing interest
"Mommy & Me" program	Free	16	5.4%
General dance classes	\$40-\$60	4	1.4%
Ballet classes	\$40-\$60	9	3.0%
Gymnastics classes	\$40-\$60	15	5.1%
Preschool fitness classes	\$40-\$60	8	2.7%
Storytime	Free	24	8.1%
Early youth soccer clinic	\$50-\$70	22	7.4%
Early youth basketball clinic	\$50-\$70	19	6.4%
Arts & crafts	\$25-\$50	21	7.1%
Nature and Environmental Education classes	\$40-\$80	24	8.1%

Programs for Elementary School Students (ages 5-11)—Art classes, nature and environmental education classes, nature camp and soccer clinic were the most popular responses for elementary school aged children. It should be noted that the Township organized an art class for this age range two years ago, but the program had to be cancelled due to insufficient enrollment. In addition, between West Chester United, Greater Chester Valley Soccer and the YMCA, there are numerous opportunities for children this age to play soccer both competitively and in rec programs, meaning that the local market for soccer may already be saturated. However, nature/environmental programs and camps appear to be an area that the Township may be able to expand into.

Interest in Programs for Elementary School Students (ages 5-11)

	Expected Price	Count of interested households	Percent of respondents expressing interest
Introductory photography classes	\$80-\$120	12	4.1%
Art classes	\$80-\$120	23	7.8%
Nature and Environmental Education classes	\$40-\$80	20	6.8%
Nature camp	\$200-\$300	21	7.1%
Chess club	Free	10	3.4%
Fishing clinic	\$5-\$15	12	4.1%
Gaga ball	Free	11	3.7%
Golf clinic	\$90-\$150	18	6.1%
Soccer clinic	\$40-\$60	23	7.8%
Basketball clinic	\$40-\$60	14	4.7%

Programs for Middle Schoolers (ages 11-14)—Golf, nature camp and fishing were the most popular preferences for middle schoolers, with some interest for Spanish enrichment as well. The Township has attempted golf and fishing programs in the past, so these may be programs that can be resurrected.

Interest in Programs for Middle Schoolers (ages 11-14)

	Expected Price	Count of interested households	Percent of respondents expressing interest
Week-long drama camp	\$250-\$350	7	2.4%
Golf clinic	\$90-\$150	21	7.1%
Nature camp	\$200-\$300	21	7.1%
Fishing clinic	\$5	19	6.4%
Spanish language enrichment	\$75-\$100	13	4.4%
Chinese language enrichment	\$90-\$120	4	1.4%

Programs for High Schoolers (ages 14-18)—Affordable SAT and ACT Test Prep classes were by far the most popular response for high schoolers, with some interest expressed for fun social activities, such as ping pong and sand volleyball tournaments and amusement park trips.

Interest in Programs for High Schoolers (ages 14-18)

	Expected Price	Count of interested households	Percent of respondents expressing interest
SAT Prep	\$175-\$250	29	9.8%
ACT Prep	\$175-\$250	19	6.4%
Video game tournament	\$5-\$10	8	2.7%
Ping Pong tournament	\$5-\$10	13	4.4%
Sand volleyball tournament	\$75-\$100/team	13	4.4%
Amusement park trip	\$60-\$75	13	4.4%
Spanish language enrichment	\$75-\$100	9	3.0%
Chinese language enrichment	\$90-\$120	5	1.7%

Programs for Adults—Outdoor versions of existing programs (Zumba, Yoga), plus other outdoor activities, such as outdoor Tai-Chi and art and nature/environmental education classes, were very popular for adults and seniors. In addition, opportunities may exist for free health education programs and technology classes for seniors. The Township has offered technology classes in the past. Less interest was expressed in adult sports leagues (basketball, soccer, flag football), although that may have been related to the fact that relatively few respondents were in the 25-54 age demographic.

Interest in Programs for Adults

	Expected Price	Count of interested households	Percent of respondents expressing interest
Outdoor Zumba	\$60-\$90	34	11.5%
Outdoor Yoga	\$60-\$90	59	19.9%
Outdoor Tai Chi	\$60-\$90	39	13.2%
Art in the Park	\$80-\$120	34	11.5%
Adult basketball league	\$20-\$40/player	17	5.7%
Adult flag football league	\$30-\$50/player	17	5.7%
Adult soccer league	\$20-\$40/player	16	5.4%
Nature and Environmental Education classes	\$10-\$20	54	18.2%
Health Education Series	Free	44	14.9%
Seniors computer and technology class	Free	60	20.3%

Family Activities—By far the most popular option in the entire survey, with 50% of respondents expressing interest, was a food truck festival. Other family-centric activities, such as a babysitting night in the Park and a Trunk or Treat event on Halloween, were less popular.

Interest in Programs for Families

	Expected Price	Count of interested households	Percent of respondents expressing interest
Food truck festival	Free to attend	148	50%
Babysitting night at East Goshen Park	\$30-\$50/child	18	6.1%
Trunk or Treat	Free	10	3.4%

Finally, note that respondents were given the opportunity to provide their own suggestions for recreation programming. Suggestions included whiffle ball, home schooling programs, music programs, children’s tennis clinics (which the Township already offers) and yoga for kids. However, there was no pattern to those responses, and no single activity had more than a couple mentions.

Trips—91 respondents provided suggestions for future Township trips. Of these, 38 mentioned New York City and 25 mentioned Washington DC (both of which the Township generally goes to annually). Among destinations that the Township doesn’t normally go to, Gettysburg received 5 mentions; Boston, Cape Cod or New England received 8 mentions; the Jersey Shore (including Atlantic City and Cape May) received 7 mentions; Baltimore or the Inner Harbor and various destinations in Philadelphia also received a number of mentions; other destinations with multiple mentions included Pittsburgh, Lancaster and Annapolis. A complete list of destinations can be found on page 7 & 8.

Recommendations

Based on the survey results, we would recommend that the Park and Recreation Commission consider:

- 1) Expanding recreation programming for non-competitive outdoor activities, such as nature and environmental classes and/or camps for residents of all ages; fishing and introductory golf clinics for late elementary and middle schoolers; and outdoor versions of traditional programs for adults and seniors (e.g. art, yoga, Tai Chi).
- 2) Offering affordable standardized test prep classes for high school students.
- 3) Offering casual, drop-in, stress-relieving activities for high school students, such as a sand volleyball tournament in the spring/summer and a ping pong tournament in the fall either for free or a nominal cost.
- 4) Having a food truck festival at least once per year, either as a stand-alone event on a weekend evening/night or as part of a Farmers Market.
- 5) Continuing and/or adding to existing free programming for seniors (health education, technology) and parents with infants and toddlers (e.g. storytime).
- 6) Adding additional trip destinations based on survey results.

Final thoughts

On a more personal note, the Township is very grateful for the hard work of Mr. Dan Tyler, a rising sophomore at Penn State, a 2015 West Chester East graduate and a Township resident. Dan was an invaluable resource this summer in preparing, organizing and mailing hundreds of surveys and then doing the data entry and analysis on the back end. He did all this with an unflappable smile and a "can do" attitude as he recovered from a particularly painful sports injury that might otherwise have ruined his summer.

Appendix I: Demographic Information

	Number of respondents	Percentage of respondents	Estimated percentage of overall Township
Owner	267	90%	78.5%
Renter	28	9%	21.5%
How old are you?			
Under 25	6	2%	25%
25-34	17	6%	11%
35-44	26	9%	11%
45-54	34	11%	15%
55-64	75	25%	14%
65+	131	44%	25%
Do you have children or dependents under the age of 18 living with you now?			
yes	53	18%	Unknown
no	234	79%	
Have you ever had children or dependents under the age of 18 living with you since you moved to East Goshen Township?			
yes	95	32%	Unknown
no	136	46%	
Have you or your dependents ever participated in an East Goshen Township recreation program?			
yes	103	35%	Unknown
no	177	60%	
Have you ever attended a Township-sponsored event in East Goshen Township Park, such as the Egg Hunt, Community Day, the Pumpkin Festival or the Holiday Tree Celebration?			
yes	139	47%	Unknown
no	146	49%	
How frequently do you visit East Goshen Township Park?			
Less than 1 time per month	128	43%	Unknown
About 1 time per month	69	23%	
2-9 times per month	65	22%	
10+ times per month	24	8%	
Are you a member or any member of your current household a member of a fitness facility?			
yes	142	48%	Unknown
no	143	48%	

Appendix II: List of Preferred Trip Destinations

New England In The Fall NYC				
9/11 Memorial				
Casino Trips				
Rodeo in NYC				
Mount Rushmore				
Cape Cod	Europe			
NYC	DC	Hershey Park		
Fort Delaware	Fort Mifflin			
Phillies game				
NYC	DC			
Broadway Shows				
NYC				
Niagra Falls	NYC			
NYC				
DC				
NYC	Pitt.	Cape May	WDC	
NYC Theater				
Brooklyn Art				
DE/MD/VA Eastern Shore				
NYC				
Hawk Mountain				
Boston				
NYC				
Annapolis				
NJ shore	Lancaster PA	Zoo	Longwood Garden Concert	Theater trips
Atlantic City				
NYC	WDC			
Gettysburg				
Boston	Quebec	Charleston		
Historical Sites				
NYC	WDC			
Ski trips to NYC				
NYC	WDC			
NYC	WDC			
Concerts in the park				
Walnut St. Shows	Broadway Shows			
Hershey park	Great wolf lodge			
Ocean City NJ				
Theater Trips				
Boston	Finger Lakes			
Williamsburg	VA	Boston		

Baltimore Harbor			
Franklin Institute			
Gettysburg			
Savanna	GA		
New England			
Kentucky Derby			
Baltimore			
WDC			
NYC	WDC		
Annapolis			
Annapolis			
WDC	NYC		
Adult Only Trips			
WDC	NYC		
Gettysburg	Boston		
NYC	WDC		
NYC 9/11			
Phillies game	Poconos		
NYC	WDC	Baltimore	
NYC	WDC		
Amusement park			
NYC	WDC		
Harrisburg	Boston	Atlantic Shores	
PSU Arts Fest	Hershey Park	Niagra Falls	
WDC	Cape Cod	Inner Harbor	NYC
Phillies game			
WDC	NYC		
Gettysburg			
Pittsburgh			
NYC			
NYC Broadway			
MD	VA	NY	Philly
NYC	WDC		
NYC Christmas time			
NYC	WDC		
Gettysburg			
NYC	WDC		
NYC			
NYC	WDC		
NYC	Atlantic City	DC	
Atlantic City			
Western US.	Canada		
Cape May	Annapolis	Gettysburg	
Gettysburg	WDC		
NYC			
Yankees Baseball Game			
NYC	WDC	Baltimore	Pittsburgh
NYC	Lancaster PA	New Hope	
WDC	NYC	Cleveland Rock and Roll HOF	

BOARD OF SUPERVISORS
EAST GOSHEN TOWNSHIP
CHESTER COUNTY
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

DRAFT

August 9, 2016

Joseph Bové
1494 Quaker Ridge
West Chester, PA 19380

Dear Mr. Bové:

On behalf of the Board of Supervisors, I would like to thank you and the other members of Friends of East Goshen—including Thom Clapper, John Jamgochian, Demi Neilson, Greg Gaul and Hal Zuber—for your extraordinary work in raising funds in support of this year's Community Day. The funds you've raised will allow the Township to hold this year's event at no cost to Township taxpayers for the second year in a row. This is a fantastic achievement for which you and your team should be immensely proud and all of our 18,026 taxpayers should be equally grateful.

Thank you for the work you do in support of East Goshen Township's Parks and Recreation programming. I, along with my four colleagues on the Board of Supervisors, look forward to seeing you at Community Day on Saturday, August 27th and thanking you again in person.

Best regards,

Senya D. Isayeff
Chairman



*Excellence Delivered **As Promised***

August 12, 2016

Mr. Rick Smith, Jr., Township Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

Dear Mr. Smith,

**Subject: Dam Related Engineering Services for East Goshen Township
Development of Permit Documents for Decommissioning of Hershey's Mill Dam**

As requested by East Goshen Township (Township), we are pleased to provide the enclosed scope and fee proposal for professional engineering services needed to prepare and submit applicable permit application(s) for the decommissioning of Hershey's Mill Dam (DEP ID No. D15-125). The following provides our understanding of the project and presents our detailed scope of work and assumptions for the project.

UNDERSTANDING OF THE PROJECT

East Goshen Township owns and operates Hershey's Mill Dam as a recreational facility. The facility, which is located in the northeast corner of the intersection of Greenhill Road and Hershey Mill Road, has a size/hazard classification of C-2, which requires the dam to safely pass the 100-year storm event from the 1.8 square mile contributing drainage area. The dam has been identified by the Pennsylvania Department of Environmental Protection (DEP) Division of Dam Safety as having inadequate spillway capacity to pass the 100-year storm event which was established as 1,089 cfs based on a hydrologic analysis performed by Advanced GeoServices in February 2010. In addition, recent inspection reports have identified numerous other deficiencies associated with the dam which include, but are not limited to, vegetation control, deteriorated embankment slopes, cracking and movement of stone retaining walls, and cracking and apparent voids beneath the concrete spillway slab. As a result of these deficiencies, the Township has been operating the dam in a dewatered condition since 2011 in order to reduce the risk of a potential dam failure.

Since 2007, the Township has entertained various resolutions for addressing the identified deficiencies associated with Hershey's Mill Dam. Options have included raising the embankment in conjunction with the addition of an auxiliary spillway (i.e., a second stage

Gannett Fleming, Inc.

P.O. Box 67100 • Harrisburg, PA 17106-7100 | 207 Senate Avenue • Camp Hill, PA 17011-2316

t: 717.763.7211 • f: 717.763.8150

www.gannettfleming.com

spillway) as well as breaching the dam. Evaluated options for stabilizing the second stage spillway have included conventional concrete and articulated concrete blocks. A repair for the dam involving the addition of a secondary spillway, as prepared by Edward B. Walsh, was approved by DEP Division of Dam Safety on July 15, 2014. Since this time, the Township has evaluated the costs and long term impacts associated with repairing/maintaining the dam as compared to decommissioning the dam. During a Board of Supervisors meeting held on Tuesday, June 28, 2016, the Township decided to decommission Hershey's Mill Dam and requested that Gannett Fleming (GF) prepare a proposal to prepare and submit permit applications for said work.

SCOPE OF SERVICES

The following provides our proposed work plan for preparing permit documents associated with the decommissioning of Hershey's Mill Dam. The approach provided herein was discussed with DEP Division of Dam Safety on August 11, 2016 to confirm the design and permitting requirements. The design concept involves establishing a breach through the existing embankment of adequate size such that the estimated 100-year water surface through the breach will be no more than one-foot greater than the 100-year water surface that would be expected if the dam was removed in its entirety. Since the dam has been operating in a dewatered condition since 2011, two feeder streams have begun to establish themselves through the reservoir and the sediments within the reservoir are well vegetated and have had the opportunity to consolidate and dewater. Based on these conditions, DEP stated that the preferred treatment of the reservoir is to leave the sediments in place as part of the initial breach. A rock-lined grade control structure will be placed immediately upstream of the breach within the reservoir to terminate the breach. Over time, the feeder channels which have begun to form within the reservoir will size and align themselves (both horizontally and vertically) to an equilibrium position. Consequently, stream restoration through the reservoir is not included with this scope of work.

- Item 1. Site Visit:** – A visual inspection will be performed to ascertain conditions at the existing Hershey's Mill Dam.
- Item 2. Surveys and Mapping** – The Township has provided Gannett Fleming with a CADD file containing the results of a topographic field survey performed on February 20, 2016 by Edward B. Walsh & Associates. The topographic survey covers the dam embankment and the upstream reservoir area located below Elevation 450. It is assumed that the coverage and detail of the 2012 survey is adequate for the purpose of developing permit drawings for the decommissioning of Hershey's Mill Dam. Should additional field survey(s) be required, a separate scope and fee will be prepared for these activities.

It is anticipated that a temporary and/or permanent easement will be required from the property owner to the south of the dam to facilitate construction activities. This scope and fee estimate includes the preparation of one easement plat. It is assumed that the property boundary information provided within the CADD file from Edward B.

Walsh & Associates is correct and adequate for the preparation of said easement. No additional property boundary surveys or deed searches are included with this proposal.

Item 3. Hydraulic Analysis – Steady flow hydraulic analyses of the 100-year peak discharge will be performed to model Ridley Creek in the vicinity of Hershey’s Mill Dam for three scenarios to size the breach of Hershey’s Mill Dam. The first scenario that will be modeled is Ridley Creek with Hershey’s Mill Dam in its existing condition. The second scenario that will be modeled is Ridley Creek with Hershey’s Mill Dam entirely removed. The third scenario that will be modeled is Ridley Creek with Hershey’s Mill Dam breached (breach opening plus remnants of dam and appurtenances not removed). The purpose of the analysis is to show that the breach of Hershey’s Mill Dam will result in proposed 100-year water surface elevations that are no more than one foot higher than water surface elevations that would be expected if the dam were entirely removed. The analyses will also provide a comparison of the 100-year floodplain in existing and proposed conditions.

Geometry for the model will be based on best available terrain data, measurements of downstream hydraulic structures obtained during the field visit and information available from the FEMA Flood Insurance Study of Ridley Creek. The 100-year peak discharge will be obtained from prior studies. The results of the analysis will be documented in a Hydraulic Analysis Report.

Item 4. Environmental and Permitting Services – The act of decommissioning Hershey’s Mill Dam will require removal of a portion of the existing dam embankment and the permanent dewatering of the reservoir. As such, the proposed work activities will alter the reservoir and involve modifications to the existing dam, both of which represent work within waters of the Commonwealth. As such, DEP Division of Dam Safety and the U.S. Army Corps of Engineers (USACE) will require East Goshen Township to obtain a permit to authorize the proposed project in accordance with Chapter 105 Dam Safety and Encroachment and Section 404 of the Clean Water Act. The following tasks are proposed based on the requirements of the state and federal laws to obtain a permit for the proposed project.

1. PNDI Search Request and Agency Coordination. GF will generate an on-line request through the Pennsylvania Natural Diversity Index (PNDI) Search Request to the PA Department of Conservation and Natural Resources (DCNR), Pennsylvania Fish & Boat Commission (PFBC), U.S. Fish & Wildlife Service (USFWS) and the Pennsylvania Game Commission (PGC) for information regarding the presence/absence of rare, threatened, or endangered state/federal species within the project area. Copies of the coordination efforts and agency responses are required to be submitted in the project permit application materials. The PNDI Search Request results are valid for two years.

2. Wetlands and Waterways Investigations. GF will investigate the proposed project area(s) and limits of disturbance for unmapped wetlands and waterways habitat. GF assumes that the proposed project study area(s) will total no more than 10 acres of surface area. GF will identify and delineate palustrine wetland boundaries in the field with uniquely labeled survey flagging using methods described in the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region, Version 2.0, U.S. Army Corps of Engineers, April 2012. Wetland and waterway features will be mapped using GPS technology with sub-meter accuracy. Data points will be exported into a GIS or CADD file to present features on existing project drawings. Wetland habitats will be assigned a Cowardin classification (1977).

Wetland function and value assessments will be performed at each wetland location using the methods outlined in The Highway Methodology Workbook Supplement, Wetland Functions and Values A Descriptive Approach, USACE New England District (NEDEP-360-1-30a 1995).

The results of the wetlands and waterways field work will be presented in a report for use by the project planners and regulatory agencies. The Wetland Identification and Delineation Report will include a description of the project study area, background information, investigation methods used, wetland datasheets, photo logs, site mapping, tabularized coordinates of mapped features, and function and value sheets. This report will be used to support future planning and permitting efforts.

3. Phase I Bog Turtle Report. Chester County is within the known range of the bog turtle. Based on a preliminary review of aerial photography, wetlands are expected to occur within and immediately adjacent to the proposed project area. Wetlands and waterways identified within the proposed project area and within the 300-foot action area will be evaluated for potential bog turtle habitat according to the U.S. Fish and Wildlife Service (USFWS) field procedures (April 2006). GF will prepare a Phase 1 Bog Turtle Habitat Survey Report in anticipation that it will be submitted to the United States Fish & Wildlife Service (USFWS) and Pennsylvania Fish & Boat Commission (PFBC) when the project applies for permits and seeks regulatory agency authorization to implement the project. If a Phase II Bog Turtle Survey is needed, a separate scope and fee would be generated.
4. Coordination with Pennsylvania Historic and Museum Commission. Coordination with the Pennsylvania Historic and Museum Commission (PHMC) will consist of a Cultural Resource Notice (CRN) to determine the presence/absence of historic structures and or archaeological resources within the project area. The CRN will include a project narrative, site location map, existing and proposed conditions drawings and site photographs. GF assumes that no historic or cultural resources of significance occur within the project area and no

surveys are required. If PHMC determines that potential historic or cultural resources exist, GF will develop and submit a separate scope and fee estimate to complete the Historic Resources Survey Form (HRSF), if needed.

5. Pre-Application Meeting and Preliminary Jurisdictional Determination. GF will coordinate a pre-application meeting with the state and federal agencies to meet on-site and discuss the project before a permit application is submitted. The pre-application meeting allows for a discussion of concerns and requirements from the regulatory agencies before project plans and designs are advanced. This is an opportunity for East Goshen Township and GF to hear agency requirements and concerns in developing a permit application for their review. The main discussion topics include; the purpose and need for the project; its environmental impacts; efforts to avoid and minimize impacts, possible mitigation options; and long-term plans for the property.

Prior to the pre-application meeting, GF will submit the Wetland and Waterways Identification and Delineation Report to the U.S. Army Corps of Engineers (USACE) and PADEP to request a field visit at the time of the pre-application meeting to review the delineation boundaries in order to obtain a Preliminary Approved Jurisdictional Determination from the USACE. Any changes to the field boundaries will be re-located using a GPS unit with sub-meter accuracy.

6. Environmental Assessment. GF will complete an environmental assessment as part of the permit application process. This assessment will include an evaluation of streams and aquatic resources which may be impacted by the project. Our team's aquatic ecologists have taxonomic certifications for macroinvertebrate identification. The aquatic community analyses will define the assemblage of stream, pond, and lake life to serve as the baseline condition. A focus on water quality, substrate, and the macroinvertebrate community will indicate the potential for future utilization of the stream reach by fish and other aquatic life. The Gannett Fleming team will obtain scientific collector's permits and fishing licenses to conduct studies and surveys that require the collection of aquatic life.

Perennial streams will be evaluated and surveyed for benthic macroinvertebrates in accordance with the Rapid Bioassessment Protocols (RBP) for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates, and Fish (2nd Edition) (Barbour et al, 1999). Two 100-meter (approximately 330-feet) sampling reaches will be identified, evaluated, and surveyed for macroinvertebrates along the downstream and upstream locations of the Hersheys Mill Reservoir. The Rapid Bioassessment Physical Characterization/Water Quality and Habitat Assessment Field Data Sheets for low gradient and high gradient streams, as applicable, will be completed while at sampling reach locations (Barbour et al, 1999). Water quality measurements will be recorded using a YSI 556 water meter. Water quality samples will be collected during the field assessments to provide data for:

- Temperature
- Dissolved Oxygen (DO)
- Turbidity
- pH
- Hardness
- Specific Conductance, and
- Oxidation Reduction Potential (ORP)
- Total Suspended Solids (TSS)
- Total Dissolved Solids (TDS)

A laboratory will be used to confirm TSS and TDS readings. Field meters will be calibrated prior to use and this effort will be recorded on field data logs.

Macroinvertebrates will be collected using a D-frame dip net and the kick-netting method for D-frame dip nets as described in the RBP for Single and Multi-Habitat Approaches for macro-invertebrate collection. The macroinvertebrate collection will consist of 20 kicks per sampling reach. For each sampling reach, the collections from all 20 kicks will be composited into one sample and stored in 95% denatured ethanol. Rapid Bioassessment Benthic Macroinvertebrate Field Data Sheet will be completed in the field following completion of macroinvertebrate collection (Barbour et al, 1999). For quality control, a duplicate macroinvertebrate sample will be collected at a randomly selected sampling reach to represent 10% of the total sampling effort within the project area

7. Mitigation Plan. Environmental impacts are unknown at this time and the required mitigation, if any, will not be defined until the pre-application meeting is held with the reviewing agencies. Once the required mitigation has been established by the reviewing agencies, a separate scope and fee to prepare a mitigation plan will be provided to the Township. It is assumed that all mitigation can be established onsite.
8. Permit Application Package. GF will prepare and assemble the permit application package for East Goshen Township's review and signature. A Dam Removal Permit is anticipated thru DEP Division of Dam Safety to authorize this project. The following items are included in the application:
 - Completed Application Form (1300-PM-BIT0001).
 - Chapter 105 Application Fee & Worksheet (3150-PM-BWEW0553). It is our understanding that fees are waived for municipalities.
 - Site plans including existing and proposed conditions, representative cross sections, a sediment management plan and an erosion control plan.
 - Cultural Resource Notice.
 - Completed PNDI Form.

- Act 14 Notification Letters.
- Application to Draw Off Water from impoundments (assumed not to be required since reservoir is being operated in a dewatered condition).

9. Erosion and Sediment Control Plan. The decommissioning of Hershey's Mill Dam will require earth disturbance activities. Consequently, the project will require erosion control plan approval from the Chester County Conservation District. GF will prepare an erosion and sediment control plan for the project to control sediment-laden runoff from the project site. It is anticipated that the majority of the project site will be permitted under Chapter 105 by DEP Division of Dam Safety and the remaining area (if any) to be permitted under Chapter 102 will be less than one acre. Consequently, it is assumed that a NPDES Permit for Stormwater Discharges Associated with Construction Activities will not be required.

Item 5. Preparation of Conceptual Breach Layout – A conceptual breach configuration will be prepared and shared with the Township (refer to Item 6) prior to advancing the plan into final design. The conceptual plan will be prepared to a level necessary to develop an estimate of construction costs.

Item 6. Township Meeting – The concept plan and the preliminary results of the environmental investigations and hydraulic analysis as well as preliminary construction costs will be compiled and shared with the Township. Comments from the Township will be considered before advancing the concept plan into final design and permitting. The scope and fee provided herein assumes GF will attend one public meeting to discuss progress completed to date.

Item 7. Development of Permit Drawings: GF will prepare drawings and technical specifications for the decommissioning of Hershey's Mill Dam to a level needed to support the permit applications described within this proposal.

1. Drawings will be prepared of the full breach. The following drawings are anticipated:

- Cover Sheet
- Existing Conditions Plan and General Notes
- Demolition Plan
- Project Alignment and Survey Control Plan
- Proposed Conditions Plan
- Profile and Cross Sections of Dam (Two Sheets)
- Miscellaneous Details (Two Sheets)
- Erosion and Sediment Control Plan (Five Sheets)
- Site Stabilization (One Sheet)

2. Technical specifications will be prepared for the work described on the drawings. Specification will be either be placed on the drawings or provided in CSI format.

ASSUMPTIONS

The following assumptions were made in the preparation of this scope and fee proposal:

1. The Township will coordinate and secure all approvals necessary to allow Gannett Fleming to access the Property.
2. GF assumes that any environmental surveys, beyond a Phase I bog turtle survey, for protected species would require a separate scope and price.
3. GF assumes that any mitigation plan (i.e., wetlands, waterways, etc.) would require a separate scope and price.
4. GF assumes that the wetland and stream fieldwork can be accomplished in two days and that Township authorization will allow field work to occur during the growing season.
5. Reservoir will be in a dewatered condition at the time of environmental field surveys.
6. This scope of services assumes that no suitable bog turtle habitat exists within or near the project area and a Phase 2 Bog Turtle Survey will not be necessary. If a Phase 2 Survey is required, GF will develop and submit a separate scope and cost of services for review and approval. GF anticipates one field day to evaluate wetland areas for potential bog turtle habitat.
7. No property, utility, topographic surveys, etc. are proposed as part of this scope and fee proposal. It is assumed that the survey as provided by Edward B. Walsh is complete and accurate and will be used by Gannett Fleming as the basis for developing the breach of Hershey's Mill Dam and associated easements.
8. No stream mitigation plan is required.
9. GF assumes that permit application and impact fees would be waived for a municipality or will be paid by the Township and are not included within the fee estimate.
10. Gannett Fleming does not guarantee approval of permit applications.
11. It is anticipated that construction access to the work area will be from Hershey's Mill Road (Township Highway) and not be from a State highway. Consequently, a PennDOT Highway Occupancy Permit will not be required.
12. This scope and fee estimate does not include preparation of bid documents or bidding and construction phase services.

COMPENSATION

Our proposed lump sum fee to prepare and submit permit application(s) for the decommissioning of Hershey’s Mill Dam, as described within this proposal letter, is as follows:

Hydrologic and Hydraulic Analysis:	\$18,400
Environmental Investigations:	\$43,200
Pre-Application Meeting:	\$5,600
Development of Concept Plan and Township Meeting:	\$9,500
<u>Development of Permit Documents:</u>	<u>\$36,300</u>
Total Lump Sum Fee:	\$113,000

SCHEDULE

GF is prepared to begin work on this assignment as soon as notice to proceed is issued by the Township. Our anticipated schedule is as follows:

- The Hydrologic and Hydraulic Analysis will begin immediately. The modeling will identify the proposed breach configuration within two months from receiving notice to proceed.
- Environmental investigations will begin immediately. Field work and agency coordination (i.e., PNDI coordination, cultural resource notification and PFBC coordination) will be conducted within two months of receiving notice to proceed.
- The conceptual breach layout will be prepared in conjunction with the hydraulic analysis and will be shared with the reviewing agencies as part of the pre-application meeting. It is assumed that a pre-application meeting can be scheduled with the regulatory agencies within one month following the completion of the field work (pending the availability of the reviewing agencies).
- The conceptual plan and the results of the pre-application meeting will be shared with the Township following the pre-application meeting.
- Permit applications will be prepared within two months following the township meeting.

Task	Month Week	1				2				3				4				5				6			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Notice to Proceed																									
Site Visit																									
Hydraulic Analysis																									
Environmental Investigations																									
Pre-Application Meeting ⁽¹⁾																									
Develop Concept Plan																									
Township Meeting																									
Develop Permit Documents																									

1. Pre-Application meeting will be dependent upon availability of the reviewing agencies.

Gannett Fleming
Mr. Rick Smith
East Goshen Township

10

August 12, 2016

These services can be provided under our current Master Services Agreement. Should the Township choose to secure our services to prepare permit applications for the decommissioning of Hershey's Mill Dam as described within this proposal, we will provide you with a Service Authorization under a separate cover letter to amend our Master Services Agreement for this work activity. If you have any questions about the proposed services or need additional information, please do not hesitate to call me or Mr. Paul Schweiger of our office at 717-763-7212, extensions 2828 and 2504, respectively. We thank you for the opportunity to provide this proposal and look forward to continuing our relationship with the Township.

Sincerely,

GANNETT FLEMING, INC.
Environmental Resources Division



ERIC C. NEAST, P.E.
Project Manager
Dams and Hydraulics Section



*Excellence Delivered **As Promised***

August 12, 2016

Mr. Rick Smith, Jr., Township Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

Dear Mr. Smith,

**Subject: Dam Related Engineering Services for East Goshen Township
Development of Permitting Documents for Partial Breach of Milltown Dam**

As requested by East Goshen Township (Township), we are pleased to provide the enclosed scope and fee proposal for professional engineering services needed to prepare and submit applicable permit application(s) for the reclassification of Milltown Dam (DEP ID No. D15-146) to a low-hazard structure. The following provides our understanding of the project and presents our detailed scope of work and assumptions for the project.

UNDERSTANDING OF THE PROJECT

East Goshen Township owns and operates Milltown Dam as a recreational facility. The dam is currently classified as a high hazard (C-1) structure and the Spillway Design Flood is currently established as the 1/2 Probable Maximum Flood (PMF). Under a cover letter from the Pennsylvania Department of Environmental Protection, Bureau of Waterways Engineering and Wetlands (DEP Division of Dam Safety) dated June 17, 2014, the Township was notified that Milltown Dam has inadequate spillway capacity to pass the Spillway Design Flood from the contributing 6.3 square mile drainage area. As a result of this notification, the Township performed a detailed study which evaluated numerous options for bringing the structure into compliance with current dam safety regulations as well as a decommissioning option and a "partial breach" option which involves reducing the height and storage capacity of the structure to a point where the structure can be reclassified as a low hazard dam which will in turn reduce the conveyance capacity requirements of the spillway.

During a public meeting on June 28, 2016, the Township chose to pursue the partial breach option and requested Gannett Fleming (GF) to prepare a scope and fee estimate to prepare permit documents for this activity.

Gannett Fleming, Inc.

P.O. Box 67100 • Harrisburg, PA 17106-7100 | 207 Senate Avenue • Camp Hill, PA 17011-2316
t: 717.763.7211 • f: 717.763.8150
www.gannettfleming.com

SCOPE OF SERVICES

The following provides our understanding of the scope of services and our proposed work plan for preparing permit documents associated with the reclassification of Milltown Dam to a low hazard structure. The approach provided herein was discussed with DEP Division of Dam Safety on August 11, 2016 to confirm the design and permitting requirements. The design concept involves lowering the top of dam elevation to the existing sediment levels within the reservoir. In doing so, the storage volume of the reservoir is eliminated and the remaining structure can be classified as a low hazard dam. The existing concrete spillway will also be lowered to a point at or near the existing sediment level and configured such that normal flows will be retained within the stream channel. However, larger storms will be allowed to flow over the lowered embankment portions of the dam. The design will document that the remaining embankment portions of the dam are stable to receive flows up to and including the 100-year event. DEP's preferred approach is to allow the stream to naturally form through the dewatered reservoir. To support this approach, the reservoir will be operated in a dewatered condition for approximately one year to allow the sediments within the reservoir to consolidate, dewater and become vegetated. Once the reservoir is stabilized, the lowering of the dam embankment may occur.

Item 1. Hydrologic and Hydraulic Analyses: Gannett Fleming will complete hydrologic and hydraulic analyses to size erosion protection for the partial breach of Milltown Dam and to evaluate floodplain management considerations. Engineering services under this item will include:

1. A site visit to gather relevant information on the downstream hydraulic controls and potential downstream hazard areas.
2. Use of the previously-developed HEC-1 model to evaluate discharges at the dam for the 100-year and other more frequent flood events. Comparisons will be made to peak discharges estimated using the USGS Regression Equations. Attenuation provided by the existing and proposed dam will be evaluated and documented.
3. Development of a hydraulic model (HEC-RAS) of the East Branch Chester Creek through Milltown Dam. Geometry for the model will be based on best available terrain data and measurements of downstream hydraulic structures obtained during the field visit. Ground or bathymetric survey is not expected to be needed for this task and is not included within this scope of services.
4. Hydraulic model runs to evaluate velocity over the modified embankment for the design of erosion protection. Hydraulic model runs for the 100-year peak discharge will also be performed to evaluate floodplain impacts
5. Documentation of analyses. A letter report will be prepared to document the hydrologic and hydraulic analyses.

6. Coordination and participation in meeting with PADEP. The purpose of the meeting will be present the results of the hydrologic and hydraulic analyses.

Item 2. Environmental and Permitting Services: It is anticipated that the proposed project will alter the normal pool elevation and involve modifications to the existing dam, both of which represent work within waters of the Commonwealth. As such, DEP Division of Dam Safety and the U.S. Army Corps of Engineers (USACE) will require East Goshen Township to obtain a permit to authorize the proposed project in accordance with Chapter 105 Dam Safety and Encroachment and Section 404 of the Clean Water Act. The following tasks are proposed based on the requirements of the state and federal laws to obtain a permit for the proposed project.

1. PNDI Search Request and Agency Coordination. GF will generate an on-line request through the Pennsylvania Natural Diversity Index (PNDI) Search Request to the PA Department of Conservation and Natural Resources (DCNR), Pennsylvania Fish & Boat Commission (PFBC), U.S. Fish & Wildlife Service (USFWS) and the Pennsylvania Game Commission (PGC) for information regarding the presence/absence of rare, threatened, or endangered state/federal species within the project area. Copies of the coordination efforts and agency responses are required to be submitted in the project permit application materials. The PNDI Search Request results are valid for two years.
2. Wetlands and Waterways Investigations. GF will investigate the proposed project area(s) and limits of disturbance for unmapped wetlands and waterways habitat. GF assumes that the proposed project study area(s) will total no more than 20 acres of surface area. GF will identify and delineate palustrine wetland boundaries in the field with uniquely labeled survey flagging using methods described in the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region, Version 2.0, U.S. Army Corps of Engineers, April 2012. Wetland and waterway features will be mapped using GPS technology with sub-meter accuracy. Data points will be exported into a GIS or CADD file to present features on existing project drawings. Wetland habitats will be assigned a Cowardin classification (1977).

Wetland function and value assessments will be performed at each wetland location using the methods outlined in The Highway Methodology Workbook Supplement, Wetland Functions and Values A Descriptive Approach, USACE New England District (NEDEP-360-1-30a 1995).

The results of the wetlands and waterways field work will be presented in a report for use by the project planners and regulatory agencies. The Wetland Identification and Delineation Report will include a description of the project study area, background information, investigation methods used, wetland datasheets, photo logs, site mapping, tabularized coordinates of mapped features,

and function and value sheets. This report will be used to support future permitting efforts.

3. Phase I Bog Turtle Report. Chester County is within the known range of the bog turtle. Based on a preliminary review of aerial photography, wetlands are expected to occur within and immediately adjacent to the proposed project area. Wetlands and waterways identified within the proposed project area and within the 300-foot action area will be evaluated for potential bog turtle habitat according to the U.S. Fish and Wildlife Service (USFWS) field procedures (April 2006). GF will prepare a Phase I Bog Turtle Habitat Survey Report in anticipation that it will be submitted to the United States Fish & Wildlife Service (USFWS) and Pennsylvania Fish & Boat Commission (PFBC) when the project applies for permits and seeks regulatory agency authorization to implement the project. If a Phase II Bog Turtle Survey is needed, a separate scope and price would be generated.
4. Coordination with Pennsylvania Historic and Museum Commission. Coordination with the Pennsylvania Historic and Museum Commission (PHMC) will consist of a Cultural Resource Notice (CRN) to determine the presence/absence of historic structures and or archaeological resources within the project area. The CRN will include a project narrative, site location map, existing and proposed conditions drawings and site photographs. GF assumes that no historic or cultural resources of significance occur within the project area and no surveys are required. If PHMC determines that potential historic or cultural resources exist, GF will develop and submit a separate scope and cost estimate to complete the Historic Resources Survey Form (HRSF), if needed.
5. Pre-Application Meeting and Preliminary Jurisdictional Determination. GF will coordinate a pre-application meeting with the state and federal agencies to meet on-site and discuss the project before a permit application is submitted. The pre-application meeting allows for a discussion of concerns and requirements from the regulatory agencies before project plans and designs are advanced. This is an opportunity for East Goshen Township and GF to hear agency requirements and concerns in developing a permit application for their review. The main discussion topics include; the purpose and need for the project; its environmental impacts; efforts to avoid and minimize impacts, possible mitigation options; and long-term plans for the property

Prior to the pre-application meeting, GF will submit the Wetland and Waterways Identification and Delineation Report to the USACE and DEP to request a field visit at the time of the pre-application meeting to review the delineation boundaries in order to obtain a Preliminary Approved Jurisdictional Determination from the USACE. Any changes to the field boundaries will be re-located using a GPS unit with sub-meter accuracy.

6. Environmental Assessment. GF will complete an environmental assessment as part of the permit application process. This assessment will include an evaluation of streams and aquatic resources which may be impacted by the project. Our team's aquatic ecologists have taxonomic certifications for macroinvertebrate identification. The aquatic community analyses will define the assemblage of stream, pond, and lake life to serve as the baseline condition. A focus on water quality, substrate, and the macroinvertebrate community will indicate the potential for future utilization of the stream reach by fish and other aquatic life. The Gannett Fleming team will obtain scientific collector's permits and fishing licenses to conduct studies and surveys that require the collection of aquatic life.

Perennial streams will be evaluated and surveyed for benthic macroinvertebrates in accordance with the Rapid Bioassessment Protocols (RBP) for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates, and Fish (2nd Edition) (Barbour et al, 1999). Two 100-meter (approximately 330-foot) sampling reaches will be identified, evaluated, and surveyed for macroinvertebrates along the downstream and upstream locations of Milltown Reservoir. The Rapid Bioassessment Physical Characterization/Water Quality and Habitat Assessment Field Data Sheets for low gradient and high gradient streams, as applicable, will be completed while at sampling reach locations (Barbour et al, 1999). Water quality measurements will be recorded using a YSI 556 water meter. Water quality samples will be collected during the field assessments to provide data for:

- Temperature
- Dissolved Oxygen (DO)
- Turbidity
- pH
- Hardness
- Specific Conductance, and
- Oxidation Reduction Potential (ORP)
- Total Suspended Solids (TSS)
- Total Dissolved Solids (TDS)

A laboratory will be used to confirm TSS and TDS readings. Field meters will be calibrated prior to use and this effort will be recorded on field data logs.

Macroinvertebrates will be collected using a D-frame dip net and the kick-netting method for D-frame dip nets as described in the RBP for Single and Multi-Habitat Approaches for macro-invertebrate collection. The macroinvertebrate collection will consist of 20 kicks per sampling reach. For each sampling reach, the collections from all 20 kicks will be composited into one sample and stored in 95% denatured ethanol. Rapid Bioassessment Benthic Macroinvertebrate Field Data Sheet will be completed in the field following completion of macroinvertebrate collection (Barbour et al, 1999). For quality control, a duplicate

macroinvertebrate sample will be collected at a randomly selected sampling reach to represent 10% of the total sampling effort within the project area.

7. **Mitigation Plan.** Environmental impacts are unknown at this time and the required mitigation, if any, will not be defined until the pre-application meeting is held with the reviewing agencies. Once the required mitigation has been established by the reviewing agencies, a separate scope and fee to prepare a mitigation plan will be provided to the Township. It is assumed that all mitigation can be established onsite.
8. **Permit Application Package (Dam Permit Application).** GF will prepare and assemble the permit application package for East Goshen Township's review and signature. Since the project will alter the top of dam and normal pool elevations, a Dam Permit Application is anticipated thru DEP Division of Dam Safety to authorize this project.
9. In addition to the Dam Permit Application which will be submitted to DEP Division of Dam Safety, the project will require erosion control plan approval from the Chester County Conservation District. GF will prepare an erosion and sediment control plan for the project to control sediment-laden runoff from the project site. It is anticipated that the majority of the project site will be permitted under Chapter 105 by DEP Division of Dam Safety and the remaining area (if any) to be permitted under Chapter 102 will be less than one acre. Consequently, it is assumed that a NPDES Permit for Stormwater Discharges Associated with Construction Activities will not be required.

Item 3. Preparation of Conceptual Layout for Reducing Hazard Classification: A conceptual layout of the dam modifications will be prepared and shared with the Township (refer to Item 4) prior to advancing the plan into final design. The conceptual plan will be prepared to a level necessary to develop an estimate of construction costs.

Item 4. Township Meeting: The concept plan and the preliminary results of the environmental investigations and hydraulic analysis as well as preliminary construction costs will be compiled and shared with the Township. Comments from the Township will be considered before advancing the concept plan into final design and permitting. The scope and fee provided herein assumes GF will attend one public meeting to discuss progress completed to date.

Item 5. Development of Permit Drawings: GF will prepare drawings and technical specifications for the reclassification of Milltown Dam to a level needed to support the permit applications described within this proposal.

1. Drawings will be prepared of the partial breach. The following drawings are anticipated:

Cover Sheet
Overall Existing Conditions Plan and General Notes
Existing Conditions Plan of Milltown Dam
Demolition Plan
Project Alignment and Survey Control Plan
Proposed Conditions Plan – Dam
Profile and Cross Sections of Dam (Two Sheets)
Miscellaneous Details (Four Sheets)
Erosion and Sediment Control Plan (Five Sheets)
Site Stabilization Plan (One Sheet)

This scope and fee assumes that the valve house will no longer be needed following the reduction in the dam height. Those portions of the valve house located above finished grade will be demolished and the remaining portions of the valve house shall be abandoned in place by backfilling with concrete. The enclosed scope and fee estimate assumes that stream restoration will not be required as part of this project.

2. Technical specifications will be prepared for the work described on the drawings. Specification will either be placed on the drawings or provided in CSI format.
3. It is assumed that one easement will be required from the downstream property owner to allow for construction access and/or to facilitate construction activities. The property boundary survey performed by GF in January 2016 coupled with property information from other sources is expected to be adequate for the preparation of said easement. GF will prepare an easement plat, including a description of the easement boundary, for the Township's use in securing said easement from the downstream property owner.

ASSUMPTIONS

The following assumptions were made in the preparation of this scope and fee proposal:

1. The Township will coordinate and secure all approvals necessary to allow Gannett Fleming to access the Property.
2. GF assumes that any environmental surveys, beyond a Phase I bog turtle survey, for protected species would require a separate scope and price.
3. GF assumes that the wetland and stream fieldwork can be accomplished in five days and that Township authorization will allow field work to occur during the growing season.
4. GF assumes that any mitigation plan (i.e., wetlands, waterways, etc.) would require a separate scope and price.
5. This scope of services assumes that no suitable bog turtle habitat exists within or near the project area and a Phase 2 Bog Turtle Survey will not be necessary. If a Phase 2 Survey is required, GF will develop and submit a separate scope and cost of services for review and

approval. GF anticipates one field day to evaluate wetland areas for potential bog turtle habitat.

6. A stream mitigation plan will not be required.
7. GF assumes that permit application and impact fees would be waived for a municipality or will be paid by the Township and are not included within the fee estimate.
8. Gannett Fleming does not guarantee approval of permit applications.
9. It is anticipated that construction access to the work area will be from Reservoir Road (Township Highway) and not be from a State highway. Consequently, a PennDOT Highway Occupancy Permit will not be required.
10. This scope and fee estimate does not include preparation of bid documents or bidding and construction phase services.

COMPENSATION

Our proposed lump sum fee, as described within this proposal letter, is as follows:

Hydrologic and Hydraulic Analysis:	\$17,100
Environmental Investigations:	\$45,900
Pre-Application Meeting:	\$5,600
Development of Concept Plans and Township Meeting:	\$8,100
<u>Development of Permit Documents:</u>	<u>\$46,700</u>
Total Lump Sum Fee:	\$123,400

SCHEDULE

GF is prepared to begin work on this assignment as soon as notice to proceed is issued by the Township. Our anticipated schedule is as follows:

- The hydraulic analysis will begin immediately. The modeling will be taken to a point needed to confirm the conceptual design within three months from receiving notice to proceed.
- Environmental investigations will begin immediately. Field work and agency coordination (i.e., PNDI coordination, cultural resource notification and PFBC coordination) will be conducted within two months of receiving notice to proceed.
- A conceptual layout of the proposed dam modifications will be prepared in conjunction with the hydraulic analysis and will be shared with the reviewing agencies as part of the pre-application meeting. It is assumed that a pre-application meeting can be scheduled with the regulatory agencies within one month following the completion of the hydraulic analysis (pending the availability of the reviewing agencies)
- The conceptual plan and the results of the pre-application meeting will be shared with the Township following the pre-application meeting
- Permit applications will be prepared within two months following the Township meeting.

Task	Month	1				2				3				4				5				6				7			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Notice to Proceed																													
Hydraulic Analysis																													
Environmental Investigations																													
Pre-Application Meeting ¹⁾																													
Develop Concept Plan																													
Township Meeting																													
Develop Permit Documents																													

1. Pre-Application meeting will be dependent upon availability of the reviewing agencies.

These services can be provided under our current Master Services Agreement. Should the Township choose to secure our services to prepare permit application(s) for the partial breach of Milltown Dam as described within this proposal, we will provide you with a Service Authorization under a separate cover letter to amend our Master Services Agreement for this work activity. If you have any questions about the proposed services or need additional information, please do not hesitate to call me or Mr. Paul Schweiger of our office at 717-763-7212, extensions 2828 and 2504, respectively. We thank you for the opportunity to provide this proposal and look forward to continuing our relationship with the Township.

Sincerely,

GANNETT FLEMING, INC.
 Environmental Resources Division

ERIC C. NEAST, P.E.
 Project Manager
 Dams and Hydraulics Section

Memorandum

East Goshen Township
1580 Paoli Pike
West Chester, PA 19380
Voice: 610-692-7171
Fax: 610-692-8950
E-mail: mgordon@eastgoshen.org

Date: 8/11/2016
To: Board of Supervisors
From: Mark Gordon, Township Zoning Officer
Re: SWM Operation and Maintenance Agreement

Dear Board Members:

The homeowner at 346 Davis Circle is proposing to construct an addition and a SWM Operation and Maintenance agreement is required.

Draft Motion:

I move that we authorize the Chairman to execute the storm water management operation and maintenance agreement for:

1. 346 Davis Circle.

Memo

Date: August 9, 2016
To: Board of Supervisors
From: Rick Smith, Township Manager
Re: Paoli Pike Trail Grants

As of August 9, 2016, we have received three grants for the Paoli Pike Trail for Segments C, D, E, F & G (Reservoir Road to Line Road) - see page 1 of the attached.

The Project Cost is:	\$4,682,000
Grants are:	\$2,886,000
The Township Match is:	\$1,796,000

We are still awaiting word on two other grant applications we submitted for Segments D & E. It is too late to amend the application we submitted to PennDOT; however, we have been advised that we can amend the DCED CFA grant application. There are two options (see page 2 of the attached):

Option 1- Submit an amended application that moves the DCED CFA grant application (\$1,538,600) to Segments A & B. This option would allow for the construction of the entire trail from Airport Road to Line Road. If we received the grant:

The Project Cost is:	\$7,677,000
Grants are:	\$4,424,600
The Township Match is:	\$3,252,400

Option 2- Submit an amended application to use the DCED CFA grant as the Township Match for the DVRPC grant for Segments D & E. This option would allow for the construction of the trail from Reservoir Road to Line Road. If we received the grant:

The Project Cost is:	\$4,682,000
Grants are:	\$3,510,400
The Township Match is:	\$1,171,600

Something for a future meeting:

Segments F & G involve work in the Applebrook Park. The estimated cost for these segments is \$631,000 and we have received a grant from the County for \$150,000, so the net cost to the Township would be \$481,000. The Public Works Department estimates it can construct these trails for \$172,500. We are not sure if we can just use the grant to purchase materials. If we forgo the grant for Segments F & G and have the Public Works Department do the work, we can reduce the Township costs by \$308,500.

Grant Status as of August 9, 2016

Segment	Description	Cost	Awarded Grant	Township Match	Status	Agency	Program
A	Airport Road to Ellis Lane	\$620,000					
B	Ellis Lane to Reservoir Road	\$2,375,000					
	Total for A-B	\$2,995,000	\$0	\$0			
C	Reservoir Road to Boot Road	\$1,423,000	\$1,000,000	\$423,000	Awarded	DRVPC	Transportation Alternatives Program
D	Boot Road to Goshen Village	\$397,000					
E	Goshen Village to N Chester Road	\$2,231,000					
	Total for D-E	\$2,628,000	\$1,736,000	\$892,000	Awarded	DVRPC	Congestion Mitigation and Air Quality
F	N Chester Road to Applebrook Park	\$258,000					
G	Connections in Applebrook Park	\$373,000					
	Total for F-G	\$631,000	\$150,000	\$481,000	Awarded	Chester County	Municipal Grant Program
Totals		\$4,682,000	\$2,886,000	\$1,796,000			

Notes: Township Match determined by subtracting awarded grant from the cost.

Pending Grants

Segment	Description	Cost	Pending Grant	Township Match	Status	Agency	Program
D	Boot Road to Goshen Village	\$397,000					
E	Goshen Village to N Chester Road	\$2,213,000					
	Total for D-E	\$2,628,000	\$1,712,000		Submitted	PennDOT	Multimodal Transportation Fund
			\$1,538,600	\$1,089,400	Submitted	DCEd CFA	Multimodal Transportation Fund

Note: It is late to amend the application for the PennDOT Multimodal Transportation Fund Grant. However, we can amend the application for the DCEd CFA Multimodal Transportation Fund Grant.

Assumes that we amend application and receive \$1,538,600 for Segments A-B

Segment	Description	Cost	Awarded Grant	Township Match	Status	Agency	Program
A	Airport Road to Ellis Lane	\$620,000					
B	Ellis Lane to Reservoir Road	\$2,375,000					
	Total for A-B	\$2,995,000	\$1,538,600	\$1,456,400		DCED CFA	Multimodal Transportation Fund
C	Reservoir Road to Boot Road	\$1,423,000	\$1,000,000	\$423,000	Awarded	DRVPC	Transportation Alternatives Program
D	Boot Road to Goshen Village	\$397,000					
E	Goshen Village to N Chester Road	\$2,231,000					
	Total for D-E	\$2,628,000	\$1,736,000	\$892,000	Awarded	DVRPC	Congestion Mitigation and Air Quality
F	N Chester Road to Applebrook Park	\$258,000					
G	Connections in Applebrook Park	\$373,000					
	Total for F-G	\$631,000	\$150,000	\$481,000	Awarded	Chester County	Municipal Grant Program
Totals		\$7,677,000	\$4,424,600	\$3,252,400			

Assumes we amend application and receive an additional \$624,400 for Segments D-E

Segment	Description	Cost	Awarded Grant	Township Match	Status	Agency	Program
A	Airport Road to Ellis Lane	\$620,000					
B	Ellis Lane to Reservoir Road	\$2,375,000					
	Total for A-B	\$2,995,000	\$0	\$0			
C	Reservoir Road to Boot Road	\$1,423,000	\$1,000,000	\$423,000	Awarded	DRVPC	Transportation Alternatives Program
D	Boot Road to Goshen Village	\$397,000					
E	Goshen Village to N Chester Road	\$2,231,000					
	Total for D-E	\$2,628,000	\$1,736,000	\$892,000	Awarded	DVRPC	Congestion Mitigation and Air Quality
		\$892,000	\$624,400	\$267,600		DCED CFA	Multimodal Transportation Fund
F	N Chester Road to Applebrook Park	\$258,000					
G	Connections in Applebrook Park	\$373,000					
	Total for F-G	\$631,000	\$150,000	\$481,000	Awarded	Chester County	Municipal Grant Program
Totals		\$4,682,000	\$3,510,400	\$1,171,600			

Notes: Township Match determined by subtracting awarded grant from the cost.

Memo
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380
E-mail rsmith@eastgoshen.org

Date: August 4, 2016
To: Board of Supervisors
From: Rick Smith, Township Manager
Re: False Alarms

The Board adopted the current false alarm ordinance in October 2009 and we implemented it on 1/1/2010. The schedule is as follows:

For the first false alarm per rolling 12 months - a warning will be issued
For the second false alarm per rolling 12 months - a warning will be issued
For the third false alarm per rolling 12 months - \$100 fee
For the fourth false alarm per rolling 12 months - \$100 fee
For the fifth false alarm per rolling 12 months - \$200 fee
For the sixth false alarm per rolling 12 months - \$200 fee
For the seventh and up false alarm per rolling 12 months - \$500 fee

A review of the available data indicates the following:

- Between 2010 and 2015, the total number of false alarms was reduced by 38%. The number of commercial false alarms was reduced by 50%, while the number of residential false alarms was only reduced by 33%.
- Between 2010 and YTD 2016, there have been 2,787 false alarms, but the Goshen Fire Company has only had to respond to 796, or 29%, of the alarms. False home alarms account for the remaining 1991 false alarms (71%).
- In 2010, the Township received \$10,300 in false alarm fees. However, this figure is not representative since everyone started out with 0 alarms on January 1, 2010. The Township received \$28,600 in false alarm fees in 2011 and it received \$13,500 in fees in 2015. This represents a reduction of 53%.
- Between 1/1/2014 and 7/14/2016, the 510 alarm users (84 commercial and 426 residential) had 862 false alarms and paid \$34,800 in fees.
- Between 1/1/2014 and 7/14/2016, the average commercial establishment had 3.21 false alarms and the average residence had 1.39 false alarms.
- Between 1/1/2014 and 7/14/2016, commercial establishments only accounted for 16% of the alarm users but generated 31% of the alarms and paid 83% of the fees.

- Between 1/1/2014 and 7/14/2016, residences accounted for 84% of the alarm users but only accounted for 69% of the false alarms and only paid 17% of the fees.
- Goshen Fire Company averaged 649 fire calls a year for 2010 to 2015, and 233 of them, or 36%, were false alarms.
- East Goshen averaged 286 fire calls a year for 2010 to 2015, and 123 of them, or 43%, were false alarms.
- Between 2010 and 2015, false alarms that the Goshen Fire Company responded to only accounted for 29% of all of the false alarms. Home alarms accounted for the remaining 71% of the false alarms.
- A police officer responds to all “fire” and “home” false alarms and it typically takes 10-15 minutes to clear a “home” false alarm. To put this in some perspective, in 2015, there were 335 false alarms in East Goshen. So, of the 27,000 hours of East Goshen police service received in 2015, WEGO spent between 55 and 84 hours dealing with false alarms. This only represents 0.002% to .003% of the total police service for East Goshen.
- Goshen Fire Company responded to 260 false alarms in 2015, and 117 of them were in East Goshen. An automatic alarm typically results in a response by a ladder truck and one engine for a commercial property or two engines for a residence. Staffing would consist of the four career staff and four volunteers (a total of eight fire fighters), plus the Chief or Assistant Chief under a best-case scenario. A typical false call would probably take one hour from the call coming in until the volunteers could leave to go back home or return to work. If they have to wait until the property owner shows up to open the front door, it would be longer. To put this in perspective, in 2015, Goshen had 260 false alarms which required 2,340 hours (260 x 9). The Goshen career staff spent 1,040 hours (260 x 4) responding. At least they were getting paid. The Chief and the four volunteers lost 1,300 hours of sleep or work (260 x 5) responding to false alarms.

Discussion

While the alarm ordinance has been effective in reducing the number of false alarms, I would suggest that we need to attempt to reduce the number of false alarms even more. I believe that most residents are not aware of the impact that a false alarm has on the fire company, so we need to better educate the alarm users and we should penalize those alarm users who “abuse” the system.

Recommendation

I would suggest putting an article in the newsletter and on the web page about the impact false alarms are having on the fire company and the possibility of increasing the fee for false alarms that require the fire company to respond.

Memo

Date: August 10, 2016
To: Board of Supervisors
From: Rick Smith, Township Manager
Re: Vehicles

We currently have one vehicle available for the Township staff's use during the day. However, since Jason uses it for his programs it is frequently not available if Mark Gordon or I need to go to a seminar, meeting or go look at a property, etc.

There is not enough usage to justify purchasing a new vehicle. However, the police department sells 4 vehicles a year, so I would like to acquire one of them for Township Staff's use.

F:\Data\Shared Data\Public Works Dept\Equipment purchases 2016\Memo Vehicle 081016.doc

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**EAST GOSHEN TOWNSHIP
BOARD OF SUPERVISORS MEETING
1580 PAOLI PIKE
July 5, 2016 – 7:00 pm
DRAFT MINUTES**

Present: Chairman Senya D. Isayeff, Vice-Chairman Marty Shane, Carmen Battavio, Janet Emanuel, Chuck Proctor, Township Manager Rick Smith, CFO Jon Altshul, and ABC Member Erich Meyer (Conservancy Board).

Call to order & Pledge of Allegiance:

Senya called the meeting to order at 7:05 pm and asked Tim Coggins and Tom Ford, two rising 11th graders and local Boy Scouts, to lead the assembly in the Pledge of Allegiance.

Moment of Silence:

Carmen called for a moment of silence to honor the members of the military who keep us safe both locally and abroad, and to extend prayers to all those affected in the recent Orlando shootings tragedy.

Recording of Meeting: None.

Fire Marshal Report:

Carmen reported on six recent incidents

- A break in the fire line at the Goshen Village Shopping Center on June 27th.
- An open burning at 1540 Colonial Lane on June 27th.
- A code violation/unsafe work environment at the Goshen Village Shopping Center on June 30th.
- A fire alarm at Bellingham that appeared to be due to an issue in the elevator mechanical room on July 2nd.
- Another fire alarm at Bellingham on July 3rd.
- A fire alarm at Racquet Club Building K, which identified possible code violations in the boiler room.

Financial Report: Jon reported that the 2015 Financial Statement was included in the agenda and has been posted on the website. He noted that no issues were identified during the audit.

Consider Awarding Bid for Milling Machine:

Rick noted that we only received one bid for milling machine rental, probably because most companies prefer to offer milling machine rental with operators. The bid was from CC&T, which offered 24 hour rental for \$2,500; weekly rental for \$7,000; and 2 week rental for \$14,000. Carmen made a motion to accept the bid from CC&T, Inc in the amount of \$14,000 for a two week rental. Marty seconded the motion. The motion passed 4-0 (Chuck did not arrive until later in the meeting).

Consider Awarding Bid for Tree Removal

1 Rick explained that we had three bids for tree removal:

- 2
- 3 1) Jimmy's Tree & Landscape Contractors, Philadelphia--\$23,920 (estimated based on
- 4 hourly rates)
- 5 2) Greenscape Tree Services, Glenside, PA--\$25,500 (estimated based on hourly rates)
- 6 3) Knight Brothers, Aston, PA--\$40,278 (estimated based on hourly rates)
- 7

8 Marty had a motion to award the bid to Jimmy's Tree and Landscaping. Carmen seconded the
9 motion. The motion passed 4-0.

10

11 **Consider Recommendation from Deer Committee and Resolution**

12 Marty stated that he was confused by the language about the no hunting days in the resolution
13 and asked that the language in the resolution be amended to be clear that no hunting shall be
14 permitted from December 12-December 31. Marty made a motion to approve Chester County
15 Trackers to manage the Grand Oak and Mill Creek open space area, Main Line Whitetail
16 Managers to manage the Supplee open space area, Keystone Archers to manage the Bow Tree
17 and Clocktower open space area, and Tri-County Whitetail Management to manage the
18 Westworth open space area during the 2016 Township archery hunting season and to adopt
19 Resolution 2016-24 adopting specific provisions of the deer management program for the 2016-
20 2017 season, with the changes identified. Carmen seconded the motion. The motion passed 4-0.

21

22 **Consider Execution of Agreement for West Chester Pike Green Light-Go Project**

23 Rick explained that the agreement allows for up to 10% overrun in cost from change orders. He
24 noted that West Goshen had agreed to participate in the grant program and that Westtown was
25 discussing the matter at its meeting tonight. Carmen made a motion to authorize the Chairman to
26 execute the agreement and resolution for the Green Light-Go Project upon confirmation that
27 Westtown wants to proceed. Marty seconded the motion. The motion passed 4-0.

28

29 **Consider Development Agreements for Six Properties**

30 Janet made a motion to sign and execute development agreements for the following properties:

- 31
- 32 1) 943 and 943A Cornwallis Drive
- 33 • Approved Subdivision and Land Development plan to be signed by Board
 - 34 • Subdivision and Land Development agreement to be signed by Board
 - 35 • Financial Security Agreements to be signed by the Board
 - 36 • Stormwater Management Agreements to be signed by the Chairman
- 37 2) 946 Cornwallis Dr (942 Cornwallis Drive, Lot 2)
- 38 • Subdivision and Land Development agreement to be signed by Board
 - 39 • Financial Security Agreement to be signed by the Board
- 40 3) 947 Cornwallis Drive
- 41 • Stormwater Management Agreement to be signed by the Chairman
- 42 4) 957 Cornwallis Drive
- 43 • Stormwater Management Agreement to be signed by the Chairman
- 44 5) 1668 E. Boot Rd (1662 E Boot Rd, Lot 1)
- 45 • Subdivision and Land Development agreement to be signed by Board
 - 46 • Financial Security Agreement to be signed by the Board

1 6) 724 Peach Tree Drive

- 2 • Stormwater Management Agreement for construction of a new swimming pool

3
4 Carmen seconded the motion. The motion passed 4-0.

5
6 **Consider Land Planner for Hershey's Mill Dam**

7 Marty asked Rick to provide a timeline for all aspects of engineering, permitting, land planning
8 and construction for both dams. Carmen made a motion to accept the Manager's
9 recommendation to expand the RFP for a land planner approved at the June 28th meeting to
10 include designs for the area above Hershey's Mill Dam. Marty seconded the motion. Neil
11 Deriemer, 1034 Hershey's Mill Road, asked for clarification on the RFP. The motion passed 4-0.

12
13 **Consider Changes for Refuse and Recycling Bid**

14 Rick recommended that the Township not make any changes to the existing refuse/recycling
15 program and that the Township go with a one year contract, with the option to renew for up to
16 four additional years. Structuring the contract this way will allow the Township to terminate the
17 contract if we receive complaints. Senya noted that he has been very pleased with the current
18 hauler. Marty made a motion to accept the Manager's recommendation to not make any changes
19 to the current program and to go out to bid for a one year contract with an option to renew for up
20 to four years. Carmen seconded. The motion passed 4-0.

21
22 **Any Other Matter**

23 Rick noted that K. Hovnanian had \$1,360 remaining in escrow for Yardley Village, but that there
24 are still some spots where grass has not yet established. The Yardley HOA has requested that the
25 escrow be closed, by paying \$115 to Pennoni for one hour of engineering work and the balance
26 of \$1,245 to the HOA to complete the seeding. He stated that K. Hovnanian has no objections to
27 this arrangement. Senya made a motion to release the balance of the escrow account to the
28 Yardley Village HOA after payment of the engineering cost. Marty seconded the motion. The
29 motion passed 5-0.

30
31 Rick noted that he was able to reduce the invoice from Precision Mechanical for work at the
32 Blacksmith Shop that was rejected at the June 21st meeting by 2 hours or about \$200 to \$621.10.
33 Carmen felt this amount was still too high, but made a motion to approve payment to Precision in
34 this amount for the services rendered. Chuck seconded the motion. The motion passed 5-0.

35
36 **Approval of Minutes**

37 Marty made a motion to approve the minutes as amended. Carmen seconded the motion. The
38 motion passed 5-0.

39
40 **Consider Contribution to Goshen Fire Company**

41 Carmen expressed concern about the fact that the Fire Company has not followed up with the
42 Township about many of the issues that have been identified with them over the past two years,
43 but made a motion to approve the Township's contribution for \$268,018 for 2016. Chuck
44 seconded the motion. The motion passed 5-0. Carmen also made a motion to work with Marty as
45 part of a subcommittee to write a letter to the Fire outlining all of the items that the Township

1 would like resolved. Janet seconded the motion. The motion passed 4-1, with Marty opposed on
2 the grounds that he didn't want to be on another subcommittee.

3
4 **Treasurer's Report:**

5 *See attached Treasurer's Report for June 30, 2016.* The Board reviewed the Treasurer's Report
6 and the current invoices. Carmen moved to graciously accept the Treasurer's Report and the
7 Expenditure Register Report as recommended by the Treasurer, to accept the receipts and to
8 authorize payment of the invoices just reviewed. Marty seconded. The Board voted
9 unanimously to approve the motion.

10
11 **Correspondence, Reports of Interest:** The Board acknowledged receipt of the following:

- 12 • The June 17, 2016 letter from Verizon about recent system blackouts.
- 13 • 2nd Quarter Right-to-Know Report.
- 14 • Letters of resignation from Judy Schaefer and Chris Reardon from the Historical
15 Commission.

16
17 **Public Comment:**

18 *None*

19
20 **Adjournment:**

21 There being no further business, Janet motioned to adjourn the meeting at 8:06 pm. Chuck
22 seconded. The Board voted unanimously to adjourn.

23
24 Respectfully submitted,

25 *Jon Altshul*

26
27 Attachment: *Treasurer's Report for June 16, 2016*
28

**TREASURER'S REPORT
2016 RECEIPTS AND BILLS**

GENERAL FUND

Real Estate Tax	\$32,767.23	Accounts Payable	\$98,604.77
Earned Income Tax	\$24,100.00	<u>Electronic Pmts:</u>	
Local Service Tax	\$1,100.00	Credit Card	\$1,991.73
Transfer Tax	\$0.00	Postage	\$0.00
<i>General Fund Interest Earned</i>	\$0.00	Debt Service	\$0.00
Total Other Revenue	\$52,814.71	Payroll	\$106,203.95
Total Receipts:	<u>\$110,781.94</u>	Total Expenditures:	<u>\$206,800.45</u>

STATE LIQUID FUELS FUND

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total State Liquid Fuels:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

SINKING FUND

Receipts	\$0.00	Accounts Payable	\$38,178.26
<i>Interest Earned</i>	\$0.00	Credit Card	\$0.00
Total Sinking Fund:	<u>\$0.00</u>	Total Expenditures:	<u>\$38,178.26</u>

TRANSPORTATION FUND

Receipts	\$7,755.00		
<i>Interest Earned</i>	\$0.00		
Total Sinking Fund:	<u>\$7,755.00</u>	Expenditures:	<u>\$0.00</u>

SEWER OPERATING FUND

Receipts	\$56,476.21	Accounts Payable	\$86,777.34
<i>Interest Earned</i>	\$0.00	Debt Service	\$0.00
Total Sewer:	<u>\$56,476.21</u>	Credit Card	\$0.00
		Total Expenditures:	<u>\$86,777.34</u>

REFUSE FUND

Receipts	\$21,275.25		
<i>Interest Earned</i>	\$0.00		
Total Refuse:	<u>\$21,275.25</u>	Expenditures:	<u>\$31,535.78</u>

SEWER SINKING FUND

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Sewer Sinking Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

OPERATING RESERVE FUND

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Operating Reserve Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

Events Fund

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Events Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

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**EAST GOSHEN TOWNSHIP
BOARD OF SUPERVISORS MEETING
1580 PAOLI PIKE
AUGUST 2, 2016 – 7:00 pm
DRAFT MINUTES**

Present: Chairman Senya D. Isayeff, Vice-Chairman Marty Shane, Carmen Battavio, Janet Emanuel; Charles (Chuck) Proctor; Township Manager Rick Smith, Township CFO Jon Altshul; ABC Member Erich Meyer (Conservancy Board).

Call to order & Pledge of Allegiance:

Senya called the meeting to order at 7:00 pm and asked Jon Altshul to lead the assembly in the Pledge of Allegiance.

Moment of Silence:

Carmen called for a moment of silence to honor the members of the military who keep us safe both locally and abroad, and to extend prayers to Police Officer in the line of duty, and for Carmen's sister-in-law, who passed this evening.

Recording of Meeting: *None*

Chairman's Report:

- a. Senya announced that PA DEP is holding a public hearing to accept comments on the Mariner East II Project on Wednesday, August 10, 2016, at 6:30 p.m. at Sykes Student Union. Anyone wishing to offer testimony will need to pre-register for this hearing.
- b. Senya announced that in September, the Chester County Planning Commission will begin the process to update Landscapes2.

Public Hearing: *None*

Emergency Services Report:

Fire Marshall: Carmen reported on the dispatch by the Goshen Fire Company to Bellingham Longwood Building on July 27, 2016 and the subsequent water damage to the smoke detectors at this facility. Carmen recommended that the Constant Fire Watch be maintained until the system is repaired, residents were safe to remain in their units; and that these recommendations were relayed to the on staff Maintenance Supervisor. Carmen notified the Goshen Fire Company officer of the poor radio reception in this facility's basement and recommended booster systems in it and in other similar (older commercial and senior care facility) buildings throughout East Goshen Township. Carmen also commented on the July 20, 2016 inspection of 2020 Valley Drive, and this building's lack of working smoke detectors.

New Business:

1. **Consider RFP for a Land Planner for the Milltown and Hershey Mill Dams:** Rick discussed the draft RFP to prepare a plan on how the area above each dam can be developed and/or utilized after each dam is breached. Marty commented that it was his

1 understanding that there would be public participation in the planning stages with small
2 working groups, and that a committee needs to be formed. Rick further discussed his
3 draft RFP, noting the public participation components in each of the four planning
4 phases. Senya suggested expanding Phase 1(Visioning).
5

6 *Mike Lehmicke, 4 Reservoir Road*, commented that residents should be consulted as soon
7 as possible, before the questionnaire is publically distributed, and that he approves of
8 forming committees to work with the consultant. Mr. Lehmicke also suggested it would
9 be helpful to outline a range of volunteer time would be required to serve on a committee.
10

11 Senya reviewed his statement from the June 28, 2016 Special Meeting minutes (pg. 6).
12 Senya stressed that the time to make changes to the RFP is at hand, and suggested
13 expanding the scope of work in Phase 1 (Visioning). Senya asked Janet how many
14 planning sessions were needed in the Park Master Planning sessions.
15

16 *Chuck Heppler, 12A Reservoir Road*, agrees with Mike and feels it is important for the
17 public to sit down with the Land Planner at the appropriate time.
18

19 Rick commented that ideas would be expressed at public meetings, so everyone can voice
20 their opinions.
21

22 *Mike Lehmicke, 4 Reservoir Road*, commented that three planning sessions is appropriate
23 to give full public involvement.
24

25 Janet commented that multiple meetings are more appropriate at the Concept Phase, not
26 at the Visioning Phase. Senya suggested it would be helpful to know the pricing of each
27 meeting so more/less meetings could be adjusted accordingly. Chuck agreed with this
28 idea. Rick said he would get price estimates on meeting sessions toward this end. Rick
29 thought it would be helpful to send out ads of public notices requesting volunteers to
30 serve on planning committees. Marty commented that no more than eleven (11) people
31 should serve on a committee.
32

33 *Chuck Heppler, 12A Reservoir Road*, commented that the committees should be made up
34 of a small amount of people. Mr. Heppler asked Rick for clarification on what Gannett
35 Flemings involvement would be.
36

37 **2. Consider Request from CTDI for a 5K Race:** Rick discussed the request by CTDI to
38 use Enterprise Drive for their second annual CTDI Cares 5K Race on Sunday, September
39 25, 2016. The event was held last year with no incidents. Marty motioned to approve the
40 requested temporary one way traffic circulation on Enterprise Drive for the CTDI
41 CARES 5K Race on September 25, 2016 with the following conditions:

- 42 • Notification of the event and the one way vehicle circulation shall be sent to all
43 property owners along Enterprise Drive, the Goshen Fire Company and the Westtown
44 East Goshen Regional Police Department.
- 45 • Road barricades and Goshen Fire Police will be positioned where needed to direct the
46 one way traffic into the outer lane of Enterprise Drive.

- 1 • All Police, Fire Police and Goshen Fire Company expenses will be the responsibility
2 of CTDI.

3 Carmen seconded. The Board voted unanimously in favor of the motion.

- 4 3. **Consider Request for a File Transfer from Ballard Spahr:** Rick discussed the
5 conditions surrounding the request to transfer East Goshen Township's Labor and
6 Employment files from Ballard Spahr LLP to Campbell, Durrant, Beatty, Palombo &
7 Miller, P.C. Carmen motioned to authorize the Chairman to sign the Authorization for
8 Transfer of Files Form to deliver all East Goshen Township electronic and paper files
9 from Ballard Spahr to Campbell Durrant effective September 1, 2016. Marty seconded.

10
11 Senya suggested the Board know what the billable rates of Campbell Durrant are before
12 the Township files are transferred to them, as this action would imply the Township's
13 acquiescence for Campbell Durrant to handle future labor and employment work on
14 behalf of the Township. Carmen agreed that the Board should ask for the billable rates of
15 Campbell Durrant. Janet suggested the Board should inquire about Campbell Durrant's
16 rates when actual work needs to be handled. Marty agreed that the time to know pricing
17 is before you need services performed.

18
19 The Board voted 4 to 1 in favor of the motion. Senya was in opposition of the motion for
20 his reason stated above. Carmen motioned to obtain pricing from a variety of firms and
21 then retracted this motion. The Board decided to uphold the voting results as noted
22 above, with Senya in opposition.

- 23 4. **Consider Executing Storm Water Operation and Maintenance Agreement for 828**
24 **Cottonwood Drive:** Marty motioned to execute storm water management operation and
25 maintenance agreements for 828 Cottonwood Drive. Carmen seconded. The Board
26 voted unanimously in favor of the motion.

27
28 **Any Other Matter:**

- 29 1. Rick announced that the Township was awarded \$1,736,000 for the Paoli Pike Trail
30 Segment D-E from the Delaware Valley Regional Planning Commission Program.
31 2. It was announced that Barbra Jacobs has resigned from the Park Commission and that
32 Gwenne Alexander, who serves on the Vacancy Board, has moved from the Township,
33 creating another vacant position as well.

34
35 **Approval of Minutes:** The Board reviewed and made changes to the following meeting
36 minutes:

- 37 1. June 28, 2016 ~ The Board tabled approving these minutes until additional information
38 was added.
39 2. July 19, 2016 ~ Janet motioned to approved the changes to these minutes. Carmen
40 seconded. The Board voted unanimously in favor of the motion.

41
42 **Treasurer's Report:**

43 *See attached Treasurer's Report for July 28, 2016.* The Board reviewed the Treasurer's Report
44 and the current invoices. Carmen moved to graciously accept the Treasurer's Report and the
45 Expenditure Register Report as recommended by the Treasurer, to accept the receipts and to

1 authorize payment of the invoices just reviewed. Janet seconded. The Board voted unanimously
2 to approve the motion.

3
4 **Correspondence, Reports of Interest:** The Board acknowledged receipt of the following:

- 5 1. The Certificate of Population Density
- 6 2. A letter commending Jason Lang and his work at the Park and Recreation Department
- 7 3. A PennDOT notice concerning street signs

8
9 **Public Comment:** Christian Callahan, a staff employee of Dan Truitt's office commented on
10 Dan Truitt's latest public appearances and legislative activities. Chuck inquired on the current
11 \$60 million pension deficit and asked for clarification as to what groups this pertains to. Mr.
12 Callahan said that he would get the answer to this question and forward it to the Board at a future
13 time. Senya asked to have a message sent to Dan Truitt to move forward with pension reform
14 and for the PA lawmakers to stop passing this issue along to future generations.

15
16 Jon Altshul shared that \$23,000 has been raised by the Friends of East Goshen fundraising
17 efforts, and that this organization is getting very close to their \$30,000 fundraising goal.

18
19 **Adjournment:**

20 There being no further business, Marty motioned to adjourn the meeting at 8:30 pm. Janet
21 seconded. The Board voted unanimously to adjourn.

22
23 Respectfully submitted,
24 *Christina Rossetti Hartnett*
25 *Recording Secretary*

26
27 Attachment: *Treasurer's Report for July 28, 2016*
28

August 11, 2016

**TREASURER'S REPORT
2016 RECEIPTS AND BILLS**

GENERAL FUND

Real Estate Tax	\$527.71
Earned Income Tax	\$659,074.05
Local Service Tax	\$54,411.71
Transfer Tax	
<i>General Fund Interest Earned</i>	\$493.32
Total Other Revenue	\$35,426.80
Total Receipts:	\$749,933.59

Accounts Payable	\$611,476.20
<u>Electronic Pmts:</u>	
Credit Card	\$3,617.02
Postage	\$0.00
Debt Service	\$13,099.73
Payroll	\$114,012.92
Total Expenditures:	\$742,205.87

STATE LIQUID FUELS FUND

Receipts	\$0.00
<i>Interest Earned</i>	\$60.05
Total State Liquid Fuels:	\$60.05

Expenditures:	\$0.00
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SINKING FUND

Receipts	\$0.00
<i>Interest Earned</i>	\$4,143.37
Total Sinking Fund:	\$4,143.37

Accounts Payable	\$0.00
<i>Credit Card</i>	\$0.00
Total Expenditures:	\$0.00

TRANSPORTATION FUND

Receipts	\$0.00
<i>Interest Earned</i>	\$201.41
Total Sinking Fund:	\$201.41

Expenditures:	\$0.00
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SEWER OPERATING FUND

Receipts	\$235,456.64
<i>Interest Earned</i>	\$50.12
Total Sewer:	\$235,506.76

Accounts Payable	\$341,125.51
<i>Debt Service</i>	\$30,836.43
<i>Credit Card</i>	\$0.00
Total Expenditures:	\$371,961.94

REFUSE FUND

Receipts	\$58,796.72
<i>Interest Earned</i>	\$74.03
Total Refuse:	\$58,870.75

Expenditures:	\$73,187.99
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SEWER SINKING FUND

Receipts	\$244.49
<i>Interest Earned</i>	\$0.00
Total Sewer Sinking Fund:	\$244.49

Expenditures:	\$21,151.00
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OPERATING RESERVE FUND

Receipts	\$0.00
<i>Interest Earned</i>	\$267.18
Total Operating Reserve Fund:	\$267.18

Expenditures:	\$0.00
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Events Fund

Receipts	\$0.00
<i>Interest Earned</i>	\$1.03
Total Events Fund:	\$1.03

Expenditures:	\$0.00
---------------	---------------

**EAST GOSHEN TOWNSHIP
MEMORANDUM**

TO: BOARD OF SUPERVISORS
FROM: BRIAN MCCOOL
SUBJECT: PROPOSED PAYMENTS OF BILLS
DATE: 08-11-2016

Please accept the attached Treasurer's Report and Expenditure Register Report for consideration by the Board of Supervisors. I recommend the Treasurer's Report and each register item be approved for payment.

General Fund expenses include \$237,055 for the August contribution to WEGO, \$35,456 for health insurance, \$29,820 for professional services for Milltown Dam, and \$369,489 for resurfacing costs.

Sewer Fund expenses include \$200,635 to West Goshen Township for 2nd quarter sewer operations and maintenance costs and \$96,570 to Westtown Township for 2nd Quarter expenses for Cider Knoll and Summit House.

\$21,151 was charged to the Sewer Sinking Fund for a new muffin monster.

Please advise if the Board decides to make any changes or if the reports are acceptable as drafted.

EAST GOSHEN TOWNSHIP
MONTHLY DEBT PAYMENT BREAKDOWN
August 25, 2016

GENERAL FUND:

Interest payment	Principal payment	Loan Description	Original loan amount	Remaining Principal	Retirement Date
\$9,751.38	\$0	Multi purpose 9 projects	\$5,500,000	\$2,715,000	2023
\$2,973.95	\$0	Applebrook Park	\$3,000,000	\$879,000	2019
\$374.40	\$0	Spray Irrigation	\$287,000	\$108,000	2021

SEWER FUND:

Interest payment	Principal payment	Loan Description	Original loan amount	Remaining Principal	Retirement Date
\$996.40	\$0	Sewer Operations Munic Authority	\$1,128,000	\$282,000	2018
\$23,958.00	\$0	RCSTP Expansion	\$9,500,000	\$7,260,000	2032
\$5,882.03	\$0	Diversion Projects	\$2,500,000	\$2,315,000	2033

Report Date 08/03/16

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01		GENERAL FUND								
1471				WESTTOWN-EAST GOSHEN POLICE						
	48196	1	01410 5300	POLICE GEN.EXPENSE	080116	08/03/16	08/01/16	08/03/16	11700 p	237,054.68
				AUGUST 2016 CONTRIBUTION						
										237,054.68
										237,054.68
										1 Prepaids, totaling 237,054.68
										0 Printed, totaling 0.00

FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	237,054.68	GENERAL FUND
		237,054.68	

PERIOD SUMMARY

Period	Amount
1608	237,054.68
	237,054.68

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01	GENERAL FUND									
2226	48204	1	01401 3400	21ST CENT.MEDIA-PHILLY #884433 ADVERTISING - PRINTING NOTICE - E.GOSHEN PARK COMMISSION	1081045	08/08/16		08/08/16		58.13
										58.13
6	48205	1	01409 3740	ABC PAPER & CHEMICAL INC TWP. BLDG. - MAINT & REPAIRS C-FOLD PAPER TOWELS	073482	08/08/16		08/08/16		101.00
										101.00
68	48211	1	01401 3120	AMS APPLIED MICRO SYSTEMS LTD. CONSULTING SERVICES JULY 2016	62455	08/08/16		08/08/16		1,147.00
	48211	2	01452 3000	GENERAL EXPENSE JULY 2016 - PARK & REC. MODULE	62455	08/08/16		08/08/16		150.00
	48211	3	01414 5001	ZONING IT CONSULTING JULY 2016 - GEO PLAN	62455	08/08/16		08/08/16		28.00
										1,325.00
1657	48213	1	01409 3600	AQUA PA TWP. BLDG. - FUEL, LIGHT, WATER 000309828 0309828 6/17-7/19/16 TB	072116 TB	08/08/16		08/08/16		119.90
	48214	1	01409 3605	PW BLDG - FUEL,LIGHT,SEWER & WATER 000496917 0309798 6/17-7/19/16 PW	072116 PW	08/08/16		08/08/16		198.69
	48215	1	01409 3600	TWP. BLDG. - FUEL, LIGHT, WATER 000309801 0309801 6/22-7/22/16 BS	072616 BS	08/08/16		08/08/16		16.00
	48216	1	01409 3600	TWP. BLDG. - FUEL, LIGHT, WATER 000309820 0309820 6/17-7/19/16 FR	072116 FR	08/08/16		08/08/16		192.00
										526.59
82	48223	1	01430 2330	ASSOCIATED TRUCK PARTS VEHICLE MAINT AND REPAIR SLACK ADJUSTER & CLEVIS PIN	77482	08/08/16		08/08/16		83.75
	48224	1	01430 2330	VEHICLE MAINT AND REPAIR LED TAIL & MARKER LAMPS & GROMMETS	74001	08/08/16		08/08/16		190.58
										274.33
99	48225	1	01430 2330	AW DIRECT INC. VEHICLE MAINT AND REPAIR SHOVEL HOLDER, BRACKETS, BUCKET & CLAMPS	SI02708804	08/08/16		08/08/16		240.65
	48226	1	01430 2330	VEHICLE MAINT AND REPAIR BRACKETS, CLAMPS & BUCKETS	SI02709670	08/08/16		08/08/16		663.28

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01		GENERAL FUND								
3488				CINTAS CORPORATION #287						
48242	1	01409	3740	TWP. BLDG. - MAINT & REPAIRS WEEK END 7/13/16 CLEAN MATS	287586672	08/09/16		08/09/16		74.75
48242	2	01487	1910	UNIFORMS WEEK END 7/13/16 CLEAN UNIFORMS	287586672	08/09/16		08/09/16		325.61
48243	1	01409	3740	TWP. BLDG. - MAINT & REPAIRS WEEK END 7/20/16 CLEAN MATS	287590047	08/09/16		08/09/16		74.75
48243	2	01487	1910	UNIFORMS WEEK END 7/20/16 CLEAN UNIFORMS	287590047	08/09/16		08/09/16		325.61
48244	1	01409	3740	TWP. BLDG. - MAINT & REPAIRS WEEK END 7/27/16 CLEAN MATS	287593374	08/09/16		08/09/16		74.75
48244	2	01487	1910	UNIFORMS WEEK END 7/27/16 CLEAN UNIFORMS	287593374	08/09/16		08/09/16		325.61
48245	1	01409	3740	TWP. BLDG. - MAINT & REPAIRS WEEK END 8/03/16 CLEAN MATS	287596727	08/09/16		08/09/16		74.75
48245	2	01487	1910	UNIFORMS WEEK END 8/03/16 CLEAN UNIFORMS	287596727	08/09/16		08/09/16		325.61
										1,601.44
296				COMCAST 8499-10-109-0028306						
48246	1	01401	3210	COMMUNICATION EXPENSE 0028306 AUGUST 2016	072016	08/09/16		08/09/16		70.00
										70.00
3250				COMCAST 8499-10-109-0107704						
48247	1	01401	3210	COMMUNICATION EXPENSE 0107704 7/23-8/22/16 P&BOOT LED	071316	08/09/16		08/09/16		115.25
										115.25
2912				CONTINENTAL FIRE & SAFETY INC.						
48250	1	01430	2320	VEHICLE OPERATION - FUEL 6 5 GAL.CANS - SMALL ENGINE FUEL	F3443	08/09/16		08/09/16		486.00
										486.00
317				CONTRACTOR'S CHOICE						
48251	1	01437	2460	GENERAL EXPENSE - SHOP ORANGE SAFETY FLAGS & YELLOW CHALK	00203215	08/09/16		08/09/16		33.16
48252	1	01430	2330	VEHICLE MAINT AND REPAIR ADJUSTMENT SCREWS	00203596	08/09/16		08/09/16		19.48
										52.64

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
3717	48253	1	01367 3100	CURLEY, REGINA SUMMER PROGRAM REFUND SUMMER CAMP- WKS 3-5	071416	08/09/16		08/09/16		270.00
										270.00
2233	48255	1	01430 2330	DEIHM SERVICES VEHICLE MAINT AND REPAIR DISASSEMBLE AND PAINT TRAILER	5827	08/09/16		08/09/16		3,802.05
	48256	1	01432 2500	SNOW - MAINTENANCE & REPAIRS DISASSEMBLE & PAINT FREIGHTLNER 41	5845	08/09/16		08/09/16		5,500.00
										9,302.05
3613	48257	1	01486 1560	DELAWARE VALLEY HEALTH TRUST HEALTH, ACCID. & LIFE AUGUST 2016 PREMIUM MEDICAL & RX	11688	08/09/16		08/09/16		34,562.61
	48257	2	01213 1000	DENTAL INSURANCE W/H AUGUST 2016 PREMIUM DENTAL	11688	08/09/16		08/09/16		893.28
										35,455.89
3220	48273	1	01487 1910	DIMARTINI, VINCENT UNIFORMS REIMBURSEMNT FOR WORK BOOT PURCHASE	072716	08/09/16		08/09/16		93.10
										93.10
418	48258	1	01430 2330	EAGLE POWER AND EQUIPMENT VEHICLE MAINT AND REPAIR RADIATOR	T447295	08/09/16		08/09/16		650.00
	48259	1	01430 2330	VEHICLE MAINT AND REPAIR THROTTLE	T447306	08/09/16		08/09/16		575.00
	48260	1	01430 2330	VEHICLE MAINT AND REPAIR 2 SPEED JACK	T447283	08/09/16		08/09/16		485.00
										1,710.00
430	48262	1	01409 3605	EAST GOSHEN TWP - SEWER PW BLDG - FUEL, LIGHT, SEWER & WATER QTR.3 2016 UTILITY PAYMENT PW	070116-PW	08/09/16		08/09/16		253.52
	48263	1	01409 3600	TWP. BLDG. - FUEL, LIGHT, WATER QTR.3 2016 UTILITY PAYMENT TWP	070116-TWP	08/09/16		08/09/16		111.06
										364.58

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
2075				ELVERSON SUPPLY COMPANY						
	48267	1	01437 2460	GENERAL EXPENSE - SHOP 3X8X12 TRYP	277246	08/09/16		08/09/16		158.00
										158.00
3721				FERNANDO, ELIZABETH						
	48269	1	01367 3100	SUMMER PROGRAM REFUND DUE TO OVERPAYMT - YTH CAMP DISCOUNT OVERLOOKED 2 WKS FOR 3 CHILDREN @ \$7 PER WK. PER CHILD	072216	08/09/16		08/09/16		28.00
										28.00
3595				FETTERS INC., R.W.						
	48268	1	01438 3845	EQUIP. RENTAL -RESURFAC. TRI-AXLE HAULING 7/18-7/25/16	072716	08/09/16		08/09/16		3,802.50
										3,802.50
1970				GANNETT FLEMING COMPANIES						
	48270	1	01454 3718	MILLTOWN DAM SERVICES RE: MILLTOWN DAM 3/25/16 - 6/28/16	060466.03*19088	08/09/16		08/09/16		28,280.00
	48271	1	01454 3718	MILLTOWN DAM MILLTOWN DAM ASSESSMENT & ALTERNATI VES ANALYSIS AND PROPERTY SURVEY	060466.01*19091	08/09/16		08/09/16		1,540.00
										29,820.00
563				GRAINGER						
	48276	1	01437 2460	GENERAL EXPENSE - SHOP STANDARD AA BATTERIES	9168292119	08/09/16		08/09/16		218.52
	48277	1	01437 2460	GENERAL EXPENSE - SHOP RETURN AA BATTERIES	9171526198	08/09/16		08/09/16		-218.52
										0.00
2631				GRAPHIC IMPRESSIONS OF AMERICA INC.						
	48274	1	01401 2110	STATIONERY 500 BUSINESS CARDS - C. BATTAVIO	16-6620	08/09/16		08/09/16		45.00
	48275	1	01401 2110	STATIONERY 4 BOXES BOS ENVELOPES	16-6695	08/09/16		08/09/16		264.00
										309.00

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
3131	48278	1	01401 3840	GREAT AMERICA FINANCIAL SERVICES RENTAL OF EQUIP. -OFFICE AUGUST 2016 LANIER MP C5503 COPIER	19115523	08/09/16		08/09/16		305.00
										305.00
627	48279	1	01438 2450	HIGHWAY MATERIALS INC. MATERIALS & SUPPLIES-HIGHWAYS 4.08 TONS 9.5H, .3<3 ASPHALT	1640586MB	08/09/16		08/09/16		193.60
										193.60
3252	48280	1	01430 2330	HUNTER KEYSTONE PETERBILT L.P. VEHICLE MAINT AND REPAIR MIRROR	1-261960058	08/09/16		08/09/16		463.46
										463.46
660	48281	1	01452 3507	ICE LINE LEARN TO SKATE TOT CLASSES 2/3-3/9/16	060316	08/09/16		08/09/16		1,848.00
										1,848.00
679	48282	1	01430 2330	INTERCON TRUCK EQUIPMENT VEHICLE MAINT AND REPAIR AIM STAINLESS & CLEVIS	1052382-IN	08/09/16		08/09/16		128.90
	48283	1	01430 2330	VEHICLE MAINT AND REPAIR UPPER BENTS ARMS, SOLENOIDS & TARP SWITCH	1052383-IN	08/09/16		08/09/16		576.60
										705.50
3308	48284	1	01452 3717	LANG, JASON HIGH SCHOOL ENTREPRENEURIAL ACADEMY	072516	08/09/16		08/09/16		171.99
	48284	2	01452 2000	REIMBURSEMNT-SUPPLIES - ENTRE ACAD. SUMMER PROGRAM SUPPLIES REIMBURSEMNT-SUNDAE SUPPLIES - CAMP	072516	08/09/16		08/09/16		50.32
										222.31
765	48285	1	01409 3840	LENNI ELECTRIC CORPORATION DISTRICT COURT EXPENSES DIST.COURT FIRE INSPECT. CORRECTION	160709	08/09/16		08/09/16		160.71
										160.71

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
787	48287	1	01409 3740	LOW-RISE ELEVATOR CO. INC TWP. BLDG. - MAINT & REPAIRS BASIC MAINTENANCE - JULY 2016	67423	08/09/16		08/09/16		40.00
										40.00
1817	48286	1	01437 2460	LOWES BUSINESS ACCOUNT/GECF GENERAL EXPENSE - SHOP PW GRILL PARTS	071716	08/09/16		08/09/16		20.13
	48286	2	01454 3740	EQUIPMENT MAINT. & REPAIR TREATED LUMBER - PARK HANDRAIL	071716	08/09/16		08/09/16		311.42
										331.55
800	48288	1	01438 3845	MACANGA INC. EQUIP. RENTAL -RESURFAC. MILLING MACHINE, PAVER, 2 ROLLERS, 4 TRUCKS & 3 LABORERS 7/25/16	062816	08/10/16		08/10/16		7,359.50
	48289	1	01438 3845	EQUIP. RENTAL -RESURFAC. MILLING MACHINE, PAVER, ROLLERS, TRUCKS, SWEEPER & LABOR 7/13-7/22	072216	08/10/16		08/10/16		116,503.50
	48289	2	01438 3845	EQUIP. RENTAL -RESURFAC. TACK COAT	072216	08/10/16		08/10/16		1,736.00
										125,599.00
829	48290	1	01409 3740	MASTER'S TOUCH TWP. BLDG. - MAINT & REPAIRS EXTERM. SERV. JULY 2016 TWP & PW	27785	08/10/16		08/10/16		104.00
	48291	1	01454 3740	EQUIPMENT MAINT. & REPAIR EXTERM. SERV. JULY 2016 E.G.PARK	27905	08/10/16		08/10/16		84.00
	48292	1	01409 3840	DISTRICT COURT EXPENSES EXTERM. SERV. JULY 2016 DC & POL.	27784	08/10/16		08/10/16		58.00
										246.00
1641	48294	1	01430 2330	NAPA AUTO PARTS VEHICLE MAINT AND REPAIR PREVAL SPRAYER	2-670245	08/10/16		08/10/16		5.04
	48295	1	01430 2330	VEHICLE MAINT AND REPAIR INSPECTION BOOK & THE RIGHT STUFF	2-668660	08/10/16		08/10/16		89.46
	48296	1	01430 2330	VEHICLE MAINT AND REPAIR MINI LAMPS	2-669444	08/10/16		08/10/16		6.90
										101.40

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3470				NASK DOOR INC.						
	48297	1	01409 3745	PW BUILDING - MAINT REPAIRS REPLACE TORSION SPRING	25488	08/10/16		08/10/16		420.00
	48298	1	01409 3745	PW BUILDING - MAINT REPAIRS TWO RIGHT HAND TORSION SPRINGS	25533	08/10/16		08/10/16		648.00
										1,068.00
2966				OASIS FAMILY FUN CENTER, THE						
	48299	1	01452 2010	SUMMER PROGRAM FIELD TRIPS FUN CENTER ADMISSION FOR 62	071316	08/10/16		08/10/16		620.00
										620.00
1554				OFFICE DEPOT						
	48300	1	01401 2100	MATERIALS & SUPPLIES RECEIPT BOOK & ELEC. LABELER	849436699001	08/10/16		08/10/16		33.86
	48301	1	01401 2100	MATERIALS & SUPPLIES TYVEK ENVELOPES	849365101002	08/10/16		08/10/16		98.59
	48302	1	01401 2100	MATERIALS & SUPPLIES POST-IT NOTES & PENS	849365101001	08/10/16		08/10/16		33.55
	48303	1	01401 2100	MATERIALS & SUPPLIES COLORED COPY PAPER, TONER & CORRECT TAPE	850830798001	08/10/16		08/10/16		214.19
	48304	1	01401 2100	MATERIALS & SUPPLIES ADDRESS LABELS	85089340001	08/10/16		08/10/16		43.86
	48305	1	01401 2100	MATERIALS & SUPPLIES MARKERS	851101926001	08/10/16		08/10/16		5.49
	48306	1	01401 2100	MATERIALS & SUPPLIES POST-IT NOTE PDS, MARKERS, WITE-OUT & STAPLER	851101746001	08/10/16		08/10/16		36.69
	48307	1	01401 2100	MATERIALS & SUPPLIES PAPER CLIPS, STAPLES, PENS, POST-IT POP UPS & PAPER ROLL	852167282001	08/10/16		08/10/16		49.45
	48308	1	01401 2100	MATERIALS & SUPPLIES METERED AIRWICK REFILL	852167359001	08/10/16		08/10/16		13.58
	48309	1	01401 2100	MATERIALS & SUPPLIES JOURNAL	852462948001	08/10/16		08/10/16		9.99
	48310	1	01401 2100	MATERIALS & SUPPLIES CLASP ENVELOPES, NOTEBOOK & WIRELES MOUSE	852460169001	08/10/16		08/10/16		51.95
	48311	1	01401 2100	MATERIALS & SUPPLIES BATTERY BACKUP & WIRELESS MOUSE	853403152001	08/10/16		08/10/16		427.55
										1,018.75

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2952	48312	1	01452 3204	ONE STOP PARTY SHOP COMMUNITY DAY BAL. DUE - BOUNCE HOUSE, TRACKLESS TRAIN AND OTHER GAMES	020116-2	08/10/16		08/10/16		1,905.75
										1,905.75
1002	48313	1	01401 3000	PA MUNICIPAL LEAGUE GENERAL EXPENSE 2016 PELRAS MEMBERSHIP	39582	08/10/16		08/10/16		450.00
										450.00
2352	48315	1	01434 3610	PECO - 99193-01400 STREET LIGHTING	080116	08/10/16		08/10/16		783.27
	48315	2	01433 2470	99193-01400 6/24-7/26/16 UTILITIES - TRAFFIC LIGHTS 99193-01400 6/24-7/26/16	080116	08/10/16		08/10/16		668.97
										1,452.24
1555	48316	1	01409 3840	PECO - 45168-01609 DISTRICT COURT EXPENSES	072716	08/10/16		08/10/16		28.42
	48316	2	01409 3605	45168-01609 6/23-7/23/16 GAS PW BLDG - FUEL, LIGHT, SEWER & WATER 45168-01609 6/23-7/23/16 ELECTRIC	072716	08/10/16		08/10/16		690.23
										718.65
2592	48317	1	01454 3600	PECO - 45951-30004 UTILITIES 45951-30004 6/20-7/20/16 RESTROOMS	072216	08/10/16		08/10/16		48.73
										48.73
2591	48314	1	01454 3600	PECO - 59500-35010 UTILITIES 59500-35010 6/23-7/25/16 POND PUMP	072716	08/10/16		08/10/16		37.43
										37.43
1052	48318	1	01408 3131	PENNONI ASSOCIATES INC. ENGINEER. & MISC. RECHARGES SERVICE THRU 6/26/16 YARDLEY	071516	08/10/16		08/10/16		115.00
	48319	1	01408 3131	ENGINEER. & MISC. RECHARGES SERVICE THRU 6/26/16 GOSHEN MEADOWS	700200	08/10/16		08/10/16		283.75
	48320	1	01408 3131	ENGINEER. & MISC. RECHARGES SERVICE THRU 6/26/16 NEW KENT	700202	08/10/16		08/10/16		823.75
	48321	1	01408 3131	ENGINEER. & MISC. RECHARGES SERVICE THRU 6/26/16 942 CORNWALLIS	700204	08/10/16		08/10/16		620.00

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01	GENERAL FUND										
1052				PENNONI ASSOCIATES INC.							
	48322	1	01408 3131	ENGINEER.& MISC.RECHARGES SERVICE THRU 6/26/16 BRANDOLINI	700203	08/10/16		08/10/16		2,237.25	
	48323	1	01408 3131	ENGINEER.& MISC.RECHARGES SERV. THRU 6/26/16 MOSER-943 CORNWL	700205	08/10/16		08/10/16		520.00	
	48324	1	01408 3131	ENGINEER.& MISC.RECHARGES SERV. THRU 6/26/16 MOSER-957 CORNWL	700210	08/10/16		08/10/16		298.75	
	48325	1	01408 3131	ENGINEER.& MISC.RECHARGES SERV. THRU 6/26/16 139 DUTTON MILL	700212	08/10/16		08/10/16		107.50	
	48326	1	01408 3130	ENGINEERING SERVICES SERV. THRU 6/26/16 ANNUAL PaDEP DAM INSPECTIONS	700206	08/10/16		08/10/16		3,000.00	
	48327	1	01408 3130	ENGINEERING SERVICES SERV. THRU 6/26/16 GENERAL CONSULT.	700197	08/10/16		08/10/16		28.75	
	48328	1	01408 3130	ENGINEERING SERVICES SERV. THRU 6/26/16 TWN.BLDG. ROOF	700198	08/10/16		08/10/16		3,431.75	
	48329	1	01408 3130	ENGINEERING SERVICES SERV. THRU 6/26/16 FOREST LANE	700207	08/10/16		08/10/16		1,639.00	
										13,105.50	
1785				PENNSYLVANIA STATE POLICE							
	48330	1	01401 3000	GENERAL EXPENSE R16394210 BKGRND.CHECK WERKHEISER	070516	08/10/16		08/10/16		8.00	
	48330	2	01401 3000	GENERAL EXPENSE R16517204 BKGRND.CHECK LEWANDOWSKI	070516	08/10/16		08/10/16		8.00	
	48330	3	01401 3000	GENERAL EXPENSE R16517294 BKGRND.CHECK FIGUEIRA	070516	08/10/16		08/10/16		8.00	
										24.00	
1080				PIMER, COLLEEN M.							
	48331	1	01414 3100	COURT REPORTERS TRANSCRIPT - AMEND. CHAP.225 SECT. 225-55 6/21/16	071116	08/10/16		08/10/16		85.00	
										85.00	
2539				PRECISION MECHANICAL SERVICES							
	48332	1	01409 3740	TWP. BLDG. - MAINT & REPAIRS CHECK HEAT PUMPS FOR BURNING SMELL	SC-11409	08/10/16		08/10/16		204.00	
										204.00	

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1876				RANSOME RENTAL COMPANY LP						
	48333	1	01430 2330	VEHICLE MAINT AND REPAIR EDGES, BOLTS, NUTS & WASHERS	PC040027926	08/10/16		08/10/16		326.76
	48334	1	01438 3845	EQUIP. RENTAL -RESURFAC. HAMMER RENTAL 8/1/16	K19762-02	08/10/16		08/10/16		2,010.00
										2,336.76
3604				SUPERIOR PLUS ENERGY SERVICES						
	48336	1	01430 2320	VEHICLE OPERATION - FUEL 215 GALLONS GASOLINE	41726	08/10/16		08/10/16		347.03
	48337	1	01430 2320	VEHICLE OPERATION - FUEL 64.8 GALLONS GASOLINE	142675	08/10/16		08/10/16		106.71
										453.74
1280				TAYLOR, BRAD						
	48338	1	01437 2600	SHOP - TOOLS TORX DRIVER & BITS	07141632102	08/10/16		08/10/16		69.00
										69.00
2813				TELTHORSTER, RUBY						
	48339	1	01452 3711	PILATES EARLY SUMMER SESSION 2016 INSTRUCT.	071416	08/10/16		08/10/16		218.45
										218.45
2109				TRAFFIC SAFETY STORE, THE						
	48341	1	01438 2450	MATERIALS & SUPPLIES-HIGHWAYS ORANGE CONES & PEDESTRIAN CROSSING BARRICADE BASE	000252945	08/10/16		08/10/16		1,897.50
										1,897.50
2273				VERIZON - 0527						
	48342	1	01409 3605	PW BLDG - FUEL,LIGHT,SEWER & WATER JULY 14 - AUGUST 14, 2016	071516-0527	08/10/16		08/10/16		185.96
	48345	1	01409 3605	PW BLDG - FUEL,LIGHT,SEWER & WATER JUNE 21 - JULY 20, 2016 WIRELESS	9769000607	08/10/16		08/10/16		1,335.34
										1,521.30
2868				VERIZON-1420						
	48343	1	01409 3840	DISTRICT COURT EXPENSES JULY 16 - AUGUST 15, 2016	071616-1420	08/10/16		08/10/16		81.70
										81.70

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2516				WEST CHESTER UNIVERSITY						
	48350	1	01487 4600	TRAINING & SEMINARS-EMPLY FALL SESS.2016 B. MCCOOL #0593337	071916	08/10/16		08/10/16		1,581.86
										1,581.86

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05				SEWER OPERATING						
2918				ALS ENVIRONMENTAL						
48207	1	05422	4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 7/19-7/26	40-2082691	08/08/16		08/08/16		183.00
48208	1	05422	4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 6/25/16	40-2075346	08/08/16		08/08/16		18.00
48209	1	05422	4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 6/28-7/12/16	40-2077619	08/08/16		08/08/16		150.00
48210	1	05422	4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 7/5 - 7/21/16	40-2082048	08/08/16		08/08/16		309.00
										660.00
68				AMS APPLIED MICRO SYSTEMS LTD.						
48212	1	05429	3000	ADMIN.-GENERAL EXPENSE CASS CERTIFICATION - UTILITY	62433	08/08/16		08/08/16		65.00
										65.00
1658				AQUA PA						
48218	1	05420	3602	C.C. COLLECTION -UTILITIES 000300141 0300141 6/17-7/19/16 GH	072116 GH	08/08/16		08/08/16		16.00
48219	1	05420	3602	C.C. COLLECTION -UTILITIES 000363541 0357724 6/17-7/19/16 BK	072116 BK	08/08/16		08/08/16		23.00
48220	1	05420	3602	C.C. COLLECTION -UTILITIES 000309826 0309826 6/22-7/22/16 TH	0742616 TH	08/08/16		08/08/16		23.00
48221	1	05420	3602	C.C. COLLECTION -UTILITIES 000305003 0305003 6/23-7/25/16 WW	072716 WW	08/08/16		08/08/16		27.50
48222	1	05422	3601	R.C. COLLEC.-UTILITIES 001533998 1087842 6/22-7/22/16 TWN	072616 TWN	08/08/16		08/08/16		64.70
										154.20
151				BLOENSKI DISPOSAL CO, CHARLES						
48233	1	05422	4502	R.C. SLUDGE-LAND CHESTER SWITCH 20 YDS WITH LINER 7/25	7900 & 15034	08/09/16		08/09/16		181.00
48233	2	05422	4502	R.C. SLUDGE-LAND CHESTER SWITCH 20 YDS WITH LINER 8/1	7900 & 15034	08/09/16		08/09/16		181.00
48234	1	05422	4502	R.C. SLUDGE-LAND CHESTER SWITCH 20 YDS WITH LINER 7/18	7899	08/09/16		08/09/16		181.00
48235	1	05422	4502	R.C. SLUDGE-LAND CHESTER SWITCH 20 YDS WITH LINER 7/05	7897	08/09/16		08/09/16		181.00
48235	2	05422	4502	R.C. SLUDGE-LAND CHESTER SWITCH 20 YDS WITH LINER 7/11	7898	08/09/16		08/09/16		181.00
										905.00

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241				C.C. SOLID WASTE AUTHORITY						
	48239	2	05422 4502	R.C. SLUDGE-LAND CHESTER WEEK 7/25/16 - 7/29/16	44581	08/09/16		08/09/16		580.89
	48240	2	05422 4502	R.C. SLUDGE-LAND CHESTER WEEK 7/16/16 - 7/22/16	44514	08/09/16		08/09/16		610.37
	48241	2	05422 4502	R.C. SLUDGE-LAND CHESTER WEEK 7/08/16 - 7/14/16	44437	08/09/16		08/09/16		658.61
-----										1,849.87
2960				COMMONWEALTH OF PENNSYLVANIA						
	48248	1	05422 3700	R.C. STP-MAINT.& REPAIRS PERMIT# PA0050504 2016 CHAP.302 ANNUAL SERVICE FEE	982948	08/09/16		08/09/16		100.00
	48249	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. PERMIT# 547935 2016 CHAP.302 ANNUAL SERVICE FEE	983459	08/09/16		08/09/16		65.00
-----										165.00
1526				CUSTOM ENVIRONMENTAL TECHNOLOGY						
	48254	1	05422 2440	R.C. STP- CHEMICALS 2290 BINS ZETA LYTE	3476	08/09/16		08/09/16		4,179.60
-----										4,179.60
1747				EAST WHITELAND TOWNSHIP						
	48264	1	05429 4520	CONTR. SERV. MALVERN INSTITUTE 2ND QTR.2016 UTILITY PAYMENT	072916	08/09/16		08/09/16		2,027.20
-----										2,027.20
431				EJ USA INC. (EAST JORDAN)						
	48265	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. ADJUSTMENT RISERS	110160050054	08/09/16		08/09/16		6,385.68
	48266	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. MANHOLE COVERS	110160047177	08/09/16		08/09/16		11,253.55
-----										17,639.23
829				MASTER'S TOUCH						
	48293	1	05422 3700	R.C. STP-MAINT.& REPAIRS EXTERM. SERV. JULY 2016 RCSTP	27786	08/10/16		08/10/16		33.00
-----										33.00

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2975	48335	1	05422 3700	SOUTHLAND TOOL MFG. INC. R.C. STP-MAINT.& REPAIRS COUPLINGS & POLES	S-11651	08/10/16		08/10/16		90.00
										90.00
2914	48340	1	05422 4500	TOWLER, SCOTT A. R.C. STP-CONTRACTED SERV. SERVICES RE: RCSTP JULY 2016	16-070131-2	08/10/16		08/10/16		15,235.38
										15,235.38
3529	48344	1	05420 3601	VERIZON - MODEMS C.C. INTERCEPTOR-UTILITIES JUNE 26 - JULY 25, 2016 MODEMS	9769333151	08/10/16		08/10/16		80.10
										80.10
1464	48346	1	05420 3850	WEST GOSHEN TOWNSHIP C.C. WEST GOSHEN OPER/MAINT 2ND QTR.2016 OPERATIONS & MAINT.	072116	08/10/16		08/10/16		200,635.34
										200,635.34
1470	48347	1	05429 4510	WESTTOWN TOWNSHIP CONTR. SERV. CIDER KNOLL QTR.2 2016 SEWER - CIDER	071216-C	08/10/16		08/10/16		17,760.00
	48348	1	05429 4500	CONTR. SERV. SUMMIT HOUSE QTR.2 2016 SEWER - SUMMIT	071216-S	08/10/16		08/10/16		78,810.00
										96,570.00
3562	48349	1	05420 3700	WINDLES WATER WORKS INC. C.C. METERS-MAINT.& REPRS. 4 5 GALLON BOTTLE SPRING WATER	8217	08/10/16		08/10/16		50.00
										50.00

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06		REFUSE								
2762	48206	1	06427 4500	AJB A.J. BLOSENSKI INC. CONTRACTED SERV. RESIDENTIAL PICK-UP - AUGUST 2016	68196984	08/08/16		08/08/16		56,396.70
										56,396.70
68	48212	2	06427 3000	AMS APPLIED MICRO SYSTEMS LTD. GENERAL EXPENSE CASS CERTIFICATION - UTILITY	62433	08/08/16		08/08/16		65.00
										65.00
241	48239	1	06427 4502	C.C. SOLID WASTE AUTHORITY LANDFILL FEES WEEK 7/25/16 - 7/29/16	44581	08/09/16		08/09/16		4,591.81
	48240	1	06427 4502	LANDFILL FEES WEEK 7/16/16 - 7/22/16	44514	08/09/16		08/09/16		6,519.29
	48241	1	06427 4502	LANDFILL FEES WEEK 7/08/16 - 7/14/16	44437	08/09/16		08/09/16		5,615.19
										16,726.29
										664,495.15
										0 Printed, totaling 664,495.15

FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	250,968.24	GENERAL FUND
05	05	340,338.92	SEWER OPERATING
06	06	73,187.99	REFUSE
		664,495.15	

PERIOD SUMMARY

Period	Amount
1608	664,495.15
	664,495.15

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01		GENERAL FUND								
3140	48354	1	01438 2450	ACE DISPOSAL CORP MATERIALS & SUPPLIES-HIGHWAYS PORTABLE TOILETS 7/18 & 8/17/16	106125	08/11/16		08/11/16		140.00
										140.00
2898	48356	1	01454 3711	AQUASCAPES UNLIMITED POND TREATMENT POND SERVICE 7/15/16 PIN OAK, MARY DELL & BOW TREE	1584	08/11/16		08/11/16		1,292.13
										1,292.13
2360	48357	1	01438 2455	AQUILANTE CONCRETE MATER. & SUPPLY-RESURFAC. 5.5 CYDS CONCRETE - CHRISTINE LANE	40909	08/11/16		08/11/16		787.05
										787.05
3722	48355	1	01367 3719	BIONDI, MELISSA ROCKETRY SUMMER CAMP REFUND-UNABLE TO ATTEND ROCKET CAMP	080816	08/11/16		08/11/16		150.00
										150.00
317	48358	1	01430 2600	CONTRACTOR'S CHOICE MINOR EQUIP. PURCHASE RING SAW	00203216	08/11/16		08/11/16		3,562.13
										3,562.13
627	48360	1	01438 2455	HIGHWAY MATERIALS INC. MATER. & SUPPLY-RESURFAC. 156.73 TONS 25C .3<3 CHRISTINE LN	1640679MB	08/11/16		08/11/16		6,253.54
	48361	1	01438 2455	MATER. & SUPPLY-RESURFAC. 209.92 TONS 9.5H .3<3 CHRISTINE	11044617MB	08/11/16		08/11/16		9,161.13
	48362	1	01438 2455	MATER. & SUPPLY-RESURFAC. 296.01 TONS 9.5H .3<3 PHEASANT	16407337MB	08/11/16		08/11/16		12,980.04
	48362	2	01438 2455	MATER. & SUPPLY-RESURFAC. 4.5 TONS 19B .3<3 PHEASANT	16407337MB	08/11/16		08/11/16		191.93
	48362	3	01438 2455	MATER. & SUPPLY-RESURFAC. 80.04 TONS 25C .3<3 PHEASANT	16407337MB	08/11/16		08/11/16		3,193.60
	48363	1	01438 2455	MATER. & SUPPLY-RESURFAC. 129.97 TONS 25C .3<3 MEADOWBROOK	1640767MB	08/11/16		08/11/16		5,185.81
	48363	2	01438 2455	MATER. & SUPPLY-RESURFAC. 431.99 TONS 9.5H .3<3 CHRISTINE	1640767MB	08/11/16		08/11/16		18,942.76
	48364	1	01438 2455	MATER. & SUPPLY-RESURFAC. 1.10 TONS 9.5H .3<3 HERSHEY MILL	1640662MB	08/11/16		08/11/16		48.24

Report Date 08/11/16

Expenditures Register
GL-1608-54103

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MARP05 run by BARBARA

5 : 38 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01		GENERAL FUND								
627				HIGHWAY MATERIALS INC.						
48364	2	01438	2455	MATER. & SUPPLY-RESURFAC. 176.84 TONS 25C .3<3 HERSHEY MILL	1640662MB	08/11/16		08/11/16		7,055.92
48365	1	01438	2455	MATER. & SUPPLY-RESURFAC. 122.05 TONS 25C .3<3 HERSHEY MILL & PHEASANT	1640646MB	08/11/16		08/11/16		4,869.80
48366	1	01438	2455	MATER. & SUPPLY-RESURFAC. 413.00 TONS 9.5H .3<3 CHRISTINE	1640722MB	08/11/16		08/11/16		18,110.03
48367	1	01438	2455	MATER. & SUPPLY-RESURFAC. 287.95 TONS 9.5H .3<3 WYLLPEN	1640702MB	08/11/16		08/11/16		12,626.61
48367	2	01438	2455	MATER. & SUPPLY-RESURFAC. 114.82 TONS 25C .3<3 CHRISTINE	1640702MB	08/11/16		08/11/16		4,581.33
48368	1	01438	2455	MATER. & SUPPLY-RESURFAC. 30.06 TONS 25C .3<3	11044602MB	08/11/16		08/11/16		1,199.40
										104,400.14
3551				MCMAHON ASSOCIATES INC.						
48369	1	01414	3050	ZONING CONSULTANTS SERVICES RE: PAOLI PK TRAIL GRANT ASSISTANCE JUNE 2016	149477	08/11/16		08/11/16		1,160.00
										1,160.00
2986				PENNBC REGION 1						
48370	1	01487	4600	TRAINING & SEMINARS-EMPLY SEMINAR - GARY & VINNIE	081016	08/11/16		08/11/16		50.00
										50.00
1087				PIPE XPRESS INC.						
48371	1	01438	2450	MATERIALS & SUPPLIES-HIGHWAYS PINK MARKING PAINT	80776	08/11/16		08/11/16		105.84
										105.84
1876				RANSOME RENTAL COMPANY LP						
48372	1	01438	3845	EQUIP. RENTAL -RESURFAC. TRACK LOADER & PLANER RENTAL 7/5- 8/2/16	K19441-02	08/11/16		08/11/16		7,885.00
										7,885.00

Report Date 08/11/16

Expenditures Register
GL-1608-54103

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MARP05 run by BARBARA

5 : 38 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
1783				STATE WORKERS INSURANCE FUND						
	48374	1	01411 6000	VOLUNTEER FIREFIGHTER WORKERS COMP INSTALLMT 9 OF 11 POL.#05918452	080116	08/11/16		08/11/16		3,831.00
										3,831.00
2829				VERIZON - TWP.FIOS 0001-74						
	48375	1	01401 3210	COMMUNICATION EXPENSE 7/28/16 - 8/27/16 FIOS-TWP	0001-74 72716	08/11/16		08/11/16		89.99
										89.99

Report Date 08/11/16

Expenditures Register
GL-1608-54103

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MARP05 run by BARBARA 5 : 38 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
05				SEWER OPERATING						
563				GRAINGER						
48359	1	05422	3700	R.C. STP-MAINT. & REPAIRS PORTABLE AIR CONDITIONER	9170511027	08/11/16		08/11/16		696.60
										696.60
2773				VERIZON - PW FIOS 0001-15						
48376	1	05422	3601	R.C. COLLEC.-UTILITIES 7/28/16 - 8/27/16 FIOS-PW	0001-15 72716	08/11/16		08/11/16		89.99
										89.99
										124,239.87
0 Printed, totaling										124,239.87

FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	123,453.28	GENERAL FUND
05	05	786.59	SEWER OPERATING
		124,239.87	

PERIOD SUMMARY

Period	Amount
1608	124,239.87
	124,239.87

Report Date 08/11/16

Expenditures Register
GL-1608-54104

PAGE 1

MARP05 run by BARBARA 5 : 50 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
09				Sewer Capital Reserve Fund						
2128				JWC ENVIRONMENTAL						
48377	1	09409	7400	MACHINERY/EQUIPMENT - REPLACEMENT	81863	08/11/16	08/11/16	08/11/16	910 p	21,151.00
				MUFFIN MONSTER						
										21,151.00
										21,151.00
										1 Prepays, totaling 21,151.00
										0 Printed, totaling 0.00

FUND SUMMARY

Fund	Bank Account	Amount	Description
09	09	21,151.00	Sewer Capital Reserve Fund
		21,151.00	

PERIOD SUMMARY

Period	Amount
1608	21,151.00
	21,151.00

Memo
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

Date: August 10, 2016
To: Board of Supervisors
From: Rick Smith, Township Manager
Re: Sunoco Remediation Report

We received the Remedial Action Progress Report for the Second Quarter of 2016 from Sunoco and 1 of the monitoring wells has a MTBE reading above the State Limit (20 ug/l). This well is located on the Sunoco property.

The executive summary is attached and a complete copy of the report is available for review at the Township Building.

F:\Data\Shared Data\Property Management\53-4\53-4-2 (1431 Paoli Pike)\Sunoco\Memo to BOS 081016.doc

Remedial Action Progress Report
Second Quarter 2016
Sunoco Station # 0004-7969
1425 Paoli Pike
West Chester, PA

GENERAL INFORMATION

Sunoco Remediation Associate:	Bill Brochu
Consultant:	Environmental Alliance, Inc. (Alliance) 5341 Limestone Road Wilmington, DE 19808
Alliance Program Manager:	Joe Rossi
Alliance Project Manager:	Chris Thoeny
PADEP Case Manager:	Lauren Mapleton – PADEP Southeast Regional Office
PADEP Facility ID#:	15-20353
County:	Chester
Municipality:	East Goshen Township

SITE OVERVIEW

- ◆ The site is an active retail gasoline station and A-Plus convenience store.

SITE HISTORY

- ◆ In July of 1989, Sunoco retained Groundwater and Environmental Services, Inc. (GES) to conduct a hydrogeologic investigation upon the acquisition of the Site. GES installed 4 monitoring wells, collected soil samples, and completed an initial groundwater sampling event. Analytical results indicated the presence of total BTEX and total petroleum hydrocarbons (TPH) in the two samples that were located nearest the underground storage tank (UST) field.
- ◆ In the fall of 1989, Sunoco upgraded the UST system onsite. Upgrade activities included: the removal of four 4,000 gallon steel USTs which were replaced with three 10,000 gallon fiberglass USTs and the removal of two 550 gallon heating and waste oil tanks that were replaced with two 275 gallon aboveground storage tanks (ASTs).
- ◆ In December 1992 and January 1993, Sunoco completed service station upgrades, which included the abandonment of the on-site water supply well.
- ◆ In January 1995, the Pennsylvania Department of Environmental Resources (PADEP) issued a letter in which no further investigative activities were deemed necessary. Subsequently, all monitoring wells were abandoned by B. L. Myers on January 27, 1995.
- ◆ In October 2006, Sunoco upgraded the dispensers and product piping at the Site. During upgrade activities contamination was detected beneath one of the dispensers and was confirmed through a grab soil sample. Benzene was detected above Pennsylvania Department of Environmental Protection (PADEP) statewide health standard (SHS) and a notice of release (NOR) was submitted to the PADEP by Alliance on October 16, 2006.

- ◆ On January 17th and 18th, 2007, Alliance conducted soil borings and the installation of four monitoring wells. The monitoring wells were sampled on February 6th and April 25th, 2007.
- ◆ In August 2007, Alliance submitted a Site Characterization Report (SCR) to the PADEP. The SCR was disapproved based on further site characterization being needed.
- ◆ On September 19th and 20th, 2007, Alliance installed an additional four monitoring wells to help further delineate any potential migration of contaminants of concern.
- ◆ In accordance with a letter from the PADEP dated March 3, 2008, Alliance conducted an extensive well search, in which no drinking wells were identified between the Site and the closest down-gradient sensitive receptor, Ridley Creek.
- ◆ On September 3, 2008, Alliance installed two offsite monitoring wells and one onsite monitoring well. The offsite wells (MW-9 and MW-10) were installed for further horizontal delineation of potential contaminants of concern. The onsite well (MW-7B) was installed for vertical delineation of potential contaminants of concern.
- ◆ In December 2008, a slug test was performed on monitoring well MW-7B to calculate the hydraulic conductivity of the bedrock aquifer beneath the site.
- ◆ On May 27th and 28th, 2009 Alliance installed additional overburden and shallow bedrock wells at off site (MW-9 and 9B, MW-10 and 10B, and MW-11 and MW-11B) and onsite locations (MW-2B and MW-8B).
- ◆ On November 3rd through 5th, 2009 Alliance installed additional monitoring wells onsite (MW-12, MW-12B and MW-5B) and off site (MW-13 and 13B and MW-14 and 14B).
- ◆ On November 9, 2009, Alliance submitted a Status Report for Site Characterization to the PADEP.
- ◆ On February 1, 2010, Alliance submitted a Site Characterization Report (SCR) to the PADEP selecting the Site Specific Standard (SSS) as the clean up standard for the site. The SCR was approved by the PADEP in a letter dated April 21, 2010.
- ◆ On June 10, 2010, Alliance submitted a Remedial Action Plan (RAP) to the PADEP in which a groundwater pump and treat remediation system was selected as the remedial strategy for the site. The RAP was approved by the PADEP in a letter dated July 21, 2010.
- ◆ Start up/shake down procedures for the groundwater remediation system were initiated on June 15, 2010. The permanent operation date for the groundwater remediation system was June 28, 2010.
- ◆ Routine Operation and Maintenance (O&M) of the remediation system was initiated following permanent operation.
- ◆ On August 28, 2012, Alliance submitted a request to PADEP by e-mail on behalf of Sunoco, to modify the groundwater sampling plan during active remediation to a reduced list of wells. PADEP agreed to a reduced groundwater sampling plan per an August 28, 2012 e-mail. The following wells were removed from the quarterly groundwater sampling scope MW-2 & 2B; MW-5 & 5B; MW-9 & 9B; MW-10 & 10B; MW-13 & 13B. The wells were left in place, secured with a water tight manhole and locking well plug.

- ◆ A Notice of Intent (NOI) was submitted to PADEP on September 6, 2012, for renewal of the NPDES Permit, to continue operation of the remediation system. Coverage under the statewide permit was extended in a letter from PADEP dated October 24, 2012.
- ◆ On September 27 2012, Alliance installed a regenerative air blower at the Site to aid in sub-surface remediation. The blower was installed in the remediation shed, and tied into piping runs connected to MW-7B. The purpose of the blower was to provide additional hydraulic influence at well MW-7B and possibly extract hydrocarbon vapors from the de-watered bedrock surrounding MW-7B. All extracted vapors were passed through activated vapor-phase granular carbon prior to discharge to the atmosphere.
- ◆ Per the November 26, 2013 letter submitted to PADEP (Notification of Suspension of Remedial Actions), the remediation system was temporarily shutdown on December 31, 2013. Per the notification, the system would remain off for at least one quarter while the aquifer response is evaluated.
- ◆ The remediation system was restarted on April 18, 2014.
- ◆ On December 31, 2014, the remediation system was shut down indefinitely to further evaluate baseline MTBE concentrations and trends at the Site.
- ◆ On March 29, 2016, monitoring wells, MW-5, MW-6, MW-9 and MW-9B were abandoned by a Pennsylvania licensed well driller (Eichelberger's Inc.). These wells were abandoned based on a potential conflict with the proposed installation of a Sunoco pipeline along East Boot Road. Abandonment was approved by PADEP via email correspondence dated March 15, 2016.

SITE INFORMATION

Well Specifications:	Eleven 2-inch diameter overburden monitoring wells (MW-1 through MW-4, MW-7, MW-8, MW-10 through MW-14); Seven 2-inch diameter shallow bedrock wells (MW-2B, MW-5B, MW-10B, MW-11B, MW-12B, MW-13B, & MW-14B); Two 6-inch diameter deep wells (MW-7B, & MW-8B).
Geology:	Soils consist of greenish gray and orange clay and micaceous silt underlain by Precambrian age, medium grained felsic gneiss. Depth to bedrock reported during drilling ranged from 20-feet (MW-14B) to 48-feet (MW-8B). Bedrock is gradationally overlain by a thick mantle of saprolite identified in most borings.
Groundwater Elevation:	Overburden: 83.36 feet (MW-12) to 75.53 feet (MW-14). Shallow Bedrock: 83.38 feet (MW-12B) to 75.52 feet (MW-14B)
Hydraulic Gradient:	Shallow: 0.013 feet per foot to the northeast Deep: 0.014 feet per foot to the northeast
Hydraulic Conductivity:	4.75 feet per day (shallow); 1.75 feet per day (deep).
Groundwater Sampling Frequency:	Quarterly.

Analytical Method: Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl tertiary-butyl ether (MTBE), Isopropylbenzene, Naphthalene via Environmental Protection Agency (EPA) Method 8260B.

Soil Quality: Soil quality data from October 2006 dispenser sampling indicated Benzene above SHS at sample *Disp/Line 2*. Soil quality data from well installation in January 2007, indicated MTBE above SHS at MW-3 (11-12 feet).

Separate-Phase Hydrocarbons: Separate-phase hydrocarbons (SPH) have never been detected in the site monitoring wells.

RISK ASSESSMENT

Potentially Sensitive Receptors: There are 34 known wells identified by the Environmental Data Resources, Inc. radius report (utilizing the Federal and Pennsylvania well databases) within a 0.5-mile radius. The East Branch of Ridley Creek lies approximately 900 feet northeast of the site.

Closest Known Well: One Federal Public Supply well was identified within a one-half mile radius to the east of the site.

Municipal Water Supply: Aqua Pennsylvania, Inc.

SITE ACTIVITIES THIS REPORTING PERIOD

- ◆ A groundwater sampling event was completed on April 4, 2016 and included collection of liquid-level data from all onsite and off-site wells and collection of groundwater quality samples from MW-1, MW-3, MW-4, MW-7, MW-7B, MW-11, MW-11B, MW-12, MW-12B, MW-14, and MW-14B (per reduced scope).
- ◆ Maps depicting groundwater elevation and analytical data for the shallow (overburden) and deep (shallow bedrock) monitoring wells are included as Figures 1 and 2, respectively. Historical groundwater elevation and analytical data are summarized in Table 1. A copy of the laboratory results is included in Appendix A. Graphs showing the concentration history of MTBE at select monitoring wells are presented in Appendix B.
- ◆ The remediation system remained off for the second quarter 2016. Therefore, no discharge monitoring reports were submitted in April, May, and June 2016 in accordance with the National Pollutant Discharge Elimination System (NPDES) Permit for the Site.

REMEDIATION SYSTEM INFORMATION

- ◆ Type of System: Vacuum Enhanced Groundwater Extraction (VEGE).
- ◆ Permanent Operation Dates:
 - Groundwater: June 28, 2010 to December 31, 2013; April 18, 2014 to December 31, 2014.
 - SVE: September 27, 2012 to December 23, 2012; March 19, 2013 to December 31, 2013; May 22, 2014 to December 31, 2014.
- ◆ Extraction Points: MW-1, MW-2, and MW-7B.

- ◆ Extraction Points Utilized: MW-7B.
- ◆ Recovery Equipment: Grundfos ES-7 Electric Submersible Pump & Gast R4 SVE blower.
- ◆ Liquid-Phase Treatment Equipment: GeoTech Lo-Profile Air Stripper, (2) 200 lb. liquid granular activated carbon (LGAC) vessels.
- ◆ Vapor-Phase Treatment Equipment: vapor-phase granular activated carbon.
- ◆ Groundwater Discharge Location: Storm Sewer.
- ◆ Approximate gallons pumped and treated this Reporting Period: 0
- ◆ Average Groundwater Recovery Rate this Reporting Period: 0 GPM.
- ◆ Total Groundwater Recovered through December 31, 2014: 3,665,497 gallons.
 - Totalizer replaced 04/18/14 at 1,363,333 gallons.
- ◆ Total Dissolved-Phase MTBE Recovered through December 31, 2014: 128.19 pounds.

FUTURE SITE ACTIVITIES

- ◆ Quarterly groundwater monitoring and sampling will continue using the August 28, 2012 revised sampling plan. The next sampling event is scheduled for July 2016.
- ◆ Operation of the remediation system has been suspended as of December 31, 2014 to evaluate non-pumping aquifer conditions.
- ◆ Based on the suspension of operation of the remediation system monthly no Discharge Monitoring Reports (DMR) will be submitted this period.

ATTACHMENTS

- Figure 1 Groundwater Analytical and Gradient Map - Overburden (Shallow) Wells April 4, 2016
- Figure 2 Groundwater Analytical and Gradient Map - Shallow Bedrock (Deep) Wells April 4, 2016
- Table 1 Groundwater Elevation Data and Analytical Summary
- Appendix A Groundwater Sampling Laboratory Analytical Reports
- Appendix B Groundwater Concentration Graphs



RAYMOND H. HALVORSEN, *Chairman*
EDWARD G. MEAKIM, JR., *Vice-Chairman*
PHILIP J. CORVO, JR., *Member*
CHRISTOPHER PIELLI, ESQ., *Member*
HUGH J. PURNELL, JR., *Member*

Wastewater Treatment Plant

CASEY LALONDE, *Township Manager*

848 S. Concord Rd.
West Chester, PA 19382
610-696-0900
Fax: 610-429-9360

July 12, 2016

Board of Supervisors
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

JUL 28 2016

Dear Board of Supervisors:

Please find enclosed a copy of the West Goshen Sewer and Sewer Reserve Fund Financial Statements for the period ending December 31, 2015.

If you should have any questions or concerns please feel free to contact me.

Sincerely,

Michael Moffa
Wastewater Superintendent

enclosure



**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
FINANCIAL STATEMENTS
DECEMBER 31, 2015**

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

DECEMBER 31, 2015

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INDEPENDENT AUDITOR'S REPORT

T 302.478.8940
F 302.468.4001
www.btcpa.com

June 22, 2016

Board of Supervisors
West Goshen Township
West Chester, Pennsylvania

Report on the Financial Statements

We have audited the accompanying financial statements of the Sewer and Sewer Reserve Funds of West Goshen Township, West Chester, Pennsylvania, as of and for the year ended December 31, 2015, and the related notes to the financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Board of Supervisors
West Goshen Township

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Sewer and Sewer Reserve Funds of West Goshen Township, West Chester, Pennsylvania as of December 31, 2015, and the changes in its financial position and cash flows thereof for the year then ended in conformity with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Management has omitted the management's discussion and analysis and additional information related to the sewer pension and other post-employment benefits that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Such missing information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. Our opinion on the basic financial statements is not affected by this missing information.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Sewer and Sewer Reserve Funds of West Goshen Township's basic financial statements as a whole. The supplementary schedules listed in the table of contents are presented for purposes of additional analysis and are not a required part of the basic financial statements of the Sewer and Sewer Reserve Funds of West Goshen Township. The supplementary schedules are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the basic financial statements as a whole.

Emphasis of Matter

As discussed in Note 1 and Note 11 to the financial statements, the Township has adopted the requirements of GASB Statement No. 68, "Accounting and Financial Reporting for Pensions," and GASB Statement No. 71, "Pension Transition for Contributions Made Subsequent to the Measurement Date - An Amendment of GASB Statement No. 68." These statements modify the accounting for the Township's pension. Our opinion is not modified with respect to this matter.

As discussed in Note 1, the financial statements present only the Sewer and Sewer Reserve Funds and are not intended to present fairly the financial position and results of operations of West Goshen Township, West Chester, Pennsylvania, in conformity with accounting principles generally accepted in the United States of America.

Barbacane, Thornton & Company LLP
BARBACANE, THORNTON & COMPANY LLP

**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
STATEMENT OF NET POSITION
DECEMBER 31, 2015**

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES

CURRENT ASSETS:

Cash and cash equivalents	\$ 3,310,692
Investments	327,375
Investments, restricted	1,457,524
Accounts receivable	1,228,865
Total Current Assets	6,324,456

NONCURRENT ASSETS:

Capital assets, net	430,450
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TOTAL ASSETS	6,754,906
--------------	-----------

DEFERRED OUTFLOWS OF RESOURCES:

Deferred pension	331,941
------------------	---------

TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES	\$ 7,086,847
---	--------------

LIABILITIES AND NET POSITION

CURRENT LIABILITIES:

Accounts payable	\$ 113,255
Accrued compensated absences	16,809
Total Current Liabilities	130,064

NONCURRENT LIABILITIES:

Accrued compensated absences	223,320
Other post-employment benefit obligation	261,001
Net pension liability	315,919
Total Noncurrent Liabilities	800,240

TOTAL LIABILITIES	930,304
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NET POSITION

Net investment in capital assets	430,450
Restricted	1,457,524
Unrestricted	4,268,569
TOTAL NET POSITION	6,156,543

TOTAL LIABILITIES AND NET POSITION	\$ 7,086,847
------------------------------------	--------------

The accompanying notes are an integral part of these financial statements.

**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION
FOR THE YEAR ENDED DECEMBER 31, 2015**

OPERATING REVENUES:	
Sewer rental, including penalties and interest	\$ 4,579,148
Sewer connection fees	3,800
Dumping fees	17,515
State shared revenues	77,485
Miscellaneous revenue	45,763
TOTAL OPERATING REVENUES	<u>4,723,711</u>
OPERATING EXPENSES:	
Administrative expenses	785,212
Treatment plant expenses	2,538,517
Collection system expenses	723,469
Depreciation expense	76,103
Minor capital additions	44,545
TOTAL OPERATING EXPENSES	<u>4,167,846</u>
OPERATING INCOME BEFORE LEASE RENTAL PAYMENTS	555,865
Lease rental payments - West Goshen Sewer Authority	<u>(422,007)</u>
OPERATING INCOME	<u>133,858</u>
NONOPERATING REVENUES:	
Interest income	8,626
TOTAL NONOPERATING REVENUES	<u>8,626</u>
INCOME BEFORE TRANSFERS	142,484
Transfer to West Goshen Sewer Authority	<u>(33,589)</u>
CHANGE IN NET POSITION	108,895
NET POSITION, JANUARY 1, 2015, RESTATED	<u>6,047,648</u>
NET POSITION , DECEMBER 31, 2015	<u><u>\$ 6,156,543</u></u>

The accompanying notes are an integral part of these financial statements.

**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED DECEMBER 31, 2015**

CASH FLOWS FROM OPERATING ACTIVITIES:	
Receipts from customers and users	\$ 4,832,175
Payments to suppliers	(2,001,343)
Payments to West Goshen Sewer Authority	(422,007)
Payments for employee salaries, employer taxes, and benefits	(1,936,688)
NET CASH PROVIDED BY OPERATING ACTIVITIES	<u>472,137</u>
 CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:	
Transfer to West Goshen Sewer Authority	<u>(33,589)</u>
NET CASH USED BY CAPITAL AND RELATED FINANCING ACTIVITIES	<u>(33,589)</u>
 CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:	
Cash paid for the acquisition of capital assets	(40,788)
Cash received from disposal of capital assets	139,958
Gain on sale of capital assets	(25,102)
NET CASH PROVIDED BY CAPITAL AND RELATED FINANCING ACTIVITIES	<u>74,068</u>
 CASH FLOWS FROM INVESTING ACTIVITIES:	
Investment earnings	8,626
Purchase of investments	<u>(2,676)</u>
NET CASH PROVIDED BY INVESTING ACTIVITIES	<u>5,950</u>
 NET INCREASE IN CASH AND CASH EQUIVALENTS	 518,566
 CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	 <u>2,792,126</u>
 CASH AND CASH EQUIVALENTS, END OF YEAR	 <u>\$ 3,310,692</u>
 RECONCILIATION OF OPERATING INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES:	
Operating income	\$ 133,858
Adjustments to reconcile operating income to net cash provided by operating activities:	
Depreciation	76,103
Changes in assets, deferred outflows of resources and liabilities:	
Decrease in accounts receivable	108,464
Decrease in net pension asset	39,509
Increase in deferred outflows of resources - pension	(331,941)
Increase in accounts payable	57,949
Increase in other post-employment obligations	71,017
Increase in compensated absences	1,259
Increase in net pension liability	315,919
NET CASH PROVIDED BY OPERATING ACTIVITIES	<u>\$ 472,137</u>

The accompanying notes are an integral part of these financial statements.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Entity Description

The Sewer and Sewer Reserve Funds are proprietary funds of the West Goshen Township reporting entity.

The Sewer Fund's primary purpose is to assess, bill, and collect sewer user fees from residents and commercial entities at the rates authorized by the Township Board of Supervisors. The revenue generated is used to operate the collection and treatment plants situated in the Township and to remit semi-annual operating lease payments to the West Goshen Sewer Authority (the "Authority"). The Authority continues to construct expansions on the Sewer System and pay all debt service related to the Sewer System. All leased sewer system assets, the related provision for depreciation, and the related lease obligation are reflected on the Authority's financial statements and not on the financial statements of the Sewer and Sewer Reserve Funds.

The Sewer Reserve Fund accounts for assets set aside for an operating reserve account as specified in the lease agreement dated August 1, 1985 between the Township and the Sewer Authority.

Basis of Accounting

The financial statements of the Sewer and Sewer Reserve Funds are accounted for on the accrual basis of accounting. With this measurement focus, all assets and deferred outflows of resources, and all liabilities and deferred inflows of resources associated with the operation of these funds are included on the statement of net position. Revenues are recorded when earned, and expenses are recorded at the time liabilities are incurred. Net position is segregated into net investment in capital assets, restricted net position, and unrestricted net position.

The components of net position are as follows:

- **Net investment in capital assets** – This component of net position consists of capital assets, net of accumulated depreciation.
- **Restricted net position** – Restricted net position is comprised of assets, net of related liabilities, that are required to be set aside by the lease agreement to fund operations, maintenance, and repairs to the sewer system for a period of three months.
- **Unrestricted net position** – This component of net position consists of net position that does not meet the definition of "restricted" or "net investment in capital assets."

When both restricted and unrestricted resources are available for use, it is the Sewer and Sewer Reserve Funds' policy to use restricted resources first and then unrestricted resources as they are needed.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (cont'd)

Cash and Cash Equivalents

The Sewer and Sewer Reserve Funds consider all investments with an original maturity of three months or less to be cash equivalents.

Use of Estimates in the Preparation of Financial Statements

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect amounts reported in the financial statements during the reporting period. Actual results could differ from those estimates.

Investments

Investments consist of money market mutual funds and are recorded at fair value.

Capital Assets

Capital assets, which include vehicles and equipment, are reported in the Sewer Fund. Capital assets are defined by the Sewer and Sewer Reserve Funds as assets with an initial individual cost of more than \$5,000 and an estimated useful life in excess of one year. Such assets are recorded at historical cost if purchased or constructed.

Donated assets are valued at their estimated fair value on the date donated. Depreciation of all exhaustible capital assets is charged as an expense against operations. Depreciation is computed using the straight-line method over estimated asset lives as follows:

Vehicles	5 - 10 years
Equipment	5 - 30 years

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend assets' lives are not capitalized.

Compensated Absences

Full-time employees are granted vacation benefits in varying amounts to specified maximums. Sick leave accrues to full-time, permanent employees and can be carried over from year to year. After 20 years of service, employees who retire are entitled to 20 percent of their accrued sick leave. The current portion of compensated absences is estimated based on historical trends.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (cont'd)

Deferred Inflows and Deferred Outflows of Resources

In addition to assets and liabilities, the statement of net position will sometimes report separate sections for deferred inflows and deferred outflows of resources. These separate financial statement elements represent acquisition or use of net position that applies to a future period(s) and so will not be recognized as an inflow or outflow of resources (revenue or expense) until that time.

The Sewer and Sewer Reserve Funds currently have one item that qualifies for reporting in this category. Certain changes to the net pension liability are required to be amortized over a period of years; the unamortized portions of these changes are reflected as deferred outflows resources on the statement of net position

Implementation of GASB Statements

During the year ended December 31, 2015, the Sewer and Sewer Reserve Funds implemented GASB Statement No. 68, "Accounting and Financial Reporting for Pensions," and GASB Statement No. 71, "Pension Transition for Contributions Made Subsequent to the Measurement Date." GASB Statement No. 68 replaces the requirements of GASB Statement No. 27, with the objective of improving the accounting and financial reporting of state and local governments for pensions. It requires that state and local governments recognize and record the actuarially determined net pension liability in the entity's financial statements.

GASB Statement No. 71 amends GASB Statement No. 68 and addresses an issue regarding application of the transition provisions in the year of implementation. It requires that in the year of implementation, the state or local government recognize a beginning deferred outflow of contributions for its pension contributions made after the date of measurement.

NOTE 2 SEWER FUND LEASE

The Sewer System was constructed and subsequently expanded with funds obtained from the proceeds of long-term borrowings by the West Goshen Sewer Authority. Debt service on the long-term debt is payable from lease rentals receivable from the West Goshen Township Sewer Fund.

In August 1985, Sewer Revenue Bonds, Series of 1961 and Sewer Revenue Bonds, Series of 1978 issued by the Authority (collectively, the Prior Bonds) were refunded by issue of \$2,585,000 West Goshen Sewer Authority Sewer Revenue Bonds, Series of 1985.

In 1986, the Authority, at the direction of the Township, undertook a capital project consisting of an interceptor, pump station force main, and various other improvements to provide sanitary sewers to the unsewered portions of northern West Goshen Township and the construction of improvements to the Authority's treatment plant.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 2 SEWER FUND LEASE (cont'd)

To finance the project, the Authority issued \$6,900,000 Sewer Revenue Bonds, Series of 1986 dated as of August 1, 1986.

In April 1991, Sewer Revenue Bonds, Series of 1985 and Sewer Revenue Bonds, Series of 1986 issued by the Authority were advance refunded by issue of \$7,125,000 West Goshen Sewer Authority Sewer Revenue Bonds, Series of 1991. In October 1995, Sewer Revenue Bonds, Series of 1991 issued by the Authority were advance refunded by issue of \$7,485,000 West Goshen Sewer Revenue Bonds, Series of 1995. In September 2003, Sewer Revenue Bonds, Series of 1995 issued by the Authority, were refunded by issue of \$5,500,000 West Goshen Sewer Authority Guaranteed Sewer Revenue Bonds, Series of 2003. In December 2010, the Authority paid off from available funds the remaining balance of the West Goshen Sewer Authority Guaranteed Sewer Revenue Bonds, Series of 2003.

In 1998, the Authority undertook a project to expand and upgrade its sewer treatment plant through the issuance of its \$6,000,000 Note, Series of 1998.

The lease agreement dated August 1, 1985 and supplemental lease agreements (First Supplemental Lease dated August 1, 1986; Second Supplemental Lease dated December 15, 1986; Third Supplemental Lease dated April 15, 1991; Fourth Supplemental Lease dated October 15, 1995; Fifth Supplemental Lease dated July 21, 1998; Sixth Supplemental Lease dated September 1, 2003; and Seventh Supplemental Lease dated July 6, 2011) between the West Goshen Sewer Authority and West Goshen Township provide for the Township to operate and maintain the Sewer System. The lease expires in 2018 unless the debt of the Authority is retired earlier. The lease agreements provide for maximum rental payments to the Authority in respect of the 1998 Note as follows:

<u>Lease Rental Payment</u>	<u>Maximum Sewer Lease Rentals (100% Debt Service)</u>
2016	\$ 443,916
2017	\$ 460,840
2018	\$ 478,562

Reduction of rentals due to reduction of debt service – To the extent the 1998 Note is redeemed from amounts paid as one-time tapping or connection fees by customers of the Sewer System or from other funds, the regular rentals payable under the lease may be reduced by amounts corresponding to the reduction in the debt service.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 3 DEPOSITS AND INVESTMENTS

Deposits

Custodial Credit Risk

Custodial credit risk is the risk that in the event of a bank failure, the government's deposits may not be returned. The Sewer and Sewer Reserve Funds are required by statute to deposit funds in depositories that are either banks, banking institutions, or trust companies located in the Commonwealth of Pennsylvania. To the extent that such deposits exceed federal insurance, the depositories must pledge as collateral obligations of the United States, the Commonwealth of Pennsylvania, or any political subdivision of the Commonwealth. Under Act 72 of 1971, as amended, the depositories may meet this collateralization requirement by pooling appropriate securities to cover all public funds on deposit. At December 31, 2015, the carrying amount of the Sewer and Sewer Reserve Funds' deposits was \$3,310,692, and the bank balance was \$3,403,232. Of the bank balance, \$250,000 was covered by federal depository insurance, and \$2,784,176 was collateralized by pooled securities in accordance with Act 72. The deposits collateralized in accordance with Act 72 were exposed to custodial credit risk because they were uninsured, and the collateral held by the depository's agent was not in the Sewer and Sewer Reserve Funds' name.

As of December 31, 2015, \$369,056 of the Sewer and Sewer Reserve Funds' deposits was in the Pennsylvania Local Government Investment Trust ("PLGIT"). Although not registered with the Securities and Exchange Commission and not subject to regulatory oversight, PLGIT acts like a money market mutual fund in that its objective is to maintain a stable net asset value of \$1 per share, is rated by a nationally recognized rating organization (Standard & Poor's rating of AAAM as of December 31, 2015), and is subject to an independent annual audit.

Investments

Statutes authorize the Sewer and Sewer Reserve Funds to invest in obligations of the U.S. Treasury, agencies and instrumentalities, deposits in savings accounts or time deposits, or share accounts of institutions insured by the Federal Deposit Insurance Corporation ("FDIC") or the National Credit Union Share Insurance Fund ("NCUSIF"). The Sewer and Sewer Reserve Funds also are authorized to invest in obligations of the United States of America, or any of its agencies or instrumentalities, backed by the full faith and credit of the United States of America or the Commonwealth of Pennsylvania, or any of its agencies or instrumentalities.

As of December 31, 2015, the Sewer and Sewer Reserve Funds had the following investments:

Money market mutual funds	<u>\$ 1,784,899</u>
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WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 3 DEPOSITS AND INVESTMENTS (cont'd)

Custodial Credit Risk

For an investment, custodial credit risk is the risk that in the event of the failure of the counterparty, the Sewer and Sewer Reserve Funds will not be able to recover the value of its investments or collateral security that are in the possession of an outside party. As of December 31, 2015, none of the Sewer and Sewer Reserve Funds' investments were subject to custodial credit risk.

NOTE 4 CAPITAL ASSETS

A summary of the changes in the Sewer and Sewer Reserve Funds' capital assets is as follows:

	<u>Balance</u> <u>01/01/15</u>	<u>Additions</u>	<u>Deletions</u>	<u>Balance</u> <u>12/31/15</u>
Equipment	\$ 624,586	\$ 40,788	\$ (139,958)	\$ 525,416
Vehicles	<u>625,462</u>	<u>-</u>	<u>-</u>	<u>625,462</u>
	1,250,048	40,788	(139,958)	1,150,878
Accumulated depreciation	<u>669,427</u>	<u>76,103</u>	<u>(25,102)</u>	<u>720,428</u>
NET CAPITAL ASSETS	<u>\$ 580,621</u>	<u>\$ (35,315)</u>	<u>\$ (114,856)</u>	<u>\$ 430,450</u>

NOTE 5 SEWER PENSION PLAN

Plan description and provisions:

The West Goshen Township Sewer Pension Fund is a single-employer defined benefit pension plan covering the Township's full-time sewer employees. The plan is governed by the Board of Township Supervisors, which is responsible for the management of plan assets. The Board of Township Supervisors has delegated the authority to manage certain plan assets to Aetna Life Insurance Company, Bryn Mawr Trust Company, and Vanguard National Trust Company. West Goshen Township issues a stand-alone financial report that includes audited financial statements and required supplementary information. Copies of that report can be obtained at the Township Administration Building.

Plan Membership

Actuarial valuation report Form 205, filed with the Public Employee Retirement Study Commission and dated as of January 1, 2015, the most recent actuarial date, disclosed that plan membership consisted of the following:

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 5 SEWER PENSION PLAN (cont'd)

Active employees	27
Retirees and beneficiaries currently receiving benefits	6
Vested terminated members	<u>4</u>
Total	<u>37</u>

Benefit Provisions

Actuarial valuation report Form 205, filed with the Public Employee Retirement Study Commission and dated as of January 1, 2015, disclosed that the pension plan benefit provisions are as follows:

Members are eligible for normal retirement at age 65 with 10 years of service, or at age 60 with 20 years of service, and are entitled to 1.5 percent of average base earnings for the last 36 months of employment multiplied by service up to 35 years; for employees hired before July 1, 1980, 35 percent of average base earnings for the highest 60 consecutive months out of the final 120 months of employment.

Members are eligible for early retirement at age 50 with 15 years of service. The monthly early retirement pension benefit is equal to the actuarial equivalent of the benefit accrued to the early retirement date.

If a member continues working after the normal retirement date, the pension benefit does not start until the employee actually retires. The monthly late retirement pension benefit is equal to the actuarial equivalent of the benefit accrued to the late retirement date.

Active members who become totally and permanently disabled receive accrued benefits immediately, based on a five-year minimum service requirement.

Vesting starts at 50 percent in the fifth year, increasing 10 percent each year for five years, then to 100 percent after 10 years of service.

If a vested member dies prior to the annuity starting date and has been married for at least one year after attainment of age 50, the participant's surviving spouse shall receive the same benefit that would be payable if the participant had retired with an immediate joint and 100 percent survivor annuity on the day before the participant's date of death. The annuity starting date is defined as the first day of the first period for which an amount is paid as an annuity or in any other form.

Members are not required to contribute to the plan.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 5 SEWER PENSION PLAN (cont'd)

Contributions

The Commonwealth of Pennsylvania Act 205 ("Act 205") requires that annual contributions be based upon the minimum municipal obligation ("MMO"). The MMO is based upon the plan's biennial actuarial valuation. The state provides an allocation of funds which must be used for pension funding. Any financial requirement established by the MMO which exceeds the state contribution must be funded by the employer in accordance with Act 205.

Administrative Costs

Administrative costs, including the investment manager, custodial trustee, and actuarial services, are charged to the plan and paid from the general fund, which is reimbursed as pension investments are liquidated.

Actuarial Methods and Assumptions

The required contribution was determined as part of the January 1, 2015 actuarial valuation using the entry age normal actuarial cost method. The actuarial assumptions included (a) a 7.0 percent investment rate of return (net of administrative expenses) and (b) projected salary increases due to inflation of 5.0 percent per year, compounded annually. The actuarial value of assets was determined using techniques that smooth the effect of short-term volatility in the market value of investments over a five-year period. Mortality rates were based on the RP-2000 Healthy Annuitant Mortality Table for Males or Females, as appropriate.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best estimate ranges of expected future real rates of return (expected returns, net of inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighing the expected future real rates by the target asset allocation percentage and then adding expected inflation.

The target allocation is in the following table:

Asset Class	Target Allocation	Long-term Expected Real Rate of Return
Domestic equity	42%	5.5% - 7.5%
International equity	18%	4.5% - 6.5%
Fixed income	35%	1.0% - 3.0%
Cash	5%	0.0% - 1.0%
	100%	

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 5 SEWER PENSION PLAN (cont'd)

Discount Rate

The discount rate used to measure the total pension liability was 7.00 percent. The pension plan's fiduciary net position is projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all period of projected benefit payments to determine the total pension liability. The Township has always met the funding requirements of Pennsylvania law Act 205 of 1984. Act 205 requires full funding of the entry age normal cost plus plan expenses, as well as amortization of the unfunded liability.

Changes in Net Pension Liability

The net pension liability was measured as of December 31, 2015, and the total pension liability was determined by rolling forward the liabilities from an actuarial valuation as of January 1, 2015. No significant events or changes in assumptions occurred between the valuation date and the fiscal year end.

	Total Pension Liability (a)	Increase (Decrease) Plan Fiduciary Net Position (b)	Net Pension Liability (Asset) (a)-(b)
Balances at December 31, 2014	\$ 4,171,566	\$ 4,211,075	\$ (39,509)
Service cost	118,032	-	118,032
Interest cost	304,683	-	304,683
Changes for experience	87,267	-	87,267
Contributions – employer	-	169,179	(169,179)
Net investment loss	-	(2,208)	2,208
Administrative expenses	-	(12,417)	12,417
Benefit payments	(51,518)	(51,518)	-
Net changes	<u>458,464</u>	<u>103,036</u>	<u>355,428</u>
Balances at December 31, 2015	<u>\$ 4,630,030</u>	<u>\$ 4,314,111</u>	<u>\$ 315,919</u>

Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following presents the net pension liability of the plan, calculated using the discount rate of 7.00 percent, as well as what the plan's net pension liability would be if it were calculated using a discount rate that is one percentage point lower (6.00 percent), or one percentage point higher (8.00 percent) than the current rate.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 5 SEWER PENSION PLAN (cont'd)

	1% Decrease 6.00%	Current Rate Discount Rate 7.00%	1% Increase 8.00%
Plan's net pension liability	\$ 835,205	\$ 315,919	\$ (127,990)

Money-weighted Rate of Return

For the year ended December 31, 2015, the annual money-weighted rate of return on the non-uniformed pension fund investments, net of investment expense was -0.05 percent. The money-weighted rate of return considers the changing amounts actually invested during a period and weights the amount of pension investments by the proportion of time available to earn a return during that period.

Pension Liability and Expense and Deferred Outflows of Resources

At December 31, 2015, the Township reported a net pension liability of \$315,919 for its sewer pension fund.

For the year ended December 31, 2015, the Township recognized pension expense of \$192,665 for the sewer pension plan. At December 31, 2015, the Township reported deferred outflows of resources related to the sewer pension from the following sources:

	Deferred Outflows of Resources
Net difference between projected and actual investment earnings	\$ 251,946
Net difference between expected and actual experience	79,995
	\$ 331,941

These amounts will be reported as deferred outflows of resources related to pensions and will be recognized in pension expense as follows:

Year Ended December 31,		
2016	\$	70,259
2017		70,259
2018		70,259
2019		70,259
2020		7,272
Thereafter		43,633
	\$	331,941

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 6 RESTRICTED NET POSITION

The Lease Agreement dated August 1, 1985 provides for establishment of an operating reserve account in an amount not less than the expenses of operating, maintaining, and repairing the Sewer System for a period of three months. The balance in the Sewer Reserve Fund at December 31, 2015 was \$1,457,524 and is included in investments.

NOTE 7 SEWER BILLINGS, EAST GOSHEN TOWNSHIP

East Goshen/West Goshen Sewer Agreement – An agreement dated September 6, 1977, by and among the West Goshen Sewer Authority, the Township of West Goshen, the East Goshen Municipal Authority, and the Township of East Goshen provides, among other things, for the transportation and treatment of sewage wastes from East Goshen Township.

Quarterly charges for this service are based on a proportion of the total cost of operating and maintaining the treatment plant and the capital additions, less federal and state grants applicable thereto, determined by applying the percentage computed by dividing the flow from East Goshen Township for the prior quarter by the total flow into the treatment plant for said period.

In accordance with the agreement, an annual reconciliation is prepared on the basis of cash receipts and disbursements. As a result, a balance is due from East Goshen Township at December 31, 2015 as follows:

Treatment Costs	Percentage	Amount
Allocated administrative costs	\$ 586,836	
Treatment Plant expense	2,555,221	
Transfers	<u>(77,485)</u>	
	<u>\$ 3,064,572</u>	.17379
		\$ 532,592
Capital costs - treatment	\$ 294,578	.16667
Total quarterly billings paid by East Goshen Township, January 1, 2015 to December 31, 2015		<u>(544,958)</u>
Balance due from East Goshen Township		<u>\$ 36,731</u>

Shared Collection Costs, Westtown Way Pumping Station – Expenses of the Westtown Way Pumping Station are shared according to each township's use determined by applying a percentage computed by dividing the flow from East Goshen Township by the total flow through the pumping station.

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 7 SEWER BILLINGS, EAST GOSHEN TOWNSHIP (cont'd)

A balance is due from East Goshen Township at December 31, 2015, as follows:

Treatment Costs	Percentage	Amount
Allocated administrative costs	\$ 20,854	
Treatment Plant expense	<u>197,442</u>	
	<u>\$ 218,296</u>	.54340
		\$ 118,622
Total quarterly billings paid by East Goshen Township, January 1, 2015 to December 31, 2015		<u>(187,478)</u>
Balance due to East Goshen Township		<u>\$ (68,856)</u>
Total due to East Goshen Township		<u>\$ (32,125)</u>

NOTE 8 WESTTOWN/WEST GOSHEN SEWER AGREEMENT

An agreement dated April 5, 1979, by and among West Goshen Sewer Authority, West Goshen Township, and Westtown Township provides, among other things, for the transportation and treatment of sewage wastes from Westtown Township.

Quarterly charges for this service are based on the total cost of operating and maintaining the treatment plant less any federal or state grants applicable thereto, determined by applying the percentage computed by dividing the flow from the Westtown System for the prior quarter by the total flow into the treatment plant for said period.

In accordance with the agreement, an annual reconciliation is prepared on the basis of cash receipts and disbursements. As a result, a balance is due from Westtown Township at December 31, 2015, as follows:

	Costs	Percentage	Amount
Costs incurred:			
Payments by Treatment Plant	\$ 4,071,616		
Transfers	<u>(77,485)</u>		
	<u>\$ 3,994,131</u>	.06052	\$ 241,725
Capital costs - treatment	\$ 294,578	.08833	26,020
Total quarterly billings paid by Westtown Township, January 1, 2015 to December 31, 2015			<u>(252,059)</u>
Balance due from Westtown Township			<u>\$ 15,686</u>

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 9 WEST WHITELAND/WEST GOSHEN SEWER AGREEMENT

An agreement approved April 9, 1985, by and among the West Goshen Sewer Authority, West Goshen Township, the West Whiteland Municipal Authority, and West Whiteland Township provides, among other things, for the transportation and treatment of sewage wastes from West Whiteland Township.

In accordance with the agreement, an annual reconciliation is prepared on the basis of cash receipts and disbursements. As a result, a balance is due from West Whiteland Township at December 31, 2015, as follows:

	<u>Costs</u>	<u>Percentage</u>	<u>Amount</u>
Costs incurred:			
Payments by Treatment Plant	\$ 4,071,616		
Transfers	(77,485)		
	<u>\$ 3,994,131</u>	.13985	\$ 558,579
Capital costs - treatment	\$ 294,578	.13667	40,260
Total quarterly billings paid by West Whiteland Township, January 1, 2015 to December 31, 2015			<u>(578,116)</u>
Balance due from West Whiteland Township			<u>\$ 20,723</u>
Total balance due from municipalities and reflected on the statement of net position in accounts receivable			<u>\$ 4,284</u>

NOTE 10 OTHER POST-EMPLOYMENT BENEFITS ("OPEB")

The Township provides healthcare benefits to eligible employees after retirement. The Sewer and Sewer Reserve Funds' annual other post-employment benefit cost (expense) is calculated based on the annual required contribution of the employer ("ARC"), an amount actuarially determined in accordance with the parameters of GASB Statement No. 45. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal costs each year and amortize any unfunded actuarial liabilities (or funding excess) over a period not to exceed 30 years. The following table shows the components of the Sewer and Sewer Reserve Funds' OPEB cost for the year, the amount actually contributed to the plan, and changes in the Sewer and Sewer Reserve Funds' net OPEB obligation to the plan.

Annual required contribution	\$ 97,576
Interest on net OPEB obligation	8,549
Adjustment to annual required contribution	<u>(11,663)</u>

WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS

NOTES TO FINANCIAL STATEMENTS

NOTE 10 OTHER POST-EMPLOYMENT BENEFITS ("OPEB") (cont'd)

Actuarial Methods and Assumptions

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and the plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

In the January 1, 2015 actuarial valuation, the entry age actuarial cost method was used. The actuarial assumptions included a 4.50 percent investment rate of return and an annual healthcare cost trend rate of 6.0 percent, reduced by decrements of 0.5 percent per year to an ultimate rate of 5.5 percent in 2016. The UAAL is being amortized based on the level dollar, 30-year open period. The remaining amortization period at December 31, 2015 was 25 years.

NOTE 11 PRIOR PERIOD RESTATEMENT

The Sewer and Sewer Reserve Funds have restated the January 1, 2015 net position to record the net pension asset at December 31, 2014 in accordance with the requirements of GASB Statement No. 68 and GASB Statement No. 71, as discussed in Note 1. The net result of this change is an increase of \$39,509 in net position.

NOTE 12 SUBSEQUENT EVENTS

The Sewer and Sewer Reserve Funds have evaluated all subsequent events through June 22, 2016, the date the financial statements were available to be issued.

**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
SUPPLEMENTARY INFORMATION
YEAR ENDED DECEMBER 31, 2015**

**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
SUPPLEMENTARY INFORMATION
SCHEDULE OF EXPENSES
FOR THE YEAR ENDED DECEMBER 31, 2015**

Administrative

Auditing	\$ 28,631
Contracted services	18,171
Employee insurance benefits	176,185
Engineering services	108,580
Financial administration	2,215
Insurance and bonding	4,266
Legal services	8,865
Office supplies	1,968
Payroll taxes and other benefits	94,721
Postage	8,964
Repairs and maintenance	7,343
Salaries and wages	325,303
	<u>\$ 785,212</u>

Treatment Plant

Chemicals	\$ 95,893
Communications	11,775
Dues, subscriptions, and memberships	7,752
Electricity	43,698
Employee insurance benefits	347,236
Fuel and lubricants	4,289
Fuel oil for heating	225,222
Insurance	171,302
IWP testing	7,530
Laboratory expenses	24,113
Office supplies	10,142
Payroll taxes and other benefits	274,473
Repairs and maintenance	203,530
Salaries and wages	882,113
Sludge removal	229,449
	<u>\$ 2,538,517</u>

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**WEST GOSHEN TOWNSHIP
SEWER AND SEWER RESERVE FUNDS
SUPPLEMENTARY INFORMATION
SCHEDULE OF EXPENSES
FOR THE YEAR ENDED DECEMBER 31, 2015**

Collection System

Communications	\$ 8,036
Conveyance charges	13,119
Electricity	112,017
Employee insurance benefits	134,014
Fuel and lubricants	5,379
Infiltration services	26,415
Payroll taxes and other benefits	64,608
Pumping station	141,759
Repairs and maintenance	6,298
Salaries and wages	210,495
Water	1,329
	\$ 723,469

Minor Capital Additions

Administrative	\$ 18,826
Collection System	
Equipment, parts, and other tools	9,581
Treatment Plant	
Equipment, parts, and other tools	16,138
	\$ 44,545