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October 29, 2021

Via Electronic Filing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17105-3265

In re: Docket No. A-2021-3026132
Application of Aqua Pennsylvania Wastewater, Inc. pursuant to Sections 1102, 1329, 507 and 2102 of the Public Utility Code for Approval of its Acquisition of the Wastewater System Assets of East Whiteland Township

Dear Secretary Chiavetta:

We are counsel to Aqua Pennsylvania Wastewater, Inc. ("Aqua", "APW" or "Company") in connection with its above referenced Application, filed with the Public Utility Commission ("Commission") on July 23, 2021, pursuant to Sections 1102, 1329, 507 and 2102 of the Public Utility Code, for approval of the acquisition of the wastewater system assets of East Whiteland Township. The Bureau of Technical Utility Services is reviewing the Application and has asked that we address certain requests for additional information. Aqua addressed several of the Bureau's information requests in a letter filed on August 25, 2021. The remaining requests are addressed below:

INFORMATION REQUEST 2:

Checklist Item No. 12 – The Application's Exhibit H included copies of several chapters of EWT's Code of Ordinances (the EWT Code). The EWT Code's Section 154-106.C.(2) indicated that for commercial establishments with multiple units, if any units are vacant, one half of the equivalent dwelling units (EDUs) assigned to the space shall be used to calculate applicable charges. However, APW's pro forma tariff supplement, included as the Application's Exhibit G, doesn't contain a provision that imposes charges on vacant units in a commercial establishment using one-half of the EDUs assigned to the unit. Please amend the Application's Exhibit G to provide a proposed tariff containing a rate equal to the existing rates of the seller at the time of acquisition, including provisions to impose charges on vacant units in commercial establishments using one-half of the EDUs assigned to the unit.

RESPONSE:
Included with this letter is an updated Application Exhibit G.

INFORMATION REQUEST 4:
Checklist Item No. 15.a. – The Application's Exhibit D, Engineering Assessment, stated "[...] The Township does not have any property held for future use." However, the Engineering Assessment inventory for P.S. 13 – AKA Malvern Hunt Pump Station identified a chemical dosing system, which contains a 100-gallon fuel tank and a LMI Dosing pump not currently in use. Please indicate if these assets will be transferred as part of the proposed transaction and, if so, amend the Application's Paragraph 13 and Exhibit D to indicate these assets will be held for future use.

RESPONSE:
The dosing system will be transferred as part of the Proposed Transaction. Aqua acknowledges that Application paragraph No. 13 should now read "The EWT system has a dosing system in pump station No. 13 which is not currently in use." An updated Exhibit D is attached to this letter that includes a statement in the Pump Station 13 facility description that the chemical dosing system is held for future use. Please note that the updated CONFIDENTIAL facilities map, which is part of updated Exhibit D, is not included with this letter but is being submitted separately under CONFIDENTIAL cover. A Public Work Paper File in Excel Format for the Engineer's Asset Inventory is also being submitted separately.

Along with the foregoing, Exhibit D has been updated to reflect an updating of APA Schedule 4.10 – Equipment and Machinery. Updated APA Schedules are also included with this letter.

INFORMATION REQUEST 5:
Checklist Item No. 15.b. – The Application's Exhibit D, Engineering Assessment, included a title page for Appendix C – Owned Property & Easements of Value with an indication Appendix C is "To Be Provided". Please provide a revised Exhibit D with the completed Appendix C.

RESPONSE:
Please see the updated version of Application Exhibit D included in response to Information Request 4.

INFORMATION REQUEST 7:
Checklist Item No. 16.a. – The Application's Appendix A, Map of Requested Territory, does not appear to include the area of the Kings Road Pump Station (Kings Road P.S.), which is located on the south side of Kings Road in East Goshen Township (EGT), as part of the requested service territory. The Application's Exhibit F-16, Page 3, indicated the sewer lateral emanating from the Malvern Institute for Psychiatric & Alcohol Studies' building, located in EGT, shall connect to the Kings Road P.S. where EWT shall collect and convey the wastewater through its system. Please amend the Application's Appendix A to include the Kings Road P.S. as part of the requested service territory.

RESPONSE:
Please see the updated Application Exhibit A included with this letter.

INFORMATION REQUEST 8:
Checklist Item No. 18.a. – The Application's Exhibit G contained a copy of APW's *pro forma* tariff supplement. Original Page 8.13.2 included a unit schedule that specified the number of EDUs assigned to various property types, preceded by the phrase "Fractional EDUvalues shall be rounded to the next highest whole value." However, this procedure of rounding fractional EDU values to the next highest whole value does not appear to be described in EWT's currently effective rates and rules, provided in the Application's Exhibit H. If EWT rounds fractional EDU values to the next highest whole value, please amend Exhibit H to include evidence that EWT rounds fractional EDUs to the next highest whole value. However, if EWT does not round fractional EDU values to the next highest whole value, amend Exhibit G to remove the phrase "Fractional EDU values shall be rounded to the next highest whole value." from Original Page 8.13.2.

RESPONSE:
Included with this letter is an updated Application Exhibit G.

INFORMATION REQUEST 9:
Checklist Item No. 18.a. – The Application's Exhibit G contained a copy of APW's *pro forma* tariff supplement. Original Page 8.13.3 included a unit schedule that specified the number of EDUs assigned to various property types. However, Original Page 8.13.3 doesn't indicate an EDU value for Category (16) – "Each Business providing showers for employees: Each additional 7 employees or fraction thereof" (the Missing Category). Also, it appears that the EWT Code, provided in the Application's Exhibit H, doesn't indicate a value for the Missing Category on Page 154:91. Please amend the Application's Exhibit H to include evidence of the number of EDUs that EWT assigns to the Missing Category and amend the Application's Exhibit G to indicate an EDU value for the Missing Category that conforms with Exhibit H, as amended.

RESPONSE:
The value for Category 16 "Each Business providing showers for employees: Each additional 7 employees or fraction thereof" should be 1 EDU. The Township acknowledges that an EDU value is missing for Category 16 and will amend its Township Code to insert that value at a later date. An updated version of Exhibit G reflecting 1 EDU added to category 16 is included in the response to Information Request 2.

INFORMATION REQUEST 10:
Checklist Item No. 18.a. and b. – The Application's Exhibit H included copies of several chapters of the EWT Code. The EWT Code's Section 154-104 indicated that EWT is divided into five sanitary sewer districts and that the geographic boundaries of each such district is depicted on EWT's Sewer Districts Map (District Map). Section 154-104 also indicated that a copy of the District Map is "authorized hereby, incorporated herein by reference thereto, and made a part hereof." Please amend the Application's Exhibit H to include a copy of the District Map.

RESPONSE:
A copy of the Sewer District Map is included with this letter.

INFORMATION REQUEST 13:
Checklist Item No. 20.b – The Application's Exhibit M1 consisted of a copy of the WQM permit for the Malvern Hunt WWTP. However, the Application's Exhibit B, Asset Purchase Agreement, identified 15 WQM permits being transferred as part of this transaction. Please amend the Application by providing copies of the 15 WQM permits identified in the Asset Purchase Agreement.

SUPPLEMENTAL RESPONSE:
Included with this letter is the Flat Road Pump Station WQM Permit re-issued by DEP.

INFORMATION REQUEST 15:
Checklist Item No. 22.e. – The Application's Exhibits P9 and P10 included copies of letters sent to the East Whiteland Township Planning Commission and the Chester County Planning Commission, respectively. However, these exhibits did not include responses back from these local jurisdictions indicating the filing is consistent with the affected municipality and county comprehensive plans. Please provide evidence the filing is consistent with the affected municipality and county comprehensive plans.

RESPONSE:
Copies of letters from the Chester County Planning Commission and East Whiteland Township Planning Commission are included with this letter.

INFORMATION REQUEST 16:
Checklist Item No. 24 – The Application's Exhibit B consisted of a copy of the Sanitary Sewer Asset Purchase Agreement By and Between Township of East Whiteland, Chester County as Seller and Aqua Pennsylvania Wastewater, Inc. as Buyer (APA). Schedule 2.02(h) – Excluded Assets of the APA stated "…it is expected that the spray irrigation system associated with the [Malvern Hunt wastewater treatment plant (Malvern Hunt WWTP)], including the treatment ponds and the spray irrigation fields, will be decommissioned and, along with associated parcels 42-3-47 and 42-3-127, will be excluded from the sale." However, a table included between Pages 38 and 39 of the Application's Exhibit D, Engineer's Assessment, identified a chemical dosing system which contains a 100-gallon fuel tank and a LMI Dosing pump which appear to be permitted for the Malvern Hunt WWTP and easements on parcels 42-3-47 and 42-3-127 within the asset inventory. Checklist Item No. 24.e. requires the APA to adequately describe the assets to be excluded. Please revise the Application's Exhibit B to adequately describe the assets to be excluded and revise the Application's Exhibit D to remove excluded assets from the asset inventory.

RESPONSE:
The Company will need an easement for parcel 42-3-127 (lagoon). The easement for 42-3-47 (spray field) was removed from Application Exhibit D and from the APA schedules in Application Exhibit B (both are provided in response to Information Request 4).

INFORMATION REQUEST 17:
Checklist Item No. 25 – The Application's Exhibits F1 through F22 contained copies of various municipal agreements. Several of these Exhibits are incomplete. Please provide responses for each of the following:

a. Amend Exhibit F1 to include a copy of Exhibit E referenced in Exhibit F1, Page 37. Exhibit E to Exhibit F1 depicts where the parties must convey wastewater to VFSA for treatment.

b. Amend Exhibit F2 to include a copy of the agreement executed by Malvern Borough, East Whiteland, Willistown, and Schuylkill Townships, and the Malvern Municipal Authority.

c. Exhibit F2, Page 2 references an agreement dated July 1, 1974, between the parties and the United States Environmental Protection Agency (1974 EPA Agreement). The 1974 EPA Agreement describes certain ordinances that parties are required to adopt. If APW will assume the 1974 EPA Agreement, provide an executed copy of the 1974 EPA Agreement as an additional Exhibit.

d. Amend Exhibit F6 to include a copy of Exhibit A referenced in Exhibit F6, Page 3. Exhibit A to Exhibit F6 depicts the location of the East Whiteland Trunk Line, including interceptor and trunk sewers and appurtenances.

e. Amend Exhibit F6 to include a complete, legible copy of Exhibit B, Sheet 1 of 4. The copy of Exhibit B, Sheet 1 of 4 included in Exhibit F6 in incomplete.

f. Amend Exhibit F17 to include a copy of the agreement executed by VFSA.

g. Amend Exhibit F17 to include a copy of the Settlement Agreement referenced on Page 6, Section 3.4. Section 3.4 states "[EWT] shall be permitted to buy and sell its existing capacity [...] pursuant to Section 3C(1)(e) of the Settlement Agreement.". Also, if APW will be assigned the Settlement Agreement by EWT, provide an executed copy of the Settlement Agreement as an additional Exhibit.

RESPONSE:

b. Included with this letter are the Right-To-Know ("RTK") responses of Schuylkill Township and Valley Forge Sewer Authority, and a letter sent by Willistown Township acknowledging that it does not have a complete copy of Composite Amendment No. 1 to

the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunkline Agreement, and the Valley Forge Sewer Plant Agreement dated December 1, 1974. Application Exhibit F2 included RTK responses from all other parties to the agreement.

c. Aqua will not be assuming this contract.

d. Included with this letter are the RTK responses from Malvern Borough and the Valley Forge Sewer Authority. No parties to this agreement have the missing Exhibit A.

g. Please find included with this letter the Settlement Agreement as Application Exhibit F23.

CHECKLIST ITEM 18:
Checklist Item Nos. 25, 16.a., 16.f. – Checklist Item No. 25 requested a copy of all municipal and affiliate contracts to be assumed by the buyer as part of the acquisition. The Application's Exhibit F10 contained a copy of a Sewage Treatment Agreement dated November 17, 1987 (the November 1987 Treatment Agreement), by and between EGT, theEast Goshen Municipal Authority (EGMA), EWT, and the East Whiteland Township Municipal Authority (EWTMA). The November 1987 Treatment Agreement, Page 1, indicated that the Malvern Golf Club Subdivision, also known as Lockwood Chase (the Lockwood Chase Development), includes 23 lots that are in EWT (the Lockwood Chase EWT Lots), and that the collection system for the portion of the Lockwood Chase Development in EWT is owned by EWTMA and operated by EWT. Please provide responses for each of the following:

a. Amend Exhibit F10 to include a copy of the Lockwood Chase Development's Final Subdivision Plan that indicates the location of the Lockwood Chase EWT Lots.

b. If the area of the Lockwood Chase EWT Lots is/are not included in the Application's Exhibit A, Map of Requested Territory, amend the Application's Exhibit A to include the area of the Lockwood Chase EWT Lots.

c. If the Confidential Facilities Map included with the Application does not depict the location or route of wastewater collection facilities serving the Lockwood Chase EWT Lots, amend the Application's Confidential Facilities Map to include a depiction of the location or route of wastewater collection facilities serving the Lockwood Chase EWT Lots.

RESPONSE:

a. A copy of the subdivision plan for Lockwood Chase is included with this letter.

b. Please see the amended Application Exhibit A provided in response to Information Request 7.

c. Please see the updated CONFIDENTIAL Facilities Map referenced in the response to Information Request 4.

CHECKLIST ITEM 19:
Checklist Item Nos. 25, 16.a., 16.f. – Checklist Item No. 15 requested a copy of all municipal and affiliate contracts to be assumed by buyer as part of the acquisition. The Application's Exhibit F13 contained a copy of a Sewage Treatment Agreement dated October 17, 2000 (the October 2000 Treatment Agreement) by and between EGT, EGMA, EWT, and EWTMA. The October 2000 Treatment Agreement, Page 1, indicated that the Mill Valley development(the Mill Valley Development) includes 4 lots that are in EWT (the Mill Valley EWT Lots) that discharge wastewater into EWT's wastewater system. Also, Page 2 of the October 2000 Treatment Agreement indicates that EWT is responsible for billing the Mill Valley EWT Lots for wastewater service and that EWT and EWTMA are responsible for the maintenance and repair of the portion of EWT's wastewater system located in the Mill Valley Development. Please provide responses for each of the following:

a. Amend Exhibit F10 to include a copy of the Mill Valley Development's FinalSubdivision Plan that indicates the location of the Mill Valley EWT Lots.

b. If the area of the Mill Valley EWT Lots is/are not included in the Application's Exhibit A, Map of Requested Territory, amend the Application's Exhibit A to include the area of the Mill Valley EWT Lots.

c. If the Confidential Facilities Map included with the Application does not depict the location or route of wastewater collection facilities serving the Mill Valley EWT Lots, amend the Application's Confidential Facilities Map to include a depiction of the location or route of wastewater collection facilities serving the Mill Valley EWT Lots.

RESPONSE:

a. A copy of the subdivision plan for Mill Valley is included with this letter.

b. Please see the amended Application Exhibit A provided in response to Information Request 7.

c. Please see the updated CONFIDENTIAL Facilities Map referenced in the response to Information Request 4.

Along with the updates to Exhibit A, the Schedules to Exhibit B, Exhibit D, F Series Exhibits, and Exhibit G, we are including with this letter an updated customer notice to East Whiteland wastewater customers and an updated Appendix A to Aqua Statement No. 1 (which provides the supporting calculations), showing a non-binding estimated incremental rate effect calculated at 70%

of the cost of service. A CONFIDENTIAL Excel file version of Appendix A to Aqua Statement No. 1 is being submitted separately under CONFIDENTIAL cover.

The Verification of William C. Packer verifying the foregoing is included with this letter.

Aqua believes that, with this letter and accompanying information, it has complied with the Bureau of Technical Utility Services' requests for supplemental information and asks that the Public Utility Commission acknowledge that the Application has been perfected.

Please contact me with any questions about the foregoing.

Very truly yours,

THOMAS, NIESEN & THOMAS, LLC

By 

Thomas T. Niesen

cc: Certificate of Service
Alexander R. Stahl, Esquire (via email)
Thomas S. Wyatt, Esquire (via email)

UPDATED APPLICATION EXHIBIT G

AQUA PENNSYLVANIA WASTEWATER, INC.
(hereinafter referred to as the "Company")

RATES, RULES, AND REGULATIONS

GOVERNING THE COLLECTIONS OF

WASTEWATER

IN PORTIONS OF

ADAMS, BUCKS, CARBON, CHESTER, CLARION, CLEARFIELD, DELAWARE, LACKAWANNA, LUZERNE, MONROE, MONTGOMERY, PIKE, SCHUYLKILL, VENANGO, AND WYOMING COUNTIES

IN THE COMMONWEALTH OF PENNSYLVANIA

ISSUED: XXXX XX, 202X
By:
Marc Lucca, President
Aqua Pennsylvania, Inc.
762 Lancaster Avenue
Bryn Mawr, Pennsylvania 19010

EFFECTIVE: XXXX XX, 202X

NOTICE

THIS TARIFF ESTABLISHES THE WASTEWATER RATES FOR THE CUSTOMERS OF EAST WHITELAND TOWNSHIP SITUATED WITHIN CHESTER COUNTY, PENNSYLVANIA.

LIST OF CHANGES MADE BY THIS TARIFF

Changes: This tariff makes changes to reflect the acquisition of the wastewater assets of East Whiteland, located within East Whiteland Township, Chester County, Pennsylvania. Closing on the acquisition took place on XX/XX/202X, with the effective date of ownership occurring at 12:01AM on XX/XX/202X. (See pages 7 and 8.13.1, 8.13.2, and 8.13.3)

This tariff is made pursuant to the Commission's Order adopted and entered XX/XX/202X at Docket No. A-2021-3026132, which authorizes the issuance of the Certificate of Public Convenience.

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DESCRIPTION OF TERRITORIES SERVED

	Township	County
RATE ZONE 12		
Lower Makefield Township Division	Lower Makefield	Bucks

(C) RATE ZONE 13

East Whiteland Township Division — East Whiteland — Chester

Sewer District A: that part of East Whiteland Township not included within Districts B, C, D, and E

Sewer District B: properties served by the western extension of the Route 30 sewer main

Sewer District C: residential dwellings located in the Lockwood Chase subdivision

Sewer District D: all properties that flow into and whose effluent is treated at the sanitary sewage facility that serves the dwellings in the Malvern Hunt development

Sewer District E: all commercial and residential properties located in the Atwater development south of the quarry

SCHEDULE OF RATES

RATE ZONE 13 – METERED AND UNMETERED

The rates under this schedule apply to all customer classes in the territories served subject to Rate Zone 13 rates as noted in the Description of Territories Served section under this tariff unless otherwise specifically identified below.

QUARTERLY SERVICE CHARGE ($)

Customer Charge ($)		Rate Zone 13	
Fixed (per EDU)			
District A	$	100.00	per EDU per quarter
District B	$	100.00	per EDU per quarter
District C	$	135.50	per EDU per quarter
District D	$	150.00	per EDU per quarter
District E	$	120.00	per EDU per quarter

Commercial and Industrial Users: Each commercial and industrial user, whose total quarterly sewage discharge or water consumption is greater than 100,000 gallons, “High Volume Users”, shall pay a sewer rate per thousand gallons as opposed to the Fixed Per EDU Service Charge.

QUARTERLY CONSUMPTION CHARGE ($)
(Based on Water Usage or Sewage Flows, determined at the Company’s discretion)

High Volume Users Commercial and Industrial Consumption Charge:			
Districts A through E	$	6.20	per 1,000 gallons

1. Wastewater customers in East Whiteland Township are required to comply with the wastewater control regulations adopted by East Whiteland Township and included in Exhibit H to the Application filed at Docket No. A-2021-3026132.

RATE ZONE 13 – CONTINUED

2. Unit Schedule

For customers in the East Whiteland Township service area, the number of equivalent dwelling units is determined as follows.

Category			Number of EDU
(1)		Each private dwelling unit or living unit	1
(2)		Each individual commercial establishment or business, having 10 or less of its own employees, attached to or forming a part of owner's residence, unless otherwise specified herein	1
(3)		Each additional 5 of its own employees or fraction thereof	1/2
(4)		Each individual commercial establishment or business, having 10 or less of its own employees, not attached to or forming a part of owner's residence, unless otherwise specified herein	1
(5)		Each additional 5 of its own employees or fraction thereof	1/2
(6)		(i) Hotel guest room/suite, motel guest room/ suite and conference center guest room/suite with kitchenette - 2.5 bedrooms	1
		(ii) Hotel guest room/suite, motel guest room/ suite and conference center guest room/suite without kitchenette - 3.0 bedrooms	1
		(iii) Kitchenette shall include any one or more of the following facilities or combination thereof: (i) sink and refrigerator; (ii) sink and stove; (iii) sink and dishwasher; (iv) sink and disposal	
(7)		Each restaurant (without liquor license) per 25 seats	1
(8)		Each restaurant (with liquor license) per 10 seats	1
(9)		Each service station garage and automobile repair shop, without carwash facilities:	
		2 bays or less	2
		Each additional bay over 2	1
(10)		Each barber or beauty shop, not attached to owner's residence:	
		2 chairs or less	1 1/2
		Each additional two chairs or fraction thereof	1/2
(11)		Each firehouse	1 1/2
(12)		Each church or chapel	1
(13)		Each public swimming pool or private swimming club	3
(14)		Each school, public or private, having:	
		Toilet facilities only, per 25 pupils and staff or fraction thereof	1
		Toilet facilities and kitchen, per 20 pupils and staff or fraction thereof	1

		Toilet facilities and gymnasium, per 15 pupils and staff or fraction thereof	1
		Toilet facilities, kitchen and gymnasium, per 12 pupils and staff or fraction thereof	1
(15)		Each property having a commercial garbage grinder of 3/4 horsepower or greater per grinder	1
(16)		Each business providing showers for employees:	
		7 or less employees	1
		Each additional 7 employees or fraction thereof	1
(17)		Each funeral home	2
(18)		Each nursing home, per bed	3/4

To compute the sewer rate for facilities in a single commercial establishment which consists of multiple uses, such as a shopping center or an office building, each unit, tenant, or use shall be calculated by using the above schedule as though each unit, tenant, or use were a separate property or user with a separate connection to the sewer system. In such cases, the owner shall be liable for the full sewer charges. Charges shall be due and payable on all units whether vacant or occupied. If the unit is vacant, one-half of the EDUs assigned to the space shall be used for the calculation.

The DSIC surcharge shall not be applied to bills of wastewater customers in East Whiteland Township; this will remain effective until an amended Long-Term Infrastructure Improvement Plan (LTIIP) is filed and approved which includes East Whiteland. Following the approval of an amended LTIIP, the DSIC surcharge shall be applicable to wastewater customers in East Whiteland Township.

UPDATED APPLICATION EXHIBIT D

EAST WHITELAND TOWNSHIP
SEWERAGE FACILITIES
ENGINEERING ASSESSMENT AND ORIGINAL COST

East Whiteland Township
Chester County, PA

Prepared for:

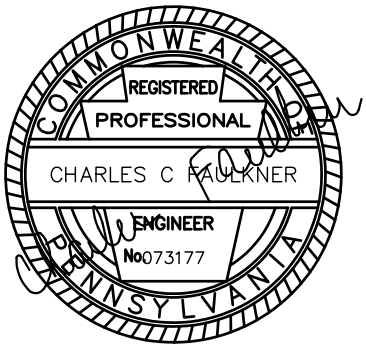
East Whiteland Township
209 Conestoga Road
Frazer, PA 19355

Aqua Pennsylvania Wastewater, Inc.
762 W. Lancaster Avenue
Bryn Mawr, PA 19010

Submitted By:

Pennoni Associates Inc.
1900 Market St, Suite 300
Philadelphia, PA 19103





Frank A. Ciufo, PE
Pennoni Associates Inc.

Charles Faulkner, PE
Pennoni Associates Inc.

EWTPX17000.03

May 20, 2021,
revised October 28, 2021

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APPENDICES

APPENDIX A – SYSTEM MAPS

- A1 – East Whiteland Township Sanitary Sewer Collection System

APPENDIX B

- Uniform System of Accounts - Section 300
- PA ACT 12 of 2016

APPENDIX C – OWNED PROPERTY & EASEMENTS OF VALUE

- See Section 8, Accounts 353.20 and 353.30

APPENDIX D – SUPPORTING DOCUMENTS

- Exhibit No. 3
- Exhibit No. 4
- Exhibit No. 5
- Pricing Structure

1. EXECUTIVE SUMMARY

As required by PA Act 12 of 2016 and following the guidelines of the "Uniform System of Accounts for Class A Wastewater Utilities", an assessment of the tangible assets of facilities and equipment of the East Whiteland Township wastewater utility has been prepared as part of the asset purchase agreement with Aqua Pennsylvania Wastewater, Inc. (Aqua). Each facility and class of equipment was coded based on Section 300 of the "Wastewater Utility Plant Accounts" of the Guidelines. The Asset Survey included the 12 Township owned pump stations and associated force mains, and approximately 60 miles of gravity sewers. Asset cost information was derived from various sources. Site visits to each of the facilities were conducted to inventory the equipment and assess conditions.

Site inventories and facility conditions were documented on facility information sheets and summarized in the facility description summaries.

Conditions of the Pump Stations varies from fair to very good based on the age and/or completion of recent improvements.

Gravity sewer and force main conditions were not determined. The piping installation period ranges from approximately the late 1970s to 2019.

A complete list of the assets and available original costs is provided in Section 8 of this report.

2. PURPOSE OF REPORT

The purpose of this report is to "conduct an assessment of the tangible assets of the selling utility" per the requirements of PA Act 12 of 2016.

This engineering assessment will be used by the Utility Value Experts (UVEs) retained by both the seller (East Whiteland Township) and buyer (AQUA). The engineering assessment followed the practices and procedures of the Public Utility Commission (PUC) and National Association of Regulatory Utility Commissioners (NARUC) Systems of Accounts. The engineering assessment report documents the conditions and original costs of East Whiteland Township's assets that will be used as the common list for the UVEs to develop their appraisal of the system.

The report preparation process included meeting with key Township and Aqua representatives to identify and confirm specific information needed to support the assessment and to prepare the report, providing a mutually agreed upon scope of work with East Whiteland Township and Aqua. The inventory is a compilation of data gathered by the Township and Pennoni, developed from institutional knowledge, available records, maps, work orders, payment records from construction projects, GIS, site evaluations, and other sources to provide an inventory and listing.

This report contains the following:

- An inventory of the used and useful assets to be transferred, compiled by year and account (codes).
- A list of non-depreciable property such as land and rights-of-way.
- A review of system components, plans, and reports of key facilities. This includes:
  - Permitted discharges, including regulatory requirements
  - Pumping Stations (12 each), including force mains
  - Gravity collection system
  - Metering stations
- Summary of the operation and maintenance expenses based upon review of Township operating records.
- An assessment of the identified assets.
- Determination and/or establishment of an original cost of construction for each asset.

Assets were identified through various sources. Force main sizes and quantities were taken from GIS and project drawings. Pump Stations were field inventoried and evaluated; and, supplemented with information obtained from drawings, where available. Asset costs are based on Construction Escrow Releases/Estimates where available or estimated current cost and back calculated to the year of installation using the ENR Construction Cost Index.

A coding system as described in Section 300 of the Uniform System of Accounts for Class A Wastewater Utilities was used for classifying various assets. Section 300 as well as the listing of codes can be found in Appendix B. The entire Uniform System of Accounts can be found in the Digital Files.

3. SYSTEM DESCRIPTION

System Summary

East Whiteland Township is responsible for the safe collection and transmission of an average over 1.062 million gallons per day (MGD) of wastewater generated in southeastern Pennsylvania (A map of the service areas is located in Appendix A, Figure A1). East Whiteland Township's facilities serve residential, commercial, institutional, and industrial customers all within Chester County. The Township owns and operates a system consisting of 12 pump stations and associated force mains, and approximately 60 miles of gravity collection system mains and interceptor sewers for the conveyance of wastewater to the Valley Forge Sewer Authority Wastewater Treatment Plant via the Valley Creek Trunk Sewer.

In addition to customers within the Township, East Whiteland Township also collects/conveys sewage to/from municipalities that border the Township including Malvern Borough, Tredyffrin Township Charlestown Township, Willistown Township, and East Goshen Township. Agreements with these municipalities, (or entities operating their respective system) outline the responsibilities regarding this relationship.

PUMP STATION LIST

East Whiteland Township

PUMP STATION	PUMP STATION NO.	Address
Deer Run	P.S. 1	15 Deer Run Ln
Mill Lane	P.S. 2	202 Conestoga Rd
Wilburdale	P.S. 3	101 Flat Rd.
Lee Boulevard	P.S. 4	13 Lee Blvd
Meadowview	P.S. 5	317 Swedesford Rd
Flat Road	P.S. 6	601 Flat Rd
Lapp Road	P.S. 7	510 Lapp Rd
Westgate	P.S. 8	331 Lancaster Ave
Hillbrook Circle	P.S. 11	379 Conestoga Rd
King Road	P.S. 12	340 King Rd
Malvern Hunt	P.S. 13	30 Corbin Dr
Planebrook Road	P.S. 14	170 Cricket Dr

4. INVENTORY OF ASSETS

4.1. PUMP STATIONS

P.S. 1 - AKA Deer Run PS

Facility Description (see attached Information Sheet)

P.S. 1 is located at 15 Deer Run Lane and is equipped with (2) 90-GPM dry pit submersible pumps. Wastewater is discharged through an 830 foot, 4-inch ACP force main that ties into the existing sewage collection system at Manhole 826 located on Conestoga Road near Deer Run Ln. The pump station was installed in 1976.

The pump wet well is (5-ft diameter, 12-ft deep) with 24-inch MH cover hatchway. The control panel is custom manufactured.

The Building (10-ft x 12-ft) is constructed of concrete with brick facade and asphalt shingle roof in good condition. The building contains florescent lighting and 1 steel door.

The Generator is a Generac SD00353G163, 35 KW unit with 132-gallon fuel tank. The Automatic Transfer Switch (ATS) is manufactured by Cummins Power Command.

The property is surrounded by a 136 LF 6-ft chain link with barbed wire fence.

Property Condition

The building is in good condition, the roof is in good condition and all HVAC systems appear to be in good condition.



Figure 1 – Facility Site


Figure 2 – Pump Control Panel and ATS


Figure 3 – Dry Pit Pump



Figure 4 – Generator

PUMP STATION #		P.S. 1		**Scheduled Visit Date:**		
Station Name		Deer Run				
Location		15 Deer Run Ln				
Start Up Date		1976				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Good			
		No. of Pumps	2			
		Type	Dry Pit Submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	CT3127			
		Year Installed	1976			
		Pump GPM	90			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	7.5			
		Motor Voltage	230			
371.3		Pump Control (VFD?)				
370.3		**WET WELL**				
		Condition	good			
		Size	5' diam x 12 deep			
		Material				
		Lined				
		Hatch	24' MH cover			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	custom			
		Year Installed				
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material	ACP			
		Diameter	8"			
371		**GRINDER**				
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**				
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type				
		Manufacturer				
		Size				
		#				
		Year Installed				
355		**GENERATOR**				
		Manufacturer	Generac SD00353G163			
		Generator KW	35			
		Generator KVA	44			
		Fuel Tank (Gals)	132			
355		ATS (manf/model #)	Cummins Power Command			
		Year Installed	2018			
360		**FORCE MAIN**				
		Force Main Size	4"			
		Force Main Mat.	ACP			
		Length in Feet	830			
		Year Installed	1976			
		Discharge Point	MH 826			
		Discharge Point Location	Conestoga Road near Deer Run Ln			

354.2		**BUILDING**				
		Condition	good			
		Size	10' x 12			
		Main Structure Material	concrete with brick facade			
		Roof Type	asphalt shingle			
		Roof Condition	good			
		Doors (number /material)	1 - steel			
		Lighting (Type)	florescent			
		Year Installed				
		ELECTRICAL				
371.3		MCC	100 amp panel			
396		Alarm System (manf/ model)	Ademco - auto dial			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition	good	good		
		Type	In-line pipe exhaust	electric unit heater		
		Manufacturer		Q-Mark		
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	136'			
		Fence Type	6' chain link w/ barb wire			
		Year Installed				
354.3		Paving and Walkways	asphalt drive			
371.3		**ODOR CONTROL**				
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable	Yes			
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
Pumps and controls are original and in fair condition. Building and other facilities are in good condition. Generator is was replaced in 2018 and is in very good condition.						

P.S. 2 - AKA Mill Lane PS

Facility Description (see attached Information Sheet)

P.S. 2 is located at 202 Conestoga Rd and is equipped with (3) 1600-GPM dry pit submersible pumps. Wastewater is discharged through a 3400 LF, 14-inch DIP force main that ties into the existing sewage collection system at Manhole 826 located on Conestoga Road near Deer Run Lane. The pump station was installed in 1976 and reconstructed 2013.

The pump wet well is Concrete (9-ft x 30-inch x 31-ft deep) with 42-inch x 42-inch and 36-inch x 36-inch hatchways. The control panel is manufactured by Healy-Ruff. There are (6) 12-inch gate valves and (3) 12-inch check valves installed in 2013. The influent line to the wet well contains a bar screen.

The Building (32-ft x 22-ft) is constructed of masonry block and asphalt shingle roof in good condition. The building contains 2 steel doors.

The Generator is an Onan DFEK-1207638, 500 KW unit with 850-gallon fuel tank. The Automatic Transfer Switch (ATS) is an ASCO 7000 series.

The property is surrounded by a 600 LF 6-ft cyclone with barbed wire fence.

Property Condition

The building is in very good condition, the roof is in good condition and all HVAC systems are in very good condition.



Figure 1 – Facility Site



Figure 2 – Pump Building - Front



Figure 3 – Dry Pit Pumps



Figure 4 – Dry Pit Pumps



Figure 5 -Dry Pit Pump



Figure 6 - MCC



Figure 7 - Pump Control Panel



Figure 8- Pump Control Interface



Figure 9 -Crane



Figure 10 - Generator



Figure 11 -Scada System



Figure 12 -Bar Screen



Figure 13 -VFDs



Figure 14 – Old Pump Building



Figure 15 – Old Pump Bldg. Upper Floor



Figure 16- Old Pump Bldg. Pump Dry Pit

PUMP STATION #		P.S. 2		**Scheduled Visit Date:**		2/10/2021
Station Name		Mill Lane				
Location		202 Conestoga Rd				
Start Up Date		1976, Reconstructed 2014				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Very Good			
		No. of Pumps	3			
		Type	Dry Pit Submersible			
		Pump Manufacturer	Fairbanks Morse			
		Pump Model Number	C5446			
		Year Installed	2013			
		Pump GPM	1600			
		Pump TDH Ft.	200			
		Outlet Size	5"			
		Motor HP	150			
		Motor Voltage	460			
371.3		Pump Control (VFD)	VFD Eaton EPX9000			
370.3		**WET WELL**				
		Condition	Very Good			
		Size	9'x30'x31'Deep			
		Material	Concrete			
		Lined				
		Hatch	42"x42", 36"x36"			
		Vent				
		Rails				
		Cable				
		Piping	Ductile Iron			
371.3		**CONTROL PANEL**				
		Manufacturer	Healy-Ruff			
		Year Installed				
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer	Bar Screen			
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**				
		Manufacturer	Shaw-Box			
		Model/Serial number	2-Ton			
		Year Installed	2013			
360		**VALVES (DISCHARGE)**				
		Type	Gate	Check		
		Manufacturer	Milliken	Milliken		
		Size	12"	12"		
		#	6	3		
		Year Installed	2013	2013		
355		**GENERATOR**				
		Manufacturer	Onan DFEK-1207638			
		Generator KW	500			
		Generator KVA	625			
		Fuel Tank (Gals)	850			
355		ATS (manf/model #)	ASCO 7000			
		Year Installed	2013			
360		**FORCE MAIN**				
		Force Main Size	14"			
		Force Main Mat.	DIP			
		Length in Feet	3400			
		Year Installed	1976			
		Discharge Point	MH 826			
		Discharge Point Location	Conestoga Road near Deer Run Ln			

354.2		**BUILDING**				
		Condition	Very Good			
		Size	32' x 22'			
		Main Structure Material	Masonary Block			
		Roof Type	Asphalt Shingle			
		Roof Condition	Good			
		Doors (number /material)	2 - Steel			
		Lighting (Type)				
		Year Installed				
		ELECTRICAL				
371.3		MCC	Allen Bradley 800 Amp	225 Amp &125 Amp service panels		
396		Alarm System (manf/ model)	Sensaphone Scada			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition	Very Good			
		Type	2 Wall and 2 Roof units			
		Manufacturer	Greenheck			
		Year Installed	2013			
364		Flow Meter	Rosemont Magmeter			
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	600'			
		Fence Type	6' cyclone w/ barbed wire			
		Year Installed				
354.3		Paving and Walkways				
371.3		**ODOR CONTROL**				
		Manufacturer	N/A			
		Type				
		MISCELLANEOUS				
		Other Buildings	Old Pump Bldg. - 20' x 20' Brick			
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The pump station was built in 2013 and is in excellent condition. The property is shared with the Police Department which includes their impoundment lot. The former pump station is used for storage, pumps and related equipment have been removed.						

P.S. 3 - AKA Wilburdale PS

Facility Description (see attached Information Sheet)

P.S. 3 is located at 101 Flat Rd. and is equipped with (2) 930-GPM submersible pumps. Wastewater is discharged through a 1935 LF, 10-inch PVC force main that ties into the existing sewage collection system at Manhole 1202 located on Flat Road by Sidley Road. The pump station was installed in 1979 and reconstructed 2017.

The pump wet well is precast concrete (12-ft dia. x appr. 18-ft deep) with 6-ft x 4.5-ft hatchway. There are (3) 4-inch gate valves, (2) 4-inch check valves within a (12.5-ft x 10-ft x 5-ft deep) valve box installed in 2017. The control panel is manufactured by Stacon.

The Building (15-ft x 13-ft) is constructed of concrete block and asphalt shingle roof in very good condition. The building contains outdoor walpacks lighting and 1 steel door.

The Generator is an MTU 4R0113DS50 50 KW unit with 185-gallon fuel tank. The Automatic Transfer Switch (ATS) is an ASCO 7000 series.

The property is not fenced.

Property Condition

The building is in very good condition, the roof is in very good condition.



Figure 1 – Facility Site



Figure 2 – Pump Station



Figure 3 – Pump Control Panel



Figure 4 – Generator

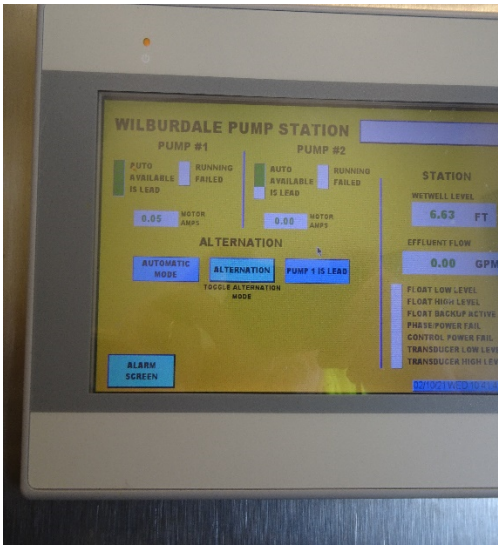


Figure 5 – Pump Control Interface


Figure 6 – Valve Chamber



Figure 7 – Automatic Transfer Switch


Figure 8 – Valve Chamber

PUMP STATION #		P.S. 3		**Scheduled Visit Date:**		2/10/2021
Station Name		Wilburdale				
Location		101 Flat Rd.				
Start Up Date		1979, Reconstructed 2017				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Very Good			
		No. of Pumps	2			
		Type	Submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	NP3153HT			
		Year Installed	2017			
		Pump GPM	930			
		Pump TDH Ft.				
		Outlet Size	4"			
		Motor HP	15			
		Motor Voltage	230			
371.3		Pump Control (VFD?)				
370.3		**WET WELL**				
		Condition				
		Size	2 dia. X appr. 18' Deep			
		Material	precast concrete			
		Lined				
		Hatch	6' x 4.5 '			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	Stacon			
		Year Installed	2017			
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**				
		Manufacturer	Davit Crane			
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	Gate	Check	valve box	
		Manufacturer	Valmatic	Valmatic		
		Size	4"	4"	12.5' x 10' x 5' D	
		#	3	2		includes hook up for portable pump
		Year Installed	2017			
355		**GENERATOR**				
		Manufacturer	MTU 4R0113DS50			4' x 4' exhaust lovers
		Generator KW	50			
		Generator KVA	620			
		Fuel Tank (Gals)	185			
355		ATS (manf/model #)	ASCO 7000			incl. Total Protection Service surge protector
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	10"			
		Force Main Mat.	PVC			
		Length in Feet	1935			
		Year Installed	2016			
		Discharge Point	MH 1202			
		Discharge Point Location	Flat Road by Sidley Road			

354.2		**BUILDING**				
		Condition	Very Good			
		Size	15' x 13'			
		Main Structure Material	concrete block			
		Roof Type	asphalt shingle			
		Roof Condition	Very Good			
		Doors (number /material)	1 - Steel			
		Lighting (Type)	outdoor walpacks			
		Year Installed				
		ELECTRICAL				
371.3		MCC	Amp Panel, 200 Amp Main			
396		Alarm System (manf/ model)	Sensaphone Sentinal			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition				
		Type	4' x 4' motorize louvers	Electric unit heaters	2' x 2' exhaut fan	
		Manufacturer		Q-Mark		
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length				
		Fence Type				
		Year Installed				
354.3		Paving and Walkways				
371.3		**ODOR CONTROL**				
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The facility was installed in 2017 and is in excellent condition.						

P.S. 4 - AKA Lee Boulevard PS

Facility Description (see attached Information Sheet)

P.S. 4 is located at 13 Lee Blvd and is equipped with (2) 470-GPM Submersible pumps. Wastewater is discharged through a 3310 LF, 8-inch DIP force main that ties into the existing sewage collection system at Manhole 1582 located on Yellow Spring Road at Lee Boulevard. The pump station was installed in 1987 and reconstructed 2007.

The pump wet well is precast concrete (9-ft diam. X 15-ft deep (est)) with 4.5-ft x 4.5-ft aluminum hatchway. There are (2) 6-inch check valves and (2) 6-inch gate valves. The control panel is manufactured by Flygt.

The Building (11.5-ft x 15.5-ft) is constructed of prefabricated masonry and asphalt shingle roof in good condition. The building contains Halogen wall pack lighting and 1 steel door.

The Generator is an Katolight D50FJJ4T2 50 KW unit with 140-gallon fuel tank. The Automatic Transfer Switch (ATS) is manufactured by ASCO.

The property is surrounded by a 115 LF 6-ft cyclone with barbed wire fence.

Property Condition

The building is in very good condition, the roof is in good condition.



Figure 1 – Facility Site



Figure 2 – Pump Station



Figure 3 – Pump Control Panel

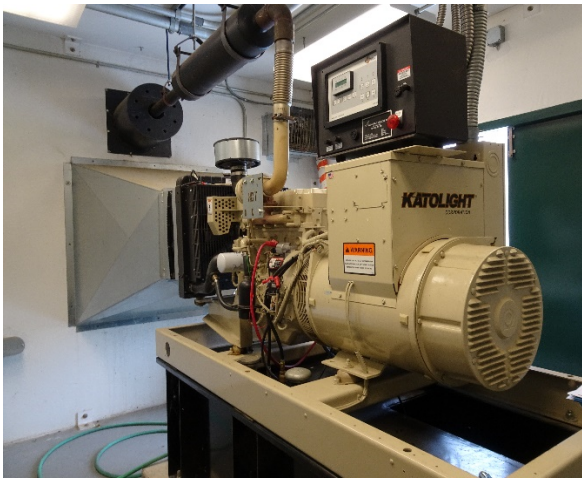


Figure 4 – Generator



Figure 5 – Pump Control Interface



Figure 6 – Valve Chamber



Figure 7 – Scada System Interface

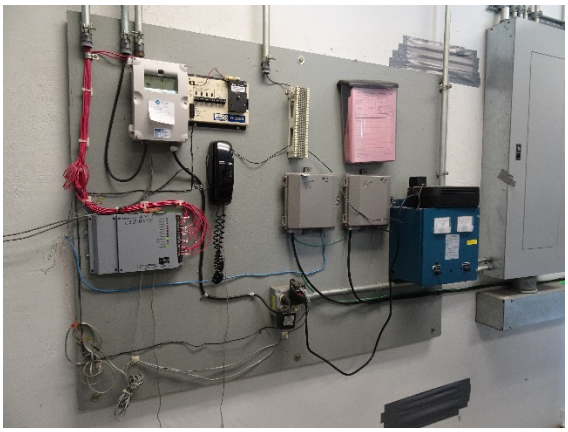


Figure 8 –Auto Dialer, flow readout and electrical panel

PUMP STATION #		P.S. 4		**Scheduled Visit Date:**		2/10/2021
Station Name		Lee Boulevard				
Location		13 Lee Blvd				
Start Up Date		1987, Reconstructed 2007				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Very Good			
		No. of Pumps	2			
		Type	Submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	CP3126			
		Year Installed	2007			
		Pump GPM	470			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	11			
		Motor Voltage	230			
371.3		Pump Control	Multitrode MT2PC			
370.3		**WET WELL**				
		Condition				
		Size	9' diam. X 15' deep (est)			
		Material	precast concrete			
		Lined				
		Hatch	4.5' x 4.5' aluminum			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed				
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**				
		Manufacturer	N/A			
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	Check	Gate		Meter pit - 7' diam, 6' deep
		Manufacturer	Mueller	Mueller		4' x 4' hatch
		Size	6"	6"		
		#	2	2		
		Year Installed				
355		**GENERATOR**				
		Manufacturer	Katolight D50FJJ4T2			
		Generator KW	50			80 HP
		Generator KVA	63			4' x 4' exhaust vent
		Fuel Tank (Gals)	140			
355		ATS (manf/model #)	ASCO			
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	8"			
		Force Main Mat.	DIP			
		Length in Feet	3310			
		Year Installed	1987			
		Discharge Point	MH 1582			
		Discharge Point Location	Yellow Spring Road at Lee Boulevard			

354.2		**BUILDING**				
		Condition	Very Good			
		Size	11.5 x 15.5			
		Main Structure Material	Pre-Fab Masonary			
		Roof Type	Asphalt Shingle			
		Roof Condition	Good			
		Doors (number /material)	1 - Steel			
		Lighting (Type)	Halogen wall packs			
		Year Installed				
		ELECTRICAL				
371.3		MCC	225 Amp panel			
396		Alarm System (manf/ model)	ACS Scadapack, Sensaphone 2000			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition				
		Type	5' x 4' Motorized louvers	18" x 18" exhaust fan		
		Manufacturer				
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	115'			
		Fence Type	cyclone w/ Barbed Wire			
		Year Installed				
354.3		Paving and Walkways				
371.3		**ODOR CONTROL**				
		Manufacturer	N/A			
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The pump equipment, building and generator are all in very good condition.						

P.S. 5 - AKA Meadowview PS

Facility Description (see attached Information Sheet)

P.S. 5 is located at 317 Swedesford Rd and is equipped with (2) 80-GPM submersible pumps. Wastewater is discharged through a 1245 LF, 4-inch ACP force main that ties into the existing sewage collection system at Manhole 822 located on Manor View Circle by Valley Creek Road. The pump station was installed in 1980.

The pump wet well is precast concrete (6-ft dia. x 12-ft deep) with 3-ft x 6-ft hatchway. There are (2) 4-inch check valves and (2) 4-inch plug valves. The control panel is custom manufactured.

The property is surrounded by a 112 LF chain link and wood stockade fence.

Property Condition

The facility is in fair condition.



Figure 1 – Facility Site



Figure 2 – Pump Station and Valve Chamber

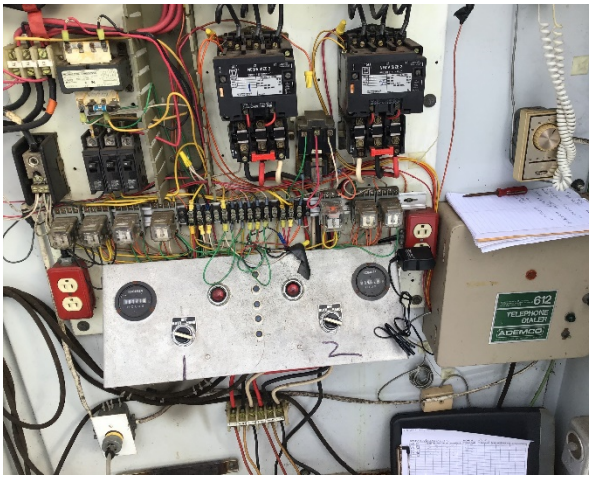


Figure 3 – Pump Control Panel



Figure 4 –Pump Wetwell

PUMP STATION #		P.S. 5		**Scheduled Visit Date:**		
Station Name		Meadowview				
Location		317 Swedesford Rd				
Start Up Date		1980				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Fair			
		No. of Pumps	2			
		Type	submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	CP3127			
		Year Installed	1980			
		Pump GPM	80			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	6.5			
		Motor Voltage	230			
371.3		Pump Control	floats			
370.3		**WET WELL**				
		Condition	good			
		Size	6' dia. X 12' deep			
		Material	precast concrete			
		Lined				
		Hatch	3' x 6'			steel double door
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	custom			
		Year Installed	1980			
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**	N/A			
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	check	Plug		pre-cast valve chamber
		Manufacturer				
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		**GENERATOR**	N/A			
		Manufacturer				
		Generator KW				
		Generator KVA				
		Fuel Tank (Gals)				
355		ATS (manf/model #)				
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	4"			
		Force Main Mat.	ACP			
		Length in Feet	1245			
		Year Installed	1980			
		Discharge Point	MH 822			
		Discharge Point Location	Manor View Circle by Valley Creek Road			

354.2		**BUILDING**	N/A			
		Condition				
		Size				
		Main Structure Material				
		Roof Type				
		Roof Condition				
		Doors (number /material)				
		Lighting (Type)				
		Year Installed				
		ELECTRICAL				
371.3		MCC	100 amp feed			In control panel
396		Alarm System (manf/ model)				
		Year Installed				
354.3		**HVAC**	N/A			
		Condition				
		Type				
		Manufacturer				
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	112'			
		Fence Type	chain link and wood stockade			
		Year Installed				
354.3		Paving and Walkways				
371.3		**ODOR CONTROL**	N/A			
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable	yes			
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
Overall condition of the facilites is fair.						

P.S. 6 - AKA Flat Road PS

Facility Description (see attached Information Sheet)

P.S. 6 is located at 601 Flat Rd and is equipped with (2) 275-GPM submersible pumps. Wastewater is discharged through a 1655 LF, 6-inch ACP force main that ties into the existing sewage collection system at Manhole 1323 located on Great Valley Parkway parallel to Flat Road. The original pump station was installed in 1979. In January of 2019 a sinkhole developed at the station. This required the station to be reconstructed at a new location. The new station went online in 2019. Components, such as the control panel and pumps (2002), were incorporated from the decommissioned Frame Avenue Pump Station.

The pump wet well is precast concrete (8-ft diam. x 16.85-ft deep) with a 3-ft x 4-ft hatchway. There are (2) 4-inch check valves and (2) 4-inch gate valves. The control panel is manufactured by Flygt. The facility has no generator.

The property is not fenced in.

Property Condition

The facility is in very good condition.



Figure 1 – Facility Site



Figure 2 – Pump Station Wetwell



Figure 3 – Pump Control Panel

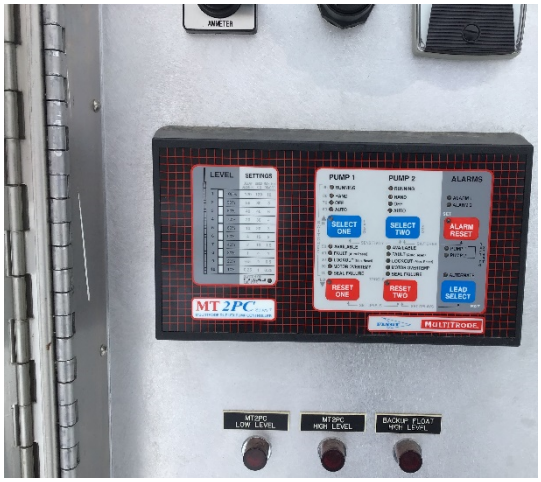


Figure 4 – Pump Control Interface



Figure 5 – MCC and Disconnects



Figure 6 – Valve Chamber



Figure 7 – Electrical Panel



Figure 8 –Auto Dialer

PUMP STATION #		P.S. 6		**Scheduled Visit Date:**		
Station Name		Flat Road				
Location		601 Flat Rd				
Start Up Date		Original construction in 1979, Reconstructed 2019				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Very good			
		No. of Pumps	2			
		Type	submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	NP 3153			
		Year Installed	2002			
		Pump GPM	275			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	18			
		Motor Voltage	230			
371.3		Pump Control (VFD?)	Flygt Multitrode			
370.3		**WET WELL**				
		Condition	Very good			
		Size	8-ft diam. x 16.85-ft deep			
		Material	precast concrete			
		Lined				
		Hatch	3-ft x 4-ft			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed	2002			
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**	N/A			
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	check	gate		4' x 4' concrete valve chamber
		Manufacturer				
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		**GENERATOR**	N/A			
		Manufacturer				
		Generator KW				
		Generator KVA				
		Fuel Tank (Gals)				
355		ATS (manf/model #)				
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	6"			
		Force Main Mat.	ACP			
		Length in Feet	1655			
		Year Installed	1979			
		Discharge Point	MH 1323			
		Discharge Point Location	Manor View Circle by Valley Creek Road			

354.2		**BUILDING**	N/A			
		Condition				
		Size				
		Main Structure Material				
		Roof Type				
		Roof Condition				
		Doors (number /material)				
		Lighting (Type)				
		Year Installed				
		ELECTRICAL				
371.3		MCC	200 Amp Panel	150 Amp sub		
396		Alarm System (manf/ model)	Sensaphone			
		Year Installed				
354.3		**HVAC**	N/A			
		Condition				
		Type				
		Manufacturer				
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length				
		Fence Type				
		Year Installed				
354.3		Paving and Walkways	asphalt paving			
371.3		**ODOR CONTROL**	N/A			
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
In January of 2019 a sinkhole developed at the station. This required the station to be reconstructed at a new location. The new station went online in 2019. Components, such as the control panel and pumps (2002), were incorporated from the decommissioned Frame Avenue Pump Station. All in very good condition.						

P.S. 7 - AKA Lapp Road PS

Facility Description (see attached Information Sheet)

P.S. 7 is located at 510 Lapp Rd and is equipped with (2) 315-GPM submersible pumps. Wastewater is discharged through a 3715 LF, 6-inch PVC force main that ties into the existing sewage collection system at Manhole 746 located on Valley Stream Parkway near Morehall Road. The pump station was installed in 1995 and upgraded in 2000.

The pump wet well is precast concrete (6-ft dia x 20-ft deep (est)) with 4-ft x 4-ft aluminum hatchway. There are (2) 4-inch check valves and (2) 4-inch gate valves. The control panel is manufactured by Flygt.

The Generator is an Onan DGDA-3384553 80 KW unit. The Automatic Transfer Switch (ATS) is an ASCO 300 series. The wet well is oversized to accommodate excess volume to compensate for the lack of a generator.

The property is surrounded by a 150 LF 60-ft chain link with barbed wire fence.

Property Condition

The facility is in fair condition.



Figure 1 – Facility Site



Figure 2 – Pump Station Wetwell



Figure 3 – Pump Control Panel and ATS

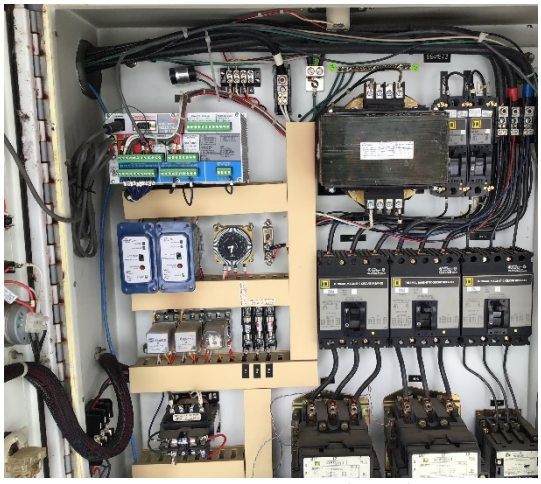


Figure 4 – Pump Control Panel



Figure 5 – Automatic Transfer Switch



Figure 6 – Valve Chamber



Figure 7 – Generator

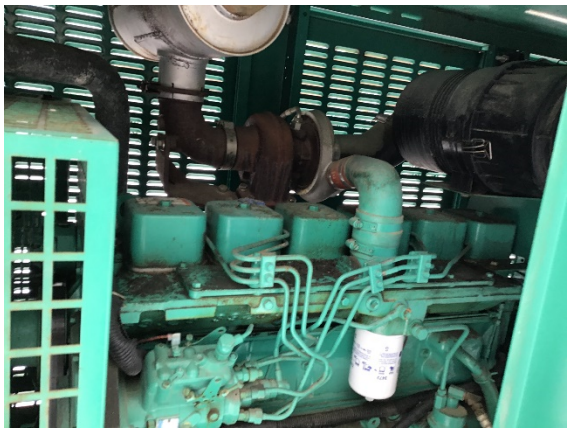


Figure 8 –Generator

PUMP STATION #		P.S. 7		**Scheduled Visit Date:**		
Station Name		Lapp Road				
Location		510 Lapp Rd				
Start Up Date		1987, upgraded in 2006				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Good			
		No. of Pumps	2			
		Type	submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	CP3152			
		Year Installed	2000			
		Pump GPM	315			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	23			
		Motor Voltage	230			
371.3		Pump Control (VFD?)	Flygt Multitrode			
370.3		**WET WELL**				
		Condition	fair			
		Size	6' dia x 20' deep (est)			
		Material	precast concrete			
		Lined				
		Hatch	4' x 4' alum			double door
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed	2006			upgraded
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**	N/A			
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	check	gate		
		Manufacturer				
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		**GENERATOR**				
		Manufacturer	Onan DGDA-3384553			
		Generator KW	80			
		Generator KVA	100			
		Fuel Tank (Gals)				
355		ATS (manf/model #)	ASCO 300			
		Year Installed	2000			
360		**FORCE MAIN**				
		Force Main Size	6"			
		Force Main Mat.	PVC			
		Length in Feet	3715			
		Year Installed	1987			
		Discharge Point	MH 746			
		Discharge Point Location	Valley Stream Parkway near Morehall Road			

354.2		**BUILDING**	N/A			
		Condition				
		Size				
		Main Structure Material				
		Roof Type				
		Roof Condition				
		Doors (number /material)				
		Lighting (Type)				
		Year Installed				
		ELECTRICAL				
371.3		MCC	100 amp Panel			
396		Alarm System (manf/ model)	Sensaphone 2000			
		Year Installed				
354.3		**HVAC**				
		Condition				
		Type				
		Manufacturer				
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	150'			
		Fence Type	6' - chain link with barb wire			
		Year Installed				
354.3		Paving and Walkways				
371.3		**ODOR CONTROL**	N/A			
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The overall facility condition is fair. Pump control panel was upgraded in 2006. Generator enclosure is rusting, generator is in good condition.						

P.S. 8 - AKA Westgate PS

Facility Description (see attached Information Sheet)

P.S. 8 is located at 331 Lancaster Ave and is equipped with (2) 700-GPM pumps. Wastewater is discharged through a 1620 LF, 8-in PVC force main that ties into the existing sewage collection system at Manhole 530 located on Lancaster Avenue near Maple Linden Lane. The pump station was installed in 1988 and upgraded in 2001.

The pump wet well is precast concrete (9-ft dia. x 12-ft deep) with aluminum 3-ft x 6-ft hatchway. There are (2) 6-inch check valves and (2) 6-inch gate valves. The control panel is manufactured by Flygt.

The Generator is an Onan DGEA 125 KW unit with integral fuel tank. The Automatic Transfer Switch (ATS) is manufactured by Onan.

The property is surrounded by a 150 LF 6-ft chain link with barbed wire fence.

Property Condition

The facility is in fair condition.



Figure 1 – Facility Site



Figure 2 – Pump Station Wetwell



Figure 3 – Pump Control Pane, Elec. Panel and ATS

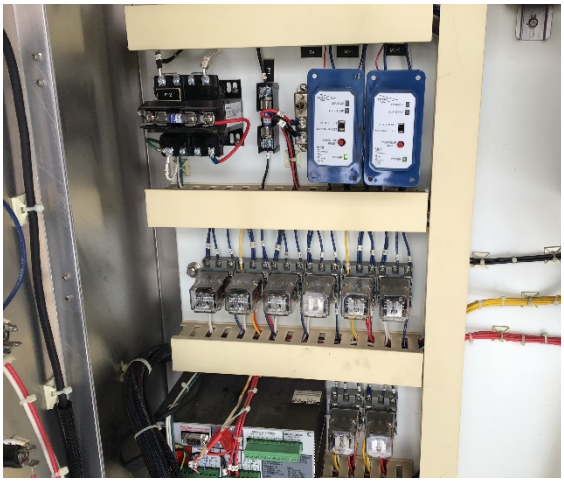


Figure 4 – Pump Control Panel

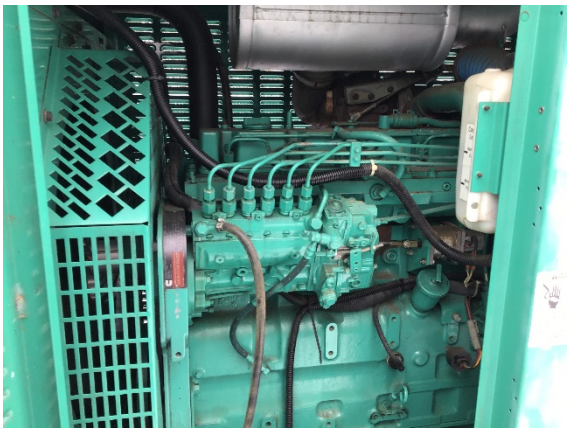


Figure 5 – Automatic Transfer Switch


Figure 6 – Valve Chamber



Figure 7 – Generator


Figure 8 –Generator

PUMP STATION #		P.S. 8		**Scheduled Visit Date:**		
Station Name		Westgate				
Location		331 Lancaster Ave				
Start Up Date		1988, Upgraded 2001				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition				
		No. of Pumps	2			
		Type				
		Pump Manufacturer	Flygt			
		Pump Model Number	CP3201, NP3171			
		Year Installed	2001			
		Pump GPM	700			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	30			
		Motor Voltage	230			
371.3		Pump Control	Multitrode			
370.3		**WET WELL**				
		Condition	fair			
		Size	9' dia. X 12' deep			
		Material	precast concrete			
		Lined				
		Hatch	aluminum 3' x 6'			double doors
		Vent				
		Rails				
		Cable				
		Piping	DIP			
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed	2000			
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material	PVC			
		Diameter				
371		**GRINDER**				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	check	gate		8' diam concrete chamber
		Manufacturer				
		Size	6"	6"		
		#	2	2		
		Year Installed	2000	2000		
355		**GENERATOR**				
		Manufacturer	Onan DGEA			
		Generator KW	125			
		Generator KVA	156			
		Fuel Tank (Gals)				
355		ATS (manf/model #)	Onan			
		Year Installed	2000			
360		**FORCE MAIN**				
		Force Main Size	8"			
		Force Main Mat.	PVC			
		Length in Feet	1620			
		Year Installed	1988			
		Discharge Point	MH 530			
		Discharge Point Location	Lancaster Avenue near Maple Linden Lane			

354.2		**BUILDING**				
		Condition	good			3-sided shed
		Size				
		Main Structure Material	wood			
		Roof Type	asphalt shingle			
		Roof Condition				
		Doors (number /material)				
		Lighting (Type)				
		Year Installed				
		ELECTRICAL				
371.3		MCC	250 Amp Panel			
396		Alarm System (manf/ model)				
		Year Installed				
354.3		**HVAC**	N/A			
		Condition				
		Type				
		Manufacturer				
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	150'			
		Fence Type	chain link with barb wire			
		Year Installed				
354.3		Paving and Walkways	asphalt drive, stone			
371.3		**ODOR CONTROL**	N/A			
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The facility is in fair condition.						

P.S. 11 - AKA Hillbrook Circle PS

Facility Description (see attached Information Sheet)

P.S. 11 is located at 379 Conestoga Rd and is equipped with (2) 295-GPM submersible pumps. Wastewater is discharged through a 785 LF, 4-inch PVC force main that ties into the existing sewage collection system at Manhole 985 located on Clover Mill Lane near Craig Lane. The pump station was installed in 2000.

The pump wet well is precast concrete (8-ft diam x 25-ft deep) with 3-ft x 5-ft alum hatchway. There are (2) 4-inch check valves and (2) 4-inch gate valves. The control panel is manufactured by Flygt.

The Building (12-ft x 15-ft) is constructed of concrete block and asphalt shingle roof in good condition. The building contains florescent lighting and 1 steel door.

The Generator is an Onan DGCA-5007330GS 50 KW unit. The Automatic Transfer Switch (ATS) is manufactured by Cummins.

The property is not fenced.

Property Condition

The overall facility is in good condition. The building is in very good condition and the roof is in good condition.



Figure 1 – Facility Site



Figure 2 – Pump Station Wetwell



Figure 3 – Pump Control Panel



Figure 4 – Pump Control Panel Interface



Figure 5 – Electrical Panel



Figure 6 – Valve Chamber

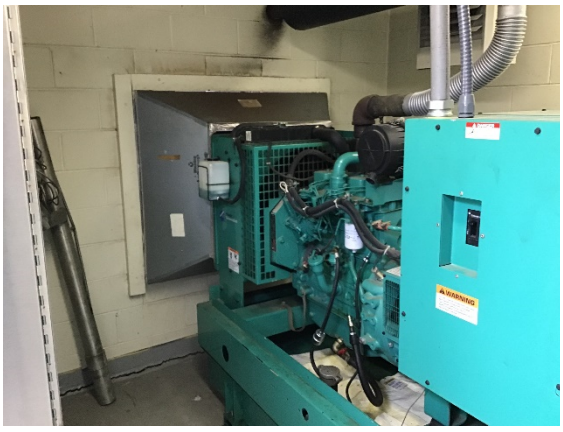


Figure 7 – Generator



Figure 8 –Automatic Transfer Switch

PUMP STATION #		P.S. 11		**Scheduled Visit Date:**		
Station Name		Hillbrook Circle				
Location		379 Conestoga Rd				
Start Up Date		2000				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	good			
		No. of Pumps	2			
		Type	submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	CP3127			
		Year Installed	2000			
		Pump GPM	295			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	10			
		Motor Voltage	230			
371.3		Pump Control	Multitrode			
370.3		**WET WELL**				
		Condition	good			
		Size	8' diam x 25' deep			
		Material	precast concrete			
		Lined				
		Hatch	3' x 5' alum			
		Vent				
		Rails				
		Cable				
		Piping	DIP			
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed	2000			
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	check	gate		6' dia concrete chamber
		Manufacturer	Clow	Clow		
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		**GENERATOR**				
		Manufacturer	Onan DGCA-5007330GS			
		Generator KW	50			
		Generator KVA	62			
		Fuel Tank (Gals)				
355		ATS (manf/model #)	Cummins			
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	4"			
		Force Main Mat.	PVC			
		Length in Feet	785			
		Year Installed	2000			
		Discharge Point	MH 985			
		Discharge Point Location	Clover Mill Lane near Craig Lane			

354.2		**BUILDING**				
		Condition	very good			
		Size	12' x 15			
		Main Structure Material	concrete block			
		Roof Type	asphalt shingle			
		Roof Condition	good			
		Doors (number /material)	1 - steel			
		Lighting (Type)	florescent			
		Year Installed				
		ELECTRICAL				
371.3		MCC	250 amp panel			
396		Alarm System (manf/ model)				**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition	4' x 4' louver			
		Type				
		Manufacturer				
		Year Installed				
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length				
		Fence Type				
		Year Installed				
354.3		Paving and Walkways	stone			
371.3		**ODOR CONTROL**	N/A			
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The overall facility is in good condition. The building is in very good condition and the roof is in good condition.						

P.S. 12 - AKA King Road PS

Facility Description (see attached Information Sheet)

P.S. 12 is located at 340 King Rd within an easement in Williston Township and is equipped with (2) 258-GPM Submersible pumps. Wastewater is discharged through a 2400 LF, 4-inch PVC force main that ties into the existing sewage collection system at Manhole 338 located on Amy Lane near W. King Road. The pump station was installed in 2004.

The pump wet well is precast concrete (7-ft diam. x 15-ft est) with 4-ft x 4.5-ft aluminum hatchway. There are (2) 4-inch check valves and (2) 4-inch gate valves. The control panel is manufactured by Flygt.

The Building (13-ft x 10-ft) is constructed of concrete block and asphalt shingle roof in good condition. The building contains halogen wall pack lighting and 1 steel door.

The Generator is an Onan DGHE-5636689B 50 KW unit with 145-gallon fuel tank. The Automatic Transfer Switch (ATS) is manufactured by Cummin Power Command.

The property is not fenced.

Property Condition

The building is in very good condition, the roof is in good condition and all HVAC systems are in good condition.



Figure 1 – Facility Site



Figure 2 – Pump Station Wetwell



Figure 3 – Pump Control Panel



Figure 4 – Pump Control Panel Interface



Figure 5 – Electrical Panel



Figure 6 – Valve Chamber



Figure 7 – Generator



Figure 8 –Automatic Transfer Switch

PUMP STATION #		P.S. 12		**Scheduled Visit Date:**		2/10/2021
Station Name		King Road				
Location		340 King Rd				
Start Up Date		2004				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition				
		No. of Pumps	2			
		Type	Submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	NP3102			
		Year Installed	2004			
		Pump GPM	258			
		Pump TDH Ft.				
		Outlet Size	4"			
		Motor HP	6.5			
		Motor Voltage	230			
371.3		Pump Control (VFD?)	Multitrode MT2PC			
370.3		**WET WELL**				
		Condition	good			
		Size	7' diam. X 15' est			
		Material	precast concrete			
		Lined				
		Hatch	4' x 4.5 ' aluminum			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed				
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**				
		Manufacturer	N/A			
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	check	gate		Crispen air release valve
		Manufacturer				
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		**GENERATOR**				
		Manufacturer	Onan DGHE-5636689B			30" x 30" exhaust louvers
		Generator KW	50			
		Generator KVA	63			
		Fuel Tank (Gals)	145			
355		ATS (manf/model #)	Cummin Power Command			
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	4"			
		Force Main Mat.	PVC			
		Length in Feet	2400			
		Year Installed	2004			
		Discharge Point	MH 338			
		Discharge Point Location	Amy Lane near W. King Road			

354.2		**BUILDING**				
		Condition	Very Good			
		Size	13' x 10'			
		Main Structure Material	concrete block			
		Roof Type	asphalt shingle			
		Roof Condition	good			
		Doors (number /material)	1 - steel			
		Lighting (Type)	halogen wall pack	LED on stanchion		
		Year Installed				
		ELECTRICAL				
371.3		MCC	225 Amp Panel			
396		Alarm System (manf/ model)	Sensaphone 2000			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition	good			
		Type	5.5' x 3' motorized louver			
		Manufacturer				
		Year Installed	2004			
364		Flow Meter				
364		Chart Recorder				
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length				
		Fence Type				
		Year Installed				
354.3		Paving and Walkways	asphalt driveway			
371.3		**ODOR CONTROL**				
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The overall facility was in very good condition. The roof was in good condition.						

P.S. 13 - AKA Malvern Hunt PS

Facility Description (see attached Information Sheet)

P.S. 13 is located at 30 Corbin Dr and is equipped with (2) 300-GPM submersible pumps. Wastewater is discharged through a 2860 LF, 6-inch DIP force main that ties into the existing sewage collection system at Manhole 101 located on Chester Valley Trail near Swedesford Road. The pump station was installed in 2000.

The pump wet well is precast concrete (9-ft dia. x 15-ft deep (est)) with 7.5-ft x 6-ft aluminum hatchway. The control panel is manufactured by Flygt. There are (2) 6-inch check valves and (2) 6-inch gate valves. The influent line to the wet well contains a 3 HP Muffin Monster.

The Building (14-ft x 16-ft) is constructed of concrete block with stucco and asphalt shingle roof in very good condition. The building contains halogen wall pack lighting and 1 steel door.

The Generator is an Katolight D50FJJ4 50 KW unit with 150-gallon fuel tank. The Automatic Transfer Switch (ATS) is manufactured by Katolight.

The property is surrounded by a 200 LF 6-ft cyclone fence. This facility also has a chemical dosing system, which contains 100-gallon tank and LMI Dosing pump. The chemical dosing system is not currently in use, and is held for future use.

Property Condition

The building is in fair condition, the roof is in very good condition and all HVAC systems are in very good condition.



Figure 1 – Facility Site



Figure 2 – Pump Station Wetwell



Figure 3 – Pump Control Panel



Figure 4 – Grinder Control Panel



Figure 5 – Electrical Panel



Figure 6 – Valve Chamber



Figure 7 – Generator

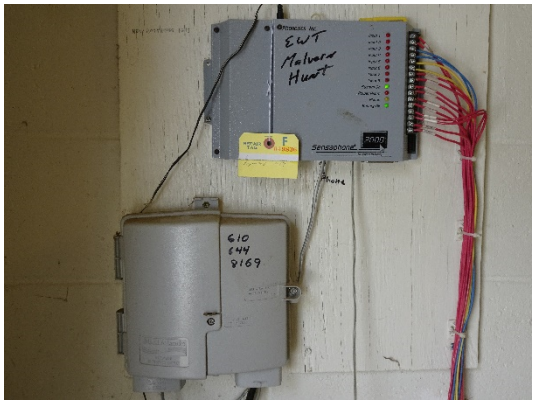


Figure 8 –Auto Dialer



Figure 9 – Flowmeter readout


Figure 10 – Flow Meter


Figure 11 – Chemical Dosing System (abandoned)


Figure 12 –Old Grinder (to be replaced)

PUMP STATION #		P.S. 13		**Scheduled Visit Date:**		2/10/2021
Station Name		Malvern Hunt				
Location		30 Corbin Dr				
Start Up Date		2000				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Fair			
		No. of Pumps	2			
		Type	submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	CP3127			
		Year Installed	2000?			
		Pump GPM	300			
		Pump TDH Ft.				
		Outlet Size				
		Motor HP	7.5			
		Motor Voltage	230			
371.3		Pump Control	level probe			
370.3		**WET WELL**				
		Condition	Good			
		Size	9' dia. X 15' deep (est)			
		Material	precast concrete			
		Lined				
		Hatch	7.5' x 6' aluminum			
		Vent				
		Rails	galv. Steel			showing rust
		Cable				
		Piping	DIP			
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt			
		Year Installed				
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer	Muffin Monster			new grinder on order
		Model/Serial number				
		HP	3			
		Year Installed	2021			
371		**CRAIN/HOIST**				
		Manufacturer	Davit Crane			
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	Check	Gate		chamber - 7' x 7' x 6' deep
		Manufacturer	Clow	Clow		4' x 4' aluminum hatch
		Size	6"	6"		
		#	2	2		
		Year Installed				
355		**GENERATOR**				
		Manufacturer	Katolight D50FJJ4			4' x 4' exhaust louvers
		Generator KW	50			
		Generator KVA	62			
		Fuel Tank (Gals)	150			
355		ATS (manf/model #)	Katolight			
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	6"			
		Force Main Mat.	DIP			
		Length in Feet	2860			
		Year Installed	2000			
		Discharge Point	MH 101			
		Discharge Point Location	Chester Valley Trail near Swedesford Road			

354.2		**BUILDING**				
		Condition	Very Good			
		Size	14' x 16'			
		Main Structure Material	Conc. Block w/ stucco			
		Roof Type	asphalt shingle			
		Roof Condition	Very Good			
		Doors (number /material)	1 - steel			
		Lighting (Type)	halogen wall packs			
		Year Installed				
		ELECTRICAL				
371.3		MCC	225 amp panel			
396		Alarm System (manf/ model)	Sensaphone 2000			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition	Very Good	good		
		Type	5' x 5' grav. Louvers	elec. unit heater		
		Manufacturer				
		Year Installed				
364		Flow Meter	Rosemount Magmeter			
364		Chart Recorder	rosemount totalizer			
354.3		Hydrants				
		GROUNDS				
354.3		Fence Length	200'			
		Fence Type	6' cyclone			
		Year Installed				
354.3		Paving and Walkways				
371.3		**ODOR CONTROL**				
		Manufacturer		LMI		
		Type	100 gallon tank	dosing pump		
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				

OVERALL BUILDING AND FACILITY ASSESSMENT

The building, generator and control panels are all in fair condition. The pump station guide rails and some support bracket have begun to rust.

P.S. 14 - AKA Planebrook Road PS

Facility Description (see attached Information Sheet)

P.S. 14 is located at 170 Cricket Drive and is equipped with (2) 390-GPM submersible pumps. Wastewater is discharged through a 2545 LF, 8-inch PVC force main that ties into the existing sewage collection system at Manhole 113 located on Phoenixville Pike at Chester Valley Trail. The pump station was installed in 2018.

The pump wet well is precast concrete (9-ft dia. x 18-ft Deep) with 6-ft x 6-ft aluminum hatchway. There are (2) 4-inch check valves and (6) 4-inch gate valves. The control panel is manufactured by Flygt/Stacon.

The Building (12.5-ft x 15.5-ft) is constructed of Concrete Block and asphalt shingle roof in very good condition. The building contains LED wall pack lighting and 1 steel door.

The Generator is an MTU4R0113 DS50 50 KW unit with 185-gallon fuel tank. The Automatic Transfer Switch (ATS) is an ASCO 7000 series.

The property is surrounded by a 225 LF 6-ft cyclone fence.

Property Condition

The building is in very good condition, the roof is in very good condition and all HVAC systems are in good condition.



Figure 1 – Facility Site



Figure 2 – Facility Site



Figure 3 – Pump Station



Figure 4 – Pump Station Wetwell



Figure 5 – Pump Control Panel



Figure 6 – Valve Chamber



Figure 7 – Valve Chamber

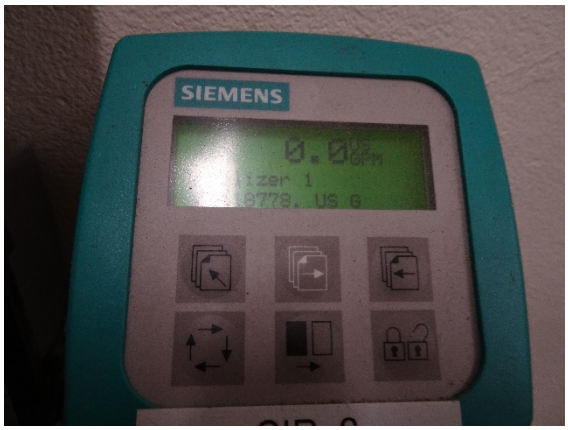


Figure 8 –Flow Meter Totalizer



Figure 9 - Generator



Figure 10 – Automatic Transfer Switch



Figure 11 – MCC and Disconnects



Figure 12 –Auto Dialer System)

PUMP STATION #		P.S. 14		**Scheduled Visit Date:**		2/10/2021
Station Name		Planebrook	Phone #			
Location		170 Cricket Drive				
Start Up Date		2018				
CODE	**SUBCODE**	**PUMP STATION**				**COMMENTS**
371.3		**PUMP(S)**				
371.3		Condition	Very Good			
		No. of Pumps	2			
		Type	Submersible			
		Pump Manufacturer	Flygt			
		Pump Model Number	NP 3127			
		Year Installed	2018			
		Pump GPM	390			
		Pump TDH Ft.	45			
		Outlet Size	4"			
		Motor HP	10			
		Motor Voltage	230			
371.3		Pump Control	Flygt Multitrode MT2PC			
370.3		**WET WELL**				
		Condition	Very Good			
		Size	9' dia. X 18' Deep			
		Material	Precast Concrete			
		Lined				
		Hatch	6' x 6' aluminum			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		**CONTROL PANEL**				
		Manufacturer	Flygt/Stacon			
		Year Installed				
		Model/Serial number				
361		**INFLUENT PIPING (IF KNOWN)**				
		Material				
		Diameter				
371		**GRINDER**				
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		**CRAIN/HOIST**				
		Manufacturer	Thern Davit crane			
		Model/Serial number				
		Year Installed				
360		**VALVES (DISCHARGE)**				
		Type	Check	Gate		Valve chamber - 7' x 17' x 6' deep
		Manufacturer	APCO	APCO		Hatches - 3' x 3', 4' x 4'
		Size	4"	4"		
		#	2	6		Includes emergency connection
		Year Installed				for portable pump
355		**GENERATOR**				
		Manufacturer	MTU4R0113 DS50			4' x 4' exhaust hood
		Generator KW	50			
		Generator KVA	62			
		Fuel Tank (Gals)	185			
355		ATS (manf/model #)	ASCO 7000			
		Year Installed				
360		**FORCE MAIN**				
		Force Main Size	8"			
		Force Main Mat.	PVC			
		Length in Feet	2545			
		Year Installed	2018			
		Discharge Point	MH 113			
		Discharge Point Location	Phoenixville Pike at Chester Valley Trail			

354.2		**BUILDING**				
		Condition	Very Good			
		Size	12.5' x 15.5'			
		Main Structure Material	Concrete Block			
		Roof Type	asphalt shingle			
		Roof Condition	Very Good			
		Doors (number /material)	1 - steel			
		Lighting (Type)	LED wall Packs			
		Year Installed				
		ELECTRICAL				
371.3		MCC	?????	50 amp panel		
396		Alarm System (manf/ model)	Sensaphone Sentinal			**COMMENTS**
		Year Installed				
354.3		**HVAC**				
		Condition				
		Type	4' x 4' Motorize louvers	Electric unit heater	12" x 12" exhaust fan	
		Manufacturer			Qmark	
		Year Installed				
364		Flow Meter	E&H magmeter			
364		Chart Recorder	Seimens Totalizer			
354.3		Hydrants	1 - yard			
		GROUNDS				
354.3		Fence Length	225'			
		Fence Type	6' cyclone			
		Year Installed				
354.3		Paving and Walkways	asphalt drive			
371.3		**ODOR CONTROL**				
		Manufacturer				
		Type				
		MISCELLANEOUS				
		Other Buildings				
		Spare Parts	**DESCRIPTION OF FACILITY**			
		Vac Truck Suitable				
		Spare Parts				
		Vac Truck Suitable				
OVERALL BUILDING AND FACILITY ASSESSMENT						
The facility was built in 2018, all components are in very good condition.						

4.2. COLLECTION SYSTEM

East Whiteland Township owns the collection system identified within this report. There are also privately owned systems within the Township that connect to the Township system. collection system generally consists of 8-inch to 36-inch gravity piping and laterals within the right of way. A map of the collection system can be found in Appendix A, Figure A1. Related cost data for the collection system can be found in Section 8 under account codes 361.21, 361.23, and 360.21.

4.3. METER PITS

A total of eleven (11) meter pits measure flow to/from the Township. However, East Whiteland Township only owns the following three (3):

- Erin Glen Meter located within the vicinity of Kerry lane and Iris way adjacent to Malvern Borough.
- Woodview Apartments Meter located within the East Whiteland Township portion of the apartment complex at the southeast corner of the Township.
- Mathews Road meter located on the border with Tredyffrin Township at the southeast corner of the Township.

All other meters are owned and operated by other municipalities or the Valley Forge Sewer Authority.



Figure 1 – Erin Glen Meter Pit



Figure 2 – Erin Glen Meter Pit

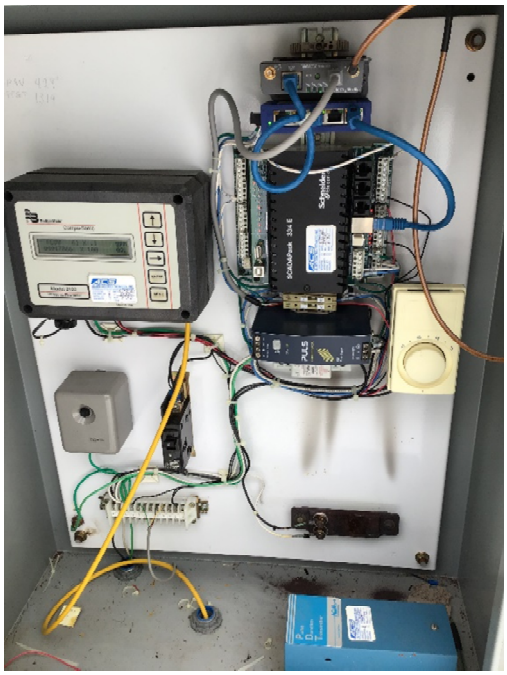


Figure 3 – Erin Glen Meter Pit



Figure 4 –Matthews Road Meter Pit



Figure 5 –Matthews Road Meter Pit



Figure 6 – Woodview Apartment Facility Site



Figure 7 – Woodview Apartment Flow Totalizer and SCADA Unit



Figure 8 – Woodview Apartment Meter Chamber

5. OWNED PROPERTY & EASEMENTS OF VALUE

Property that was directly purchased by the Township and easements acquired are listed in Section 8 – "List of Assets and Costs". The value of said easements are listed with a purchase price of $1 and included in the original purchase price of the facilities listed in Section 8 – "List of Assets and Costs", Accounts 353.20 and 353.30.

6. REGULATORY REQUIREMENTS

3800-PM-WSFR0015 1/2011
Permit

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT

PERMIT NO. 1599418

AMENDMENT NO. _____

APS ID. 916602

AUTH. ID. 1139890

A. PERMITTEE (Name and Address): CLIENT ID#: **78789** **East Whiteland Township** **209 Conestoga Road** **Frazer, PA 19355**	B. PROJECT/FACILITY (Name): **Malvern Hunt WWTP**
C. LOCATION (Municipality, County): **East Whiteland Township, Chester County**	SITE ID#: **527339**

D. THIS PERMIT APPROVES THE OPERATION OF SEWAGE FACILITIES CONSISTING OF:

The Malvern Hunt Pump Station with comminutor, an influent bar screen, a two sell aerated treatment lagoon, a storage lagoon, a chlorine disinfection system, and spray fields.

Pump Stations: _____	Manure Storage:	Sewage Treatment Facility:		
Design Capacity: _____ GPM	Volume: _____ MG	Annual Average Flow:	**0.105**	MGD
	Freeboard: _____ inches	Design Hydraulic Capacity:	**0.128**	MGD
		Design Organic Capacity:	**222**	lb/day

E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. **Permit Renewal:** All operations and procedures shall be in accordance with the Water Quality Management Permit application dated **5/23/2016**, its supporting documentation and addendums dated _____, which are hereby made a part of this permit.

   Amendments: All construction, operations and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated _____ and its supporting documentation and addendums dated _____, which are hereby made a part of this amendment.

   Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. _____ dated _____ shall remain in effect.

   Transfers: Water Quality Management Permit No. _____ dated _____ and conditions, supporting documentation and addendums are also made part of this transfer.

2. Permit Conditions Relating to Sewerage are attached and made part of this permit.
3. Special Conditions **1 through XVII** are attached and made part of this permit.

F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.
2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.
3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 *et seq.* Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

PERMIT ISSUED: November 21, 2016

BY: _____

TITLE: **Jenifer L. Fields, P.E.**
Clean Water Program Manager
Southeast Regional Office

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SPECIAL CONDITIONS

Water Quality Management Permit No. 1599418

Malvern Hunt WWTP

East Whiteland Township, Chester County

I. Discharge Limitations and Monitoring Requirements

Effluent from the sewage treatment plant shall be sampled at a point after chlorination and shall be limited at all times as follows:

	Discharge Limitations (mg/l)			Monitoring Requirements	
Parameter	Average Monthly	Average Weekly	Instantaneous Maximum	Measurement Frequency	Sample Type
Influent Flow (mgd)	0.105			Continuous	Recorded
$CBOD_5$	25		50	1/Month	Grab
Suspended Solids	30		60	1/Month	Grab
Fecal Coliform	200/100 ml as geometric average			1/Month	Grab
pH	Within limits of 6.0 to 9.0 standard units at all times			1/Month	Grab

Additional treatment requirements include the satisfactory disposal of sludge and the reduction of quantities of oils, greases, acids, alkalis, toxic, taste and odor producing substances, inimical to the public interest to levels which will not pollute the receiving waters.

Monitoring results shall be reported monthly on the Discharge Monitoring Report (DMR). The term "grab" sample means an individual sample collected in less than 15 minutes. Samples and measurements taken as required, herein, shall be representative of the volume and nature of the monitored discharge.

II. Copies of monthly Discharge Monitoring Reports must be submitted within 28 days of the end of the monitoring period to:

Department of Environmental Protection
Southeast Regional Office
Water Management
2 East Main Street
Norristown, PA 19401

III. Groundwater Monitoring Requirements

The permittee shall effectively monitor the quality of the groundwater. The parameters to be tested, and frequency of analysis and other monitoring requirements shall be as follows:

A. Quarterly analysis of groundwater sampled at groundwater monitoring wells **MW-L1, MW-L2, MW-L3, MW-S1, MW-S2, MW-S3, MW-S6, MW-S7, and MW-S8,** shall consist of: static water level, sampling depth, turbidity, pH, chloride, total phosphorus, ammonia nitrogen, nitrate nitrogen, nitrite nitrogen, total dissolved solids, fecal coliform, and alkalinity.

B. Groundwater elevations must be measured prior to purging the groundwater monitoring well.

C. Before collection of the groundwater sample, a groundwater monitoring well shall be properly purged and allowed to recover to at least 90 percent of the well volume that was present prior to purging.

D. All groundwater samples shall be collected from within the top five feet of the water elevation within the well column.

IV. Groundwater Monitoring Data Reporting Requirements

All groundwater data shall be submitted to DEP **annually** and be in **report form.** The report shall be due to DEP within 28 days of the end of the month of permit issuance. For example, if your permit was issued on March 4th, then your annual report is due by April 28th. The annual report shall be mailed under separate cover and addressed to:

Department of Environmental Protection
Southeast Regional Office
Water Management Program
2 East Main Street
Norristown, PA 19401

Attention: Hydrogeologist
Planning Section

V. The annual groundwater monitoring report shall include the following information:

A. General Information

i. Facility name
ii. Facility permit number
iii. Facility location (including municipality and county)
iv. Facility contact information:

a. permittee name, address, and telephone number
b. contact name and title
c. facility operator name, address, and telephone number
d. facility consultant name, address, and telephone number

B. Site Data

i. A brief narrative that provides the date and description of any facility event which may have impacted any part of the groundwater monitoring program. (e.g., collapse of groundwater monitoring well, etc.).

ii. Average effluent flow for the year covered by this report.

iii. In tabular form, the following information needs to be provided for at least the last 5 years of system operation:

a. Date of sampling
b. Groundwater elevations
c. Sampling depth
d. Identification of upgradient and downgradient wells
e. The results of the analysis of the samples

iii. Background groundwater data generated prior to system start-up. **This information is absolutely needed and needs to be included in the data tabulation.**

C. Comprehensive Groundwater Evaluation (CGE)

As part of the facility's 5-year permit renewal application, the permittee shall submit a report that is a result of a comprehensive evaluation of the systems impact on groundwater. A Registered P.G. must identify any trends which may pose a threat to human health or certify that none are present. Should adverse impacts to groundwater be identified, the permittee needs to recommend actions to address the potential threat.

D. **Groundwater Background Report**

Within 60 days of system start up, or upon issuance of permit renewal a Groundwater Background Report shall be submitted to DEP. The report shall include the follow information:

i. Site Information

a. Brief narrative, including site limitations.
b. Soil type and bedrock lithology beneath the absorption areas.
c. Site drawings showing general location of absorption fields and monitoring wells. Drawings must show site topography.

ii. Construction details of each groundwater monitoring well shall include:

a. Well depth.
b. Casing depth.
c. Static water levels.
d. Surface elevation.
e. Well log.
f. Water bearing zones.
g. Top of casing elevation.
h. Ground surface elevation.

VI. Unless, otherwise, specified in this permit, the test procedures for analysis of pollutants shall be those contained in 40 C.F.R. Part 136, or alternative test procedures approved pursuant to that Part. For the analysis of CBOD5, consult Section 507 of Standard Methods.

VII. Effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration neither greater than 200/100 ml of Fecal Coliform organisms, as a geometric average value nor greater than 1000/100 ml of these organisms in a more than 10 percent of the samples tested.

VIII. If the permittee monitors any pollutant more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

IX. The authorization to discharge contained in Section D of this permit shall expire in five years from the date of issuance, or reissuance. Application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date). In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal. The application for renewal shall be submitted on the appropriate Water Quality Management Part II Application forms and shall include a tabulated summary of all groundwater monitoring data for the previous five years, including a discussion of groundwater quality trends resulting from this discharge.

X. Sprayfield Weekly Maximum Hydraulic Loadings

A. Effluent flows to each sprayfield must be consistent with the maximum hydraulic loading requirements of the following tables, which provide the weekly maximum gallons for each irrigation zone.

MAXIMUM WEEKLY SPRAYFIELD HYDRAULIC LOADINGS IN GALLONS

Spray Zone 1 6.16 Acres Woods		
Month	Inches/Acre/Week	Maximum/Week Gallons
January	0.50	83,671
February	0.50	83,671
March	1.27	212,539
April	1.50	251,020
May	2.00	334,691
June	2.50	418,369
July	2.50	418,369
August	2.50	418,369
September	2.50	418,369
October	1.55	259,410
November	1.16	194,126
December	0.50	83,671

Spray Zone 2 6.19 Acres Woods		
Month	Inches/Acre/Week	Maximum/Week Gallons
January	0.50	84,079
February	0.50	84,079
March	1.27	213,574
April	1.50	252,243
May	2.00	336,321
June	2.50	420,406
July	2.50	420,406
August	2.50	420,406
September	2.50	420,406
October	1.55	260,673
November	1.16	195,072
December	0.50	84,079

Spray Zone 3 6.15 Acres Woods		
Month	Inches/Acre/Week	Maximum/Week Gallons
January	0.50	83,536
February	0.50	83,536
March	1.27	212,194
April	1.50	250,613
May	2.00	334,148
June	2.50	417,690
July	2.50	417,690
August	2.50	417,690
September	2.50	417,690
October	1.55	258,989
November	1.16	193,811
December	0.50	83,536

B. The permittee shall include with the monthly Discharge Monitoring Report a Supplemental Land Application System Form 3800-FM-BPNPSM0449 that indicates the gallons per day discharged to the spray irrigation zones.

C. Spray irrigation events shall consist of simultaneous operation of two zones with one zone left off for a week-long resting period. All zones shall be rested each month.

D. Application of the effluent shall be managed to prevent runoff from the permitted spray fields and ponding of effluent.

E. No irrigation is to occur on frozen soils.

F. No irrigation is to occur if more than 0.5 inches of rainfall has fallen during the previous 24 hours.

G. The operator is to assess soil moisture content and soil/vegetation conditions frequently. It is the operator's responsibility to inspect the fields on a routine basis to prevent and/or address damage to the irrigation fields.

H. The spray fields shall be maintained to ensure that vegetation does not interfere with or impair proper operation of the spray heads.

I. Fallen trees in wooded spray fields are required to be removed. All work must be conducted during dry or frozen soil conditions to prevent damage to the soil.

XI. At all times, the wastewater level in the storage lagoon shall be managed within the low and high water level parameters as designed. The water level shall be controlled so that a freeboard of at least 24 inches is maintained at all times. The Department must be notified if the water level is anticipated to enter freeboard.

XII. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place, date, and time of sampling or measurement.
B. The person(s) who performed the sampling or measurement.
C. The dates the analyses were performed.
D. The person(s) who performed the analyses.
E. The analytical techniques or methods used.
F. The results of such analyses.

XIII. Recordkeeping and Retention

The permittee shall keep records of operation and efficiency of the wastewater treatment facilities. All records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years. The three-year period shall be extended as requested by the Department.

XIV. The facility shall be operated under the charge of a responsible operator(s) certified under the Pennsylvania Water and Wastewater Systems Operations Certification Act (Act 11). The operator(s) shall comply with the continuing education requirements required under the regulations and guidelines related to Act 11.

XV. Laboratory Certification

Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of act 90 of 2002 (27 Pa. Code C.S. §§ 4101-4113) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation. An environmental laboratory is any facility engaged in the testing or analysis of environmental samples required by a statute administered by the Department relating to the protection of the environment or of public health, safety, and welfare.

XVI. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Stream Law, the permittee shall allow authorized representatives of Department of Environmental Protection upon the presentation of credentials and other documents as may be required by law:

A. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

B. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

C. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.

D. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or The Clean Streams Law, any substances or parameters at any location.

XVII. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.

7. OPERATING EXPENSES

FOR 2021 03

ACCOUNTS FOR: 08 Sewer Fund		ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
08341 Interest								
08341 34101	Interest Earnings	-12,000	0	-12,000	-311.58	.00	-11,688.42	2.6%
TOTAL Interest		-12,000	0	-12,000	-311.58	.00	-11,688.42	2.6%
08364 Sewer Dept. Earning								
08364 36400	Sewer Rents - Other	-210,000	0	-210,000	-57,646.00	.00	-152,354.00	27.5%
08364 36411	Sewer Connection Fe	-35,000	0	-35,000	-5,400.00	.00	-29,600.00	15.4%
08364 36412	Sewer Rents	-3,703,000	0	-3,703,000	-926,446.40	.00	-2,776,553.60	25.0%
TOTAL Sewer Dept. Earning		-3,948,000	0	-3,948,000	-989,492.40	.00	-2,958,507.60	25.1%
08380 Miscellaneous Revenue								
08380 36244	Sewer Certification	-5,000	0	-5,000	-1,075.00	.00	-3,925.00	21.5%
08380 38003	Refund from VFSA	-375,000	0	-375,000	.00	.00	-375,000.00	.0%
TOTAL Miscellaneous Revenue		-380,000	0	-380,000	-1,075.00	.00	-378,925.00	.3%
08429 Sewer Dept. Expenses								
08429 13000	Wages - Sewer Maint	500,000	0	500,000	30,796.13	.00	469,203.87	6.2%
08429 15300	Disability Insuranc	3,000	0	3,000	778.35	.00	2,221.65	25.9%
08429 15600	Medical Insurance	119,000	0	119,000	37,746.82	.00	81,253.18	31.7%
08429 15650	Retiree Benefits (O	17,000	0	17,000	4,343.43	.00	12,656.57	25.5%
08429 15700	Drug & Alcohol and	525	0	525	.00	.00	525.00	.0%
08429 15800	Life Insurance	2,325	0	2,325	466.98	.00	1,858.02	20.1%
08429 16000	Pension/Retirement	158,000	0	158,000	.00	.00	158,000.00	.0%
08429 16100	FICA (Soc. Sec.) &	39,000	0	39,000	2,355.92	.00	36,644.08	6.0%
08429 17000	Vacation Payout	2,500	0	2,500	.00	.00	2,500.00	.0%
08429 18200	Longevity Pay	7,358	0	7,358	.00	.00	7,358.00	.0%
08429 18300	Overtime	15,000	0	15,000	.00	.00	15,000.00	.0%
08429 20000	Material & Supplies	4,000	0	4,000	.00	.00	4,000.00	.0%
08429 21300	Small Items of Equi	5,000	0	5,000	.00	.00	5,000.00	.0%

FOR 2021 03

ACCOUNTS FOR: 08 Sewer Fund		ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
08429 23000	Utilities - Pump St	91,200	0	91,200	19,724.36	.00	71,475.64	21.6%
08429 23100	Vehicle Fuel	10,000	0	10,000	1,078.36	.00	8,921.64	10.8%
08429 23800	Uniforms	3,800	0	3,800	273.06	.00	3,526.94	7.2%
08429 31100	Financial Services	9,000	0	9,000	662.50	.00	8,337.50	7.4%
08429 31300	Twp. Engineering Se	55,000	0	55,000	2,364.33	.00	52,635.67	4.3%
08429 31400	Legal Services	15,000	0	15,000	1,102.50	.00	13,897.50	7.4%
08429 31900	Computer Serv. / Da	27,250	0	27,250	92.99	.00	27,157.01	.3%
08429 32100	Telephone (incl. Mo	15,500	0	15,500	2,562.11	.00	12,937.89	16.5%
08429 32500	Postage & Courier	7,500	0	7,500	.00	.00	7,500.00	.0%
08429 33100	Training, Conferenc	2,500	0	2,500	.00	.00	2,500.00	.0%
08429 34000	Advertising, Printi	4,000	0	4,000	75.00	.00	3,925.00	1.9%
08429 35200	Insurance - Liabili	34,000	0	34,000	8,341.30	.00	25,658.70	24.5%
08429 35400	Worker's Comp Insur	8,000	0	8,000	1,715.40	.00	6,284.60	21.4%
08429 37000	Office Equipment Ma	1,200	0	1,200	.00	.00	1,200.00	.0%
08429 37100	Sewer System - Main	121,920	0	121,920	17,795.24	7,894.39	96,230.37	21.1%
08429 37200	Road Maintenance &	1,000	0	1,000	.00	.00	1,000.00	.0%
08429 37300	Pump Stations - Mai	76,000	0	76,000	6,795.17	14,999.93	54,204.90	28.7%
08429 37400	Equipment - Maint.	700	0	700	.00	.00	700.00	.0%
08429 37500	Vehicle - Maint. &	6,000	0	6,000	1,555.71	.00	4,444.29	25.9%
08429 38500	Sewer Rentals - Oth	1,760,000	0	1,760,000	441,744.07	.00	1,318,255.93	25.1%
TOTAL Sewer Dept. Expenses		3,122,278	0	3,122,278	582,369.73	22,894.32	2,517,013.95	19.4%
08470 Debt - Sewer Dept.								
08470 25522	GOB 2013 Bond - Pri	50,000	0	50,000	.00	.00	50,000.00	.0%
08470 25523	GOB 2012 A Bond - P	350,000	0	350,000	.00	.00	350,000.00	.0%
08470 25524	GOB 2012B Bond - Pr	335,000	0	335,000	.00	.00	335,000.00	.0%
08470 47000	Interest Exp. - Deb	516,409	0	516,409	.00	.00	516,409.00	.0%
TOTAL Debt - Sewer Dept.		1,251,409	0	1,251,409	.00	.00	1,251,409.00	.0%
08475 Fiscal Agent Fees								
08475 47600	Fiscal Agent Fees	3,150	0	3,150	.00	.00	3,150.00	.0%
TOTAL Fiscal Agent Fees		3,150	0	3,150	.00	.00	3,150.00	.0%
08492 Interfund Operating Transfers								
08492 49201	Transfer to General	168,345	0	168,345	.00	.00	168,345.00	.0%
TOTAL Interfund Operating Transfers		168,345	0	168,345	.00	.00	168,345.00	.0%

FOR 2021 03

ACCOUNTS FOR: 08 Sewer Fund		ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
TOTAL Sewer Fund		205,182	0	205,182	-408,509.25	22,894.32	590,796.93	-187.9%
	TOTAL REVENUES	-4,340,000	0	-4,340,000	-990,878.98	.00	-3,349,121.02	
	TOTAL EXPENSES	4,545,182	0	4,545,182	582,369.73	22,894.32	3,939,917.95	

FOR 2021 03

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
GRAND TOTAL	205,182	0	205,182	-408,509.25	22,894.32	590,796.93	-187.9%

** END OF REPORT - Generated by Usha Hogan **

8. LIST OF ASSETS AND COSTS

EAST WHITELAND TOWNSHIP WASTEWATER SYSTEM
SUMMARY OF ANALYSIS OF ORIGINAL COST OF WASTEWATER SYSTEM
AS OF OCTOBER 28, 2021

ACCOUNT	DESCRIPTION		ORIGINAL COST ($)
353.2	LAND AND LAND RIGHTS - COLLECTION	$	667.00
353.3	LAND AND LAND RIGHTS - PUMPING	$	13.00
354.2	STRUCTURES AND IMPROVEMENTS - COLLECTION PLANT	$	11,085,241.50
354.3	STRUCTURES AND IMPROVEMENTS - PUMPING	$	7,951,367.88
360.21	COLLECTION SEWERS - FORCE - MAINS	$	2,304,354.55
361.21	COLLECTION SEWERS - GRAVITY - MAINS	$	10,812,977.75
361.23	COLLECTION SEWERS - GRAVITY - MANHOLES	$	4,366,435.15
363.2	SERVICES TO CUSTOMERS	$	6,619,976.03
365.2	FLOW MEASURING INSTALLATIONS	$	78,670.00
391.7	TRANSPORTATION EQUIPMENT	$	51,472.96
	SYSTEM TOTAL	$	43,271,175.81

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
353.20	LAND AND LAND RIGHTS - COLLECTION						
	DEER RUN DRAINAGE AREA (DR)	(DR 2) UPI: 42-4K-57 - Gravity Line & Force Main, MB: 197/260			Easement - Yes		$ 1.00
	DEER RUN DRAINAGE AREA (DR)	(DR 3) UPI: 42-4K-60 - Gravity Line & Force Main, MB: 199/67			Easement - Yes		$ 1.00
	DEER RUN DRAINAGE AREA (DR)	Deer Run Lane - Gravity Line & Force Main, DB: P40/251			ROW - Yes		$ 1.00
	DEER RUN DRAINAGE AREA (DR)	Fawn Circle - Gravity Line & Force Main, DB: P40/251			ROW - Yes		$ 1.00
	DEER RUN DRAINAGE AREA (DR)	Doe Lane - Gravity Line, DB: P40/246 DB: W31/40			ROW - Yes		$ 1.00
	DEER RUN DRAINAGE AREA (DR)	Buck Run Lane - Gravity Line, DB: W31/40			ROW - Yes		$ 1.00
	DEER RUN DRAINAGE AREA (DR)	Conestoga Road - Force Main,			ROW - Yes		$ 1.00
	FLAT ROAD DRAINAGE AREA (FR)	(FR 3) UPI: 42-4-15.10 - Gravity Line & Force Main, MB: 574/402 PB: 69/1			Easement - Yes		$ 1.00
	FLAT ROAD DRAINAGE AREA (FR)	(FR 4) UPI: 42-4-15.10A - Gravity Line & Force Main, MB: 574/402 PB: 69/1			Easement - Yes		$ 1.00
	FLAT ROAD DRAINAGE AREA (FR)	(FR 5) UPI: 42-4-15.7 - Force Main, Plan No. 16670 PB: 69/1			Easement - Yes		$ 1.00
	FLAT ROAD DRAINAGE AREA (FR)	Flat Road - , DB: U28/28			ROW - Yes		$ 1.00
	FLAT ROAD DRAINAGE AREA (FR)	Great Valley Parkway - , DB: D62/327 MB: 634/200			ROW - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 1) UPI: 35-3-102 - Gravity Line, DB: 7037/1110			Easement - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 2) UPI: 42-3-32.2 - Gravity Line,			Easement - No		$ -
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 3) UPI: 42-3-32.1 - Gravity Line,			Easement - No		$ -
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 4) UPI: 42-3-32 - Gravity Line,			Easement - No		$ -
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 5) UPI: 42-3-33 - Gravity Line,			Easement - No		$ -
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 6) UPI: 42-3-33.1 - Gravity Line,			Easement - No		$ -
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 7) UPI: 42-3-107.3P - Gravity Line & Force Main, DB: 6267/2370			Easement - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	Willing Way - Gravity Line, DB: 9377/1312			ROW - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	Hillbrook Circle - Gravity Line, DB: K34/292			ROW - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	Hillbrook Court - Gravity Line, DB: K34/292			ROW - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	Conestoga Road - Gravity Line & Force Main, MB: 964/552 DB: G52/532			ROW - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 2) UPI: 42-7-53 - Force Main, Plan No. 7631			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	KING ROAD DRAINAGE AREA (KR)	(KR 3) UPI: 42-7B-101 - Gravity Line & Force Main, DB: 689/549			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 4) UPI: 42-7B-102 - Gravity Line & Force Main, DB: 9549/1435			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 5) UPI: 42-7B-133 - Gravity Line & Force Main, DB: 10200/763			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 6) UPI: 42-7B-132 - Gravity Line & Force Main, DB: 3587/954			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 7) UPI: 42-7B-119 - Gravity Line & Force Main, DB: F53/118			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 8) UPI: 42-7B-120 - Gravity Line & Force Main, DB: 3827/1452			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 9) UPI: 42-7B-118 - Gravity Line & Force Main, DB: 10117/2299			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 10) UPI: 42-7B-85 - Gravity Line & Force Main, DB: 6737/2373			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 11) UPI: 42-7B-86 - Gravity Line & Force Main, DB: 8800/2081			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 12) UPI: 42-7B-84 - Gravity Line & Force Main, DB: 3532/2014			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 13) UPI: 42-7B-83 - Gravity Line & Force Main, DB: 9636/2118			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 14) UPI: 42-7B-82 - Gravity Line & Force Main, DB: 9839/713			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 15) UPI: 42-7B-81 - Gravity Line & Force Main, DB: 9179/23			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 16) UPI: 42-7B-80 - Gravity Line & Force Main, DB: 3584/1943			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 17) UPI: 42-7B-52 - Gravity Line, PB: 16/45 DB: 5686/920			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 18) UPI: 42-7-52.2 - Gravity Line, PB: 16/45			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 19) UPI: 42-7-52.3 - Gravity Line, PB: 16/45 DB: 5648/601			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 20) UPI: 42-7-52.1A - Gravity Line, PB: 16/45 Plan No. 1193			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 21) UPI: 42-7-50.1 - Gravity Line, Plan No. 17279			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 22) UPI: 42-7-50 - Gravity Line, Plan No. 17279			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	Kings Circle - Gravity Line, DB: N29/595			ROW - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	Madeline Drive - Gravity Line, DB: V28/663			ROW - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	Kevin Way - Gravity Line, DB: V28/663			ROW - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	Queen Anne Lane - Gravity Line , DB: V28/671			ROW - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	KING ROAD DRAINAGE AREA (KR)	Carol Lane - Gravity Line, DB: V28/671			ROW - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	King Road - Gravity Line & Force Main,			ROW - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 1) UPI: 42-4-29.2 - Gravity Line, Plan No. 16792			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 2) UPI: 42-4-29.1 - Force Main, Plan No. 18373			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 4) UPI: 42-4-29 - Gravity Line & Force Main, Plan No. 15770 DB: 9846/637			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 5) UPI: 42-4-28.2 - Force Main, DB: 6765/1762			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 6) UPI: 42-4-42 - Gravity Line & Force Main, DB: 6765/1780			Easement - GL: No FM: Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 7) UPI: 42-4-25 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 8) UPI: 42-4-25.3 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 10) UPI: 42-4-26.2 - Force Main, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 12) UPI: 42-2-12.2 - Gravity Line, Plan No. 4520			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 13) UPI: 42-2-12.1 - Gravity Line, Plan No. 4520			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 14) UPI: 42-2-12.3 - Gravity Line, Plan No. 4521			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 15) UPI: 42-2-12 - Gravity Line, Plan No. 4521			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 16) UPI: 42-4-52 - Gravity Line, Plan No. 5010			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 17) UPI: 42-4-52.5 - Gravity Line, Plan No. 5010			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 18) UPI: 42-4-52.6 - Gravity Line, Plan No. 5010			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 19) UPI: 42-4-15.15 - Gravity Line, DB: 6773/273 MB: 581/59			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 20) UPI: 42-4-15.12 - Gravity Line, MB: 581/59			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 21) UPI: 42-4-15.16 - Gravity Line, DB: 6773/273 MB: 581/59			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 22) UPI: 42-4-15.17A - Gravity Line, DB: 6773/273 DB: 581/59			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 23) UPI: 42-4-15.17 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 24) UPI: 42-4-15.18A - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 25) UPI: 42-4-15.20 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	LAPP ROAD DRAINAGE AREA (LR)	(LR 26) UPI: 42-4-17 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 27) UPI: 42-4-16 - Gravity Line, DB: 6765/1789			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 28) UPI: 42-4-15.18 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 29) UPI: 42-4-15.27 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 30) UPI: 42-4-16.1 - Gravity Line, DB: 6773/273			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	Technology Drive - Gravity Line, DB: 6773/251			ROW - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	Lapp Road - Gravity Line , DB: 6773/251 DB: A36/1025 MB: 173/277			ROW - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	Valley Stream Parkway - Force Main, DB: 6773/219 DB: 6773/235			ROW - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	Old Morehall Road - Gravity Line & Force Main,			ROW - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	Morehall Road - Force Main,			ROW - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	(LB 3) UPI: 42-2-10.5A - Gravity Line, PB: 64/30			Easement - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	(LB 4) UPI: 42-2-10.1 - Gravity Line & Force Main, Plan No. 10751			Easement - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	(LB 5) UPI: 42-2-10.3A - Gravity Line, Plan No. 5369			Easement - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	(LB 6) UPI: 42-2-10.3 - Gravity Line, Plan No. 5349			Easement - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	(LB 7) UPI: 42-2-10.2B - Gravity Line, PB: 59/18			Easement - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	Lee Boulevard - Gravity Line & Force Main, DB: S51/92			ROW - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 2) UPI: 42-3-350 - Gravity Line, Plan No. 15562			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 3) UPI: 42-3-351 - Gravity Line, Plan No. 15562			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 4) UPI: 42-3-497 - Gravity Line, Plan No. 16381			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 5) UPI: 42-3-498 - Gravity Line, Plan No. 16381			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 6) UPI: 42-3-336 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 7) UPI: 42-3-337 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 8) UPI: 42-3-375 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 9) UPI: 42-3-376 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 10) UPI: 42-3-378 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 11) UPI: 42-3-64.22 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 12) UPI: 42-3-64.23 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 13) UPI: 42-3-64.89 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 14) UPI: 42-3-64.90 - Gravity Line, DB: 7234/1961			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 15) UPI: 42-3-127 - Force Main, DB: 7234/1972			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	All Internal Roads - Gravity Line & Force Main, DB: 6986/1454			ROW - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	Swedesford Road - Force Main, Plan No. 15562			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Doe Lane - Gravity Line, DB: P40/246 DB: W31/40			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Buck Run Lane - Gravity Line, DB: W31/40			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 1) UPI: 42-5-1.1 - Gravity Line, MB: 197/878			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 2) UPI: 42-4-266 - Gravity Line, DB: 8443/1099 Plan No. 18668			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 3) UPI: 42-4-260.2 - Gravity Line, Plan No. 20382 Plan No. 15178			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 4) UPI: 42-4-260.2A - Gravity Line, Plan No. 15178			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 6) UPI: 42-4-257.2 - Gravity Line, Plan No. 4470			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 7) UPI: 42-4-255-E - Gravity Line,			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 8) UPI: 42-4-268.1 - Gravity Line, DB: 3559/1973			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 9) UPI: 42-4-269 - Gravity Line, DB: 3559/1973			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 10) UPI: 42-4-270 - Gravity Line,			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 11) UPI: 42-4-272 - Gravity Line, DB: 3559/1973			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 13) UPI: 42-4-339 - Gravity Line, DB: 4373/191			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 14) UPI: 42-5-16.1 - Gravity Line, DB: 4373/180			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 15) UPI: 42-4-132 - Gravity Line, Plan No. 10214 Plan No. 9327			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 16) UPI: 42-4-132.2 - Gravity Line, MB: 199/73 1972-00522			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 17) UPI: 42-4-332 - Gravity Line, MB: 199/54 MB: 284/241			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 18) UPI: 42-4-331 - Gravity Line, MB: 284/237 1975-00649			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 19) UPI: 42-4-330 - Gravity Line, MB: 284/233 1975-00648			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 20) UPI: 42-4-329 - Gravity Line, MB: 284/229 1975-00647			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 21) UPI: 42-4-328 - Gravity Line, MB: 287/5 1975-00684			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 22) UPI: 42-4-327 - Gravity Line, MB: 284/224 1975-00646			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 23) UPI: 42-4-326 - Gravity Line, MB: 284/221 1975-00645			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 24) UPI: 42-4-325 - Gravity Line, MB: 284/217 1975-00644			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 25) UPI: 42-4-324 - Gravity Line, MB: 284/213 1975-00643			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 26) UPI: 42-4-323 - Gravity Line, MB: 284/209 1975-00642			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 27) UPI: 42-4-322 - Gravity Line, MB: 284/205 1975-00641			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 28) UPI: 42-4-322.9 - Gravity Line, MB: 284/205 1975-00641			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 29) UPI: 42-4-322.8 - Gravity Line, MB: 284/201 1975-00640			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 30) UPI: 42-4-322.7 - Gravity Line, MB: 284/197 1975-00639			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 31) UPI: 42-4-322.6 - Gravity Line, MB: 287/13 1975-00686			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 32) UPI: 42-4-322.5 - Gravity Line, MB: 390/33 MB: 284/193			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 33) UPI: 42-4-322.4 - Gravity Line, MB: 287/189 1975-00637			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 34) UPI: 42-4-322.2 - Gravity Line, MB: 287/185 1975-00636			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 35) UPI: 42-4-322.1 - Gravity Line, MB: 284/181 1975-00635			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 36) UPI: 42-4-318 - Gravity Line, MB: 284/177 1975-00634			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 37) UPI: 42-4-317.2 - Gravity Line, MB: 284/169 MB: 287/17			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 38) UPI: 42-4-317.1 - Gravity Line, MB: 284/173 1975-00633			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 39) UPI: 42-4-317 - Gravity Line , MB: 284/169 MB: 287/17			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 40) UPI: 42-4-316 - Gravity Line, MB: 284/165 1975-00631			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 41) UPI: 42-4-315 - Gravity Line, MB: 284/161 MB: 287/157			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 42) UPI: 42-4-313 - Gravity Line, MB: 284/153 MB: 287/157			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 43) UPI: 42-4-132.1 - Gravity Line, MB: 199/27 MB: 284/245			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 44) UPI: 42-4-139 - Gravity Line, MB: 287/1 1975-00683			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 45) UPI: 42-4-140 - Gravity Line, MB: 287/9 1975-00685			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 46) UPI: 42-4-141 - Gravity Line, MB: 284/249 1975-00652			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 47) UPI: 42-4-130 - Gravity Line, DB: 6523/952			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 48) UPI: 42-4-127 - Gravity Line, MB: 284/261 1975-00655			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 49) UPI: 42-4-129 - Gravity Line, MB: 284/257 MB: 284/265			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 50) UPI: 42-4-125.2 - Gravity Line, MB: 284/257 MB: 284/265			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 51) UPI: 42-4-125.3 - Gravity Line, MB: 284/269 1975-00657			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 52) UPI: 42-4-125.3A - Gravity Line, MB: 284/269 1975-00657			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 53) UPI: 42-4-125.8 - Gravity Line, MB: 287/273 1975-00658			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 54) UPI: 42-4-125 - Gravity Line, MB: 345/130 MB: 284/273			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 55) UPI: 42-4-102.2 - Gravity Line, MB: 401/378 MB: 284/277			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 56) UPI: 42-4-102.4 - Gravity Line, MB: 401/378 MB: 284/277			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 57) UPI: 42-4-103 - Gravity Line, MB: 284/281 1975-00660			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 58) UPI: 42-4-104 - Gravity Line, MB: 399/399 MB: 284/285			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 59) UPI: 42-4-106.1 - Gravity Line, MB: 284/253 1975-00653			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 60) UPI: 42-4-97.1 - Gravity Line, MB: 284/289 MB: 284/293			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 61) UPI: 42-4-98.1 - Gravity Line, MB: 284/289 1975-00664			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 62) UPI: 42-4-98.4 - Gravity Line, MB: 284/302 1975-00665			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 63) UPI: 42-4-98 - Gravity Line , MB: 286/336 MB: 284/302			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 64) UPI: 42-4-100 - Gravity Line, MB: 983/401 MB: 284/306			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 65) UPI: 42-4-89.1B - Gravity Line, MB: 286/336 1975-00679			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 66) UPI: 42-4-89.1A - Gravity Line, MB: 546/424			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 67) UPI: 42-4-101.1 - Gravity Line, MB: 983/337 1987-0872			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 68) UPI: 42-4-87.2 - Gravity Line & Force Main, MB: 983/349 1987-08872			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 69) UPI: 42-4-333 - Gravity Line,			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 70) UPI: 42-4-334-E - Gravity Line,			Easement - No (2 Crossings)		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 71) UPI: 42-4-335 - Gravity Line, MB: 206/582 MB: 199/30			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 72) UPI: 42-4-338 - Gravity Line, MB: 197/274			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 73) UPI: 42-4-350 - Gravity Line, MB: 197/274			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 74) UPI: 42-4-352 - Gravity Line & Meter, MB: 199/61 1972-00518			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 75) UPI: 42-4-351 - Gravity Line, Plan No. 7654			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 76) UPI: 42-4-352.1 - Gravity Line, Plan No. 7654			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 77) UPI: 42-4-352.2 - Gravity Line, Plan No. 7654			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 78) UPI: 42-4-352.3 - Gravity Line,			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 79) UPI: 42-4-343 - Gravity Line, MB: 199/79 1972-00524			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 80) UPI: 42-4R-26 - Gravity Line, MB: 345/56 MB: 284/347			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 81) UPI: 42-4R-34 - Gravity Line, MB: 402/164 MB: 285/1			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 82) UPI: 42-4R-33 - Gravity Line, MB: 345/56			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 83) UPI: 42-4R-32 - Gravity Line, MB: 285/5 1975-00675			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 84) UPI: 42-4R-25 - Gravity Line, MB: 345/56			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 85) UPI: 42-4R-21 - Gravity Line, MB: 286/344 1975-00681			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 86) UPI: 42-4R-19 - Gravity Line, MB: 284/339 1975-00671			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 87) UPI: 42-4R-20 - Gravity Line, MB: 284/343 1975-00672			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 88) UPI: 42-4-321.2 - Gravity Line, MB: 197/888			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 89) UPI: 42-4-278.20 - Gravity Line, DB: 3877/431			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 90) UPI: 42-4-281.47 - Gravity Line, DB: 6267/2378 DB: 4643/95			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 91) UPI: 42-4-281 - Gravity Line, DB: 6267/2378 DB: 4643/95			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 92) UPI: 42-4-281.28 - Gravity Line, DB: 6267/2378 DB: 4643/95			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 93) UPI: 42-4-281.29 - Gravity Line, DB: 6267/2378 DB: 4643/95			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 94) UPI: 42-4-281.30 - Gravity Line, DB: 6267/2378 DB: 4643/95			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 95) UPI: 42-4-281.31 - Gravity Line, DB: 6267/2378 DB: 4643/95			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 96) UPI: 42-4-294-E - Gravity Line,			Easement - No (4 Crossings)		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 97) UPI: 42-7C-5 - Gravity Line, DB: 5648/615			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 98) UPI: 42-4Q-169 - Gravity Line, DB: 5648/607			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 99) UPI: 42-4Q-157 - Gravity Line, MB: 427/203			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 100) UPI: 42-4Q-156 - Gravity Line, MB: 427/203			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 101) UPI: 42-4Q-155 - Gravity Line, MB: 419/341			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 102) UPI: 42-4Q-179 - Gravity Line, PB: 43/4			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 103) UPI: 42-4Q-180 - Gravity Line, PB: 43/4			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 104) UPI: 42-4Q-172 - Gravity Line, PB: 43/4			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 105) UPI: 42-4Q-171 - Gravity Line, PB: 43/4			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 106) UPI: 42-7B-138.10 - Gravity Line, DB: 2603/389			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 107) UPI: 42-7B-138.11 - Gravity Line, DB: 2603/389			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 108) UPI: 42-7-64.4 - Gravity Line, MB: 960/194			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 109) UPI: 42-7-64.2 - Gravity Line, MB: 960/190			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 110) UPI: 42-4P-28-E - Gravity Line, DB: H49/87			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 111) UPI: 42-4-295.1 - Gravity Line, MB: 284/327 1975-00668			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 112) UPI: 42-4-321 - Gravity Line, MB: 284/340 1975-00680			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 113) UPI: 42-4-321.1 - Gravity Line, MB: 286/323 1975-00667			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 114) UPI: 42-4K-143 - Gravity Line,			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 115) UPI: 42-4K-142 - Gravity Line,			Easement - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 116) UPI: 42-4K-28 - Gravity Line, MB: 197/271			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 117) UPI: 42-4K-27 - Gravity Line, MB: 196/996			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 118) UPI: 42-4K-7 - Gravity Line, MB: 196/1002			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 119) UPI: 42-4K-6 - Gravity Line, MB: 197/1021			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 120) UPI: 42-4K-30 - Gravity Line, MB: 197/262 MB: 347/323			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 121) UPI: 42-4K-17 - Gravity Line, MB: 196/999 MB: 347/323			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 122) UPI: 42-4-109 - Gravity Line, MB: 377/134			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 123) UPI: 42-4-110 - Gravity Line, MB: 345/134			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 124) UPI: 42-4-143 - Gravity Line, Plan No. 5498 MB: 197/268			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 125) UPI: 42-4-144 - Gravity Line, MB: 336/282			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 126) UPI: 42-4-240.3 - Gravity Line, MB: 199/51 PB: 49/27			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 127) UPI: 42-4-240.1 - Gravity Line, MB: 202/41 MB: 199/48			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 128) UPI: 42-4-142 - Gravity Line, MB: 197/268			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 129) UPI: 42-4-252 - Gravity Line, MB: 197/883			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 130) UPI: 42-4-249 - Gravity Line, MB: 345/52			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 131) UPI: 42-4-253-E - Gravity Line, DB: O31/211			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 132) UPI: 42-4-257.1 - Gravity Line, MB: 199/57			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 133) UPI: 42-4-254 - Gravity Line, MB: 347/326 MB: 199/57			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 134) UPI: 42-4-260.6-E - Gravity Line, DB: 554/536			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 135) UPI: 42-4-53.14 - Gravity Line, DB: 2603/325 Plan No. 9429			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 136) UPI: 42-4-53.15 - Gravity Line, DB: 2603/380 Plan No. 8837			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 137) UPI: 42-4-53.16 - Gravity Line, DB: 554/536 Plan No. 7496			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 138) UPI: 42-4-53.6 - Gravity Line & Force Main, Plan No. 5076 DB: 6765/1748			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 139) UPI: 42-4-53.10 - Gravity Line & Force Main, Plan No. 5434 DB: 6765/1748			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 140) UPI: 42-4-53.7 - Gravity Line & Force Main, Plan No. 5434 DB:6765/1748			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 141) UPI: 42-4-53.12 - Gravity Line, Plan No. 6432 DB: 554/536			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 143) UPI: 42-4-53.5 - Gravity Line, Plan No. 4799			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 144) UPI: 42-4-53.3 - Gravity Line, DB: 6773/235			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 145) UPI: 42-4-53.11 - Gravity Line, Plan No. 19299 DB: 554/536			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 146) UPI: 42-4-53 - Gravity Line, DB: 554/536			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 147) UPI: 42-4-53.8 - Gravity Line, DB: 554/536			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 148) UPI: 42-2-8.1 - Gravity Line, Plan No. 19233 Plan No. 15830			Easement - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Oak Hill Circle - Gravity Line, DB: H49/60 DB: S54/414			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Forest Way - Gravity Line, DB: H49/60 DB: S54/414			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Amy Lane - Gravity Line & Force Main , DB: 2603/308			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Birch Road - Gravity Line, DB: Q35/224 DB: Q35/243 DB: P40/443			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Locust Road - Gravity Line, DB: Q35/224			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Pine Road - Gravity Line, DB: Q35/239			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Willow Drive - Gravity Line, DB: P40/443			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Sycamore Drive - Gravity Line, DB: P40/443			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Beth Circle - Gravity Line, DB: T49/241			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Village Way - Gravity Line, DB: N27/627 DB: Q24/523 DB: W24/133			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Spring Road - Gravity Line, DB: S36/52 DB: W31/64			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Woodview Road - Gravity Line, DB: W31/64			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Fahnestock Road - Gravity Line, DB: A28/493 DB: V28/667 DB: Q24/521 DB: X24/35			ROW - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	Longview Road - Gravity Line , DB: A28/493 DB: V28/667 DB: Q24/521 DB: X24/35			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Lantern Lane - Gravity Line, DB: X24/35			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Old Lincoln Highway/ Old Lancaster Road - Gravity Line, DB: 2603/365			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Roberts Road - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Elbow Lane - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Winding Way - Gravity Line, DB: N29/192 DB: O31/215			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Wood Lane - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Beth Lane - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Hillside Drive - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Kane Drive - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Swedesford Road - Gravity Line, DB: N29/192 DB: O31/215 DB: O31/222			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Valley Stream Parkway - Gravity Line & Force Main, DB: 6773/219 DB: 6773/235			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Malin Road - Gravity Line, DB: Q35/224			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	South Malin Road - Gravity Line , DB: 2603/336			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	South Malin Road Railroad Crossing - ,			ROW - No		$ -
	MATTHEWS ROAD DRAINAGE AREA (MR)	Summit Road - Gravity Line, DB: H49/60			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	U.S. Route 202 - Gravity Line, MB: 554/536			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Lancaster Avenue - Gravity Line & Force Main,			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	East Lancaster Avenue - Gravity Line,			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Conestoga Road - Gravity Line & Force Main,			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Morehall Road - Gravity Line & Force Main,			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	East Swedesford Road - Gravity Line,			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Matthews Road - Gravity Line,			ROW - Yes		$ 1.00
	MATTHEWS ROAD DRAINAGE AREA (MR)	Warren Avenue - Gravity Line,			ROW - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	Lindenwood Drive - Gravity Line,			ROW - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	Willow Drive - Gravity Line, DB: P40/443			ROW - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	Sycamore Drive - Gravity Line, DB: P40/443			ROW - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	East Swedesford Road - Gravity Line,			ROW - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 1) UPI: 42-4-88 - Gravity Line, MB: 546/434			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 2) UPI: 42-4-89.5 - Gravity Line, MB: 546/404			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 3) UPI: 42-4-89 - Gravity Line, MB: 546/444			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 4) UPI: 42-4-89.2 - Gravity Line, MB: 546/424			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 6) UPI: 42-4-71.2 - Force Main, Plan No. 2571			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 7) UPI: 42-4-71.13 - Force Main, Plan No. 2571			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 9) UPI: 42-4-71.8 - Force Main,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	Buttonwood Avenue - Gravity Line, DB: R24/293			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Beechwood Avenue - Gravity Line, DB: R24/293			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 2) UPI: 42-4-2.2-E - Gravity Line & Force Main, DB: 3127/39			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 3) UPI: 42-4-18-E - Gravity Line & Force Main, DB: 5959/435			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 4) UPI: 42-4-41, 56 & 66 - Gravity Line & Force Main,			Easement - GL: No FM: Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 5) UPI: 42-4-39 - Force Main, DB: H64/430			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 6) UPI: 42-4-38 - Force Main, DB: 4588/1426			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 7) UPI: 42-4-71.23 - Force Main, DB: 6761/259			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 8) UPI: 42-4-71.3 - Force Main, DB: 4632/136			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 9) UPI: 42-4K-119 - Force Main, DB: 2538/22			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 10) UPI: 42-4K-120 - Force Main, DB: 85/579			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 11) UPI: 42-4K-121 - Force Main, DB: 1816/457			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 12) UPI: 42-4K-122 - Force Main, DB: S52/265			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 13) UPI: 42-4K-123 - Force Main, DB: 7799/1042			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 14) UPI: 42-4K-124 - Force Main, DB: 4193/2383			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 15) UPI: 42-4-70 - Gravity Line,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 16) UPI: 42-4-71.26 - Gravity Line, DB: H49/68			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 17) UPI: 42-4-71.19 - Gravity Line, DB: H49/68			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 18) UPI: 42-4-71.18 - Gravity Line, DB: H49/68			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 19) UPI: 42-4-71.27 - Gravity Line, DB: H49/68			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 22) UPI: 42-4-60.3 - Gravity Line , PB: 61/10			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 23) UPI: 42-4-60.4 - Gravity Line, PB: 61/10			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 24) UPI: 42-4-60.5 - Gravity Line, PB: 61/10			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 25) UPI: 42-4-60.6 - Gravity Line, PB: 61/10			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 26) UPI: 42-4-60.7 - Gravity Line, PB: 61/10			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 27) UPI: 42-4-60.8 - Gravity Line, PB: 61/10			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 28) UPI: 42-4-60.9 - Gravity Line, MB: 420/341			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 29) UPI: 42-4-61.1 - Gravity Line, Plan No. 6557			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 30) UPI: 42-4-61.2 - Gravity Line, Plan No. 6557			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 31) UPI: 42-4-61.3 - Gravity Line, Plan No. 6557			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 32) UPI: 42-4-61.4 - Gravity Line, Plan No. 6557			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 33) UPI: 42-4-65.1 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 34) UPI: 42-4-65.2 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 35) UPI: 42-4-65.3 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 36) UPI: 42-4-65.4 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 37) UPI: 42-4-65.5 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 38) UPI: 42-4-65.6 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 39) UPI: 42-4-65.7 - Gravity Line, PB: 63/14			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 40) UPI: 42-4J-31 - Gravity Line, PB: 1088			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 41) UPI: 42-4J-9 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 42) UPI: 42-4J-10 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 43) UPI: 42-4J-11 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 44) UPI: 42-4J-13 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 45) UPI: 42-4J-12 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 46) UPI: 42-4J-15 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 47) UPI: 42-4J-16 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 48) UPI: 42-4J-17 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 49) UPI: 42-4J-18 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 50) UPI: 42-4J-19 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 51) UPI: 42-4J-20 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 52) UPI: 42-4J-21 - Gravity Line, MB: 964/533			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 53) UPI: 42-4-85.12 - Gravity Line, DB: 6482/1996			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 55) UPI: 42-4-2.5-E - Gravity Line, DB: 8918/1465			Township Owned Property		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 56) UPI: 42-4-2.1-E - Gravity Line, DB: 3127/39			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 57) UPI: 42-4-365-E - Gravity Line, DB: 3127/39			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 58) UPI: 42-4-59-E - Gravity Line, DB: 3520/2315			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 59) UPI: 42-4-58-E - Gravity Line, DB: 3520/2315			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 60) UPI: 42-4-58.1-E - Gravity Line, DB: A47/48			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 61) UPI: 42-3-124-E - Gravity Line, DB: 9750/2155			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 62) UPI: 42-3-123.25 - Gravity Line, DB: 9598/2270			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 63) UPI: 42-3-123.15 - Gravity Line, DB: 9598/2270			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 64) UPI: 42-3-123.14 - Gravity Line, DB: 9598/2270			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 65) UPI: 42-3-117.1 - Gravity Line, DB: 9598/2270			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 66) UPI: 42-3-117.1A - Gravity Line, DB: 9598/2270			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 67) UPI: 42-4-55-E - Gravity Line, Plan No. 14830			Easement - Partial Gap		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 71) UPI: 42-4-62.1 - Gravity Line,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 72) UPI: 42-4-62.2 - Gravity Line, DB: 5151/2261 2001-10487			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 73) UPI: 42-4-62 - Gravity Line,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 76) UPI: 42-4-83.1-E & 42-4-83-E - Gravity Line,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 78) UPI: 42-3-119.1 - Gravity Line, DB: 7743/170			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 79) UPI: 42-3-118-E - Gravity Line, DB: 9750/2155			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 80) UPI: 42-3-115 - Gravity Line, Plan No. 20653			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 81) UPI: 42-3-115.1 - Gravity Line, DB: 3837/1431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 82) UPI: 42-3-83-E - Gravity Line, DB: 9750/2155			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 83) UPI: 42-3-71-E - Gravity Line, DB: 9750/2155			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 84) UPI: 42-3-76-E - Gravity Line, DB: 9750/2155			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 85) UPI: 42-3-129-E - Gravity Line, DB: 9750/2155			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 86) UPI: 42-3-119 - Gravity Line, DB: 7819/2124			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 87) UPI: 42-3-199 - Gravity Line, DB: 7819/2124			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 88) UPI: 42-4-77 - Gravity Line, DB: 1357/492 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 89) UPI: 42-4-80.1 - Gravity Line, DB: 1357/496 1988—08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 90) UPI: 42-4-80 - Gravity Line, DB: 1357 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 92) UPI: 42-3-227 - Gravity Line, DB: 1357/479 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 93) UPI: 42-3-226.1 - Gravity Line, DB: 1357/4475 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 94) UPI: 42-3-226 - Gravity Line, DB: 1357/467 1988-08895			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 95) UPI: 42-3-223 - Gravity Line, DB: 1357/471 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 96) UPI: 42-3-222 - Gravity Line, DB: 1357/508 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 97) UPI: 42-3-222.1 - Gravity Line, DB: 1357/512 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 98) UPI: 42-3-221 - Gravity Line, DB: 1357/520 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 99) UPI: 42-4-220 - Gravity Line, DB: 1357/516 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 100) UPI: 42-4-218 - Gravity Line, DB: 1357/524 & 531 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 101) UPI: 42-3-217 - Gravity Line, DB: 1357/528 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 102) UPI: 42-3R-5 - Gravity Line, DB: 1678/210 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 103) UPI: 42-3R-2 - Gravity Line, DB: 1678/200 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 104) UPI: 42-3R-16 - Gravity Line, DB: 1357/540 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 105) UPI: 42-3R-6 - Gravity Line, DB: 1357/544 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 106) UPI: 42-3R-7 - Gravity Line, DB: 1357/548 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 107) UPI: 42-3R-8 - Gravity Line, DB: 1357/548 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 108) UPI: 42-3R-9 - Gravity Line, DB: 1357/556 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 109) UPI: 42-3R-10 - Gravity Line & Force Main, DB: 1357/556 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 110) UPI: 42-4-302-E - Gravity Line, DB: 1358/38 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 111) UPI: 42-4-302.1-E - Gravity Line, DB: 1358/42 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 112) UPI: 42-4-300 - Gravity Line, DB: 1358/46 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 113) UPI: 42-4-299 - Gravity Line, DB: 1358/50 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 114) UPI: 42-4-298.1 - Gravity Line, DB: 1357/422 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 115) UPI: 42-4-298 - Gravity Line, DB: 1357/418 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 116) UPI: 42-4-275 - Gravity Line, DB: 1357/426 DB: 1379/271			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 117) UPI: 42-3-239 - Gravity Line, DB: 1357/430 DB: 1357/434			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 118) UPI: 42-3-237.2 - Gravity Line, DB: 1357/438 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 119) UPI: 42-3-237.1 - Gravity Line, DB: 1357/442 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 120) UPI: 42-3-236 - Gravity Line, DB: 1357/418 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 121) UPI: 42-3-234 - Gravity Line, DB: 1357/450 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 122) UPI: 42-3-233.1 - Gravity Line, DB: 1357/458 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 123) UPI: 42-3R-40 - Gravity Line, DB: 1358/62 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 124) UPI: 42-3R-37 - Gravity Line, DB: 1358/58 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 125) UPI: 42-3R-39 - Gravity Line, DB: 1358/66 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 126) UPI: 42-3R-38 - Gravity Line, DB: 1357/462 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 127) UPI: 42-3-232 - Gravity Line, DB: 1358/70 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 128) UPI: 42-3-231 - Gravity Line, DB: 1357/536 1988-08895			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 129) UPI: 42-3-229 - Gravity Line, DB: 1678/195 DB: 1358/74 & 78			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 130) UPI: 42-3M-144 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 131) UPI: 42-3M-145 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 132) UPI: 42-3M-146 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 133) UPI: 42-3M-147 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 134) UPI: 42-3M-148 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 135) UPI: 42-3M-149 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 136) UPI: 42-3M-150 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 137) UPI: 42-3M-151 - Gravity Line, DB: 644/72			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 138) UPI: 42-3-109.11 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 139) UPI: 42-3-297 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 140) UPI: 42-3-251 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 141) UPI: 42-3-252 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 142) UPI: 42-3-245 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 143) UPI: 42-3-296 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 144) UPI: 42-3-295 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 145) UPI: 42-3-281 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 146) UPI: 42-3-280 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 147) UPI: 42-3-298 - Gravity Line, Plan Nos. 10112- 10115			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 148) UPI: 42-3-298.1 - Gravity Line, DB: 4415/1866			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 150) UPI: 42-3-45.6Q - Gravity Line,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 151) UPI: 42-3-334 - Gravity Line, Plan No. 13903			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 152) UPI: 42-3-45.6K - Gravity Line, PB: 31/19			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 153) UPI: 42-3-242.10 - Gravity Line, PB: 37/3			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 155) UPI: 42-4-20.2S - Gravity Line, DB: 1945/343 DB: 1945/353			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 156) UPI: 42-4-20.2Q - Gravity Line, DB: 1945/343 DB: 1945/353			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 157) UPI: 42-4-20.2P - Gravity Line, DB: 1945/343 DB: 1945/353			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 158) UPI: 42-4-4 - Gravity Line,			Easement - No		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 159) UPI: 42-4-5.2C - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Partial Gap		$ -
	MILL LANE DRAINAGE AREA (ML)	(ML 160) UPI: 42-4-5.2D - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 161) UPI: 42-4-527 - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 162) UPI: 42-4-5.45 - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 163) UPI: 42-4-526 - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 164) UPI: 42-4-525 - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 165) UPI: 42-4-524 - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 166) UPI: 42-4-5.2B - Gravity Line, DB: 7246/1583 DB: 7647/431			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 167) UPI: 42-4-6.10 - Gravity Line,			Easement - No		$ -

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 168) UPI: 42-4-6.14 - Gravity Line, DB: 9494/1779			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 169) UPI: 42-4-5.24E - Gravity Line, DB: 3127/31			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 170) UPI: 42-3D-33 - Gravity Line, DB: 10298/1790			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 171) UPI: 42-3D-34 - Gravity Line, DB: 8784/252			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 172) UPI: 42-3D-36 - Gravity Line, Pl: 54/18 & 19			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 173) UPI: 42-3D-38 - Gravity Line, Pl: 54/18 & 19			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 174) UPI: 42-3D-37 - Gravity Line, Pl: 54/18 & 19			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 175) UPI: 42-1R-5 - Gravity Line, Pl: 54/18 & 19			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 176) UPI: 42-3D-30 - Gravity Line, DB: 1754/73			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 177) UPI: 42-3D-31 - Gravity Line, DB: 6306/1321			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 178) UPI: 42-3D-32 - Gravity Line, DB: 8432/684			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 179) UPI: 42-1R-6 - Gravity Line, Pl: 54/18 & 19			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 180) UPI: 42-2-10.2D - Gravity Line, Plan No. 5996 DB: 9405/211			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 182) UPI: 42-4-2.3 - Gravity Line, Plan No. 19563 DB: 8906/1501			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Manor View Circle - Gravity Line & Force Main, DB: H49/68			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Limekiln Drive - Gravity Line, DB: H49/68			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Valley Creek Road - Gravity Line, DB: H49/68			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Mill Creek Lane - Gravity Line, DB: Y58/546			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Knollbrook Circle - Gravity Line, DB: S51/87			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Brett Lane - Gravity Line, DB: H64/127			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Westgate Circle - Gravity Line, DB: H64/131			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Stuart Drive - Gravity Line, DB: H64/131			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Devonshire Lane - Gravity Line, DB: 6482/1996			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Charles Street - Gravity Line, DB: P30/117			ROW - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	Markel Road - Gravity Line, DB: 644/66			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Kelmar Road - Gravity Line, DB: 644/66			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Rickmar Lane - Gravity Line, MB: 964/570			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Weightman Drive - Gravity Line, DB: 7784/928			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Morris Lane - Gravity Line, DB: 7784/923			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Craig Lane - Gravity Line, DB: 4748/586			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Kenwood Court - Gravity Line, DB: 4748/586			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Clover Mill Lane - Gravity Line, DB: 3966/279 DB: 4748/586 DB: 6267/1			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Tunbridge Lane - Gravity Line, DB: 4748/586			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Atterbury Drive - Gravity Line, DB: H49/73			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Flintshire Road - Gravity Line, DB: H49/73			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Ashlawn Road - Gravity Line, DB: H49/73			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Ashlawn Circle - Gravity Line, DB: H49/73			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Oak Glen Road - Gravity Line, DB: 1288/316			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Oak Glen Drive - Gravity Line, DB: 1288/316			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Lapp Road - Gravity Line, DB: 1288/316 DB: 7647/431			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	McCoy Court - Gravity Line, DB: 7647/431			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Fetters Mill Drive - Gravity Line, DB: 7647/431			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Dale Lane - Gravity Line, DB: S54/409			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Forge Drive - Gravity Line, DB: S54/409			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Thayer Drive - Gravity Line, DB: 3127/19			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Almy Drive - Gravity Line, DB: 3127/19			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Aston Road - Gravity Line, DB: R53/410			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	James Thomas Road - Gravity Line, DB: R53/410			ROW - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	Spruce Road - Gravity Line, DB: R53/410			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Hayes Road - Gravity Line, DB: R53/418			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Yellow Springs Road - Gravity Line, DB: R53/410			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Phoenixville Road - Gravity Line, DB: 7174/1645 DB: 4748/586 DB: R53/410 DB: R53/418 MB: 964/552			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Conestoga Road - Gravity Line/ Force Main, DB: 7174/1645 MB: 964/552 DB: H49/68			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Swedesford Road - Gravity Line, DB: H64/131 DB: H49/68 MB: 964/560			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Sidley Road - Gravity Line, DB: 7647/431 DB: 7246/1583 DB: 3127/19 DB: 117/407 DB: R53/418			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Flat Road - Gravity Line, DB: 3127/19			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Moores Road - Gravity Line, DB: 7174/1645 DB: 1945/330 DB: 644/62 DB: 440/532 DB: 440/538 DB:			ROW - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	Mill Lane - Gravity Line, DB: 420/337 DB: 117/407 DB: Y58/546 DB: S51/87			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 2) UPI: 42-3-165 - Gravity Line & Force Main, DB: 9579/478			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 3) UPI: 42-3-149.1 - Gravity Line & Force Main, DB: 1358/17 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 4) UPI: 42-3R-11.1 - Gravity Line & Force Main, DB: 1357/564 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 5) UPI: 42-3R-12 - Gravity Line & Force Main, DB: 1357/568 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 6) UPI: 42-3R-13 - Gravity Line & Force Main, DB: 1357/572 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 7) UPI: 42-3-179 - Gravity Line & Force Main, DB: 1357/576 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 8) UPI: 42-3-180 - Gravity Line & Force Main, DB: 1678/190 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 9) UPI: 42-3Q-19 - Gravity Line & Force Main, DB: 1357/584 1988/08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 10) UPI: 42-3Q-18 - Gravity Line & Force Main, DB: 1357/588 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 11) UPI: 42-3Q-9 - Gravity Line & Force Main, DB: 1357/592 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 12) UPI: 42-3-182 - Gravity Line & Force Main, DB: 1358/1 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 13) UPI: 42-3-181 - Gravity Line & Force Main, DB: 1357/592 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 14) UPI: 42-3-183 - Gravity Line & Force Main, DB: 1358/5 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 15) UPI: 42-3-184 - Gravity Line & Force Main, DB: 1358/9 1988-08895			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	PLANEBROOK DRAINAGE AREA (PB)	(PB 16) UPI: 42-3-185.1 - Gravity Line & Force Main, DB: 1358/13 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 17) UPI: 42-3-185 - Gravity Line & Force Main, DB: 1358/17 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 18) UPI: 42-3-145 - Gravity Line, DB: 1358/126 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 19) UPI: 42-6-10.1 - Gravity Line, DB: 1358/26 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 20) UPI: 42-6-10 - Gravity Line, DB: 1358/30 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 22) UPI: 42-3-228 - Gravity Line, DB: 1358/82 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 23) UPI: 42-6-23.1 - Gravity Line, DB: 1358/86 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 24) UPI: 42-6-23.4 - Gravity Line, DB: 1358/94 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 25) UPI: 42-6-23.4A - Gravity Line, DB: 1358/94 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 26) UPI: 42-6-24.2 - Gravity Line, DB: 1358/54 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 27) UPI: 42-6-21 - Gravity Line, DB: 1358/114 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 28) UPI: 42-6-23 - Gravity Line, DB: 1358/90 DB: 1379/275			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 29) UPI: 42-6-23.3 - Gravity Line, DB: 1358/98 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 30) UPI: 42-6-23.2D - Gravity Line, DB: 1358/102 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 31) UPI: 42-6-23.2 - Gravity Line, DB: 1358/122 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 32) UPI: 42-6-23.2C - Gravity Line, DB: 1358/106 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 33) UPI: 42-6-23.2B - Gravity Line, DB: 1358/110 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 34) UPI: 42-6-23.2A - Gravity Line, DB: 1358/118 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 36) UPI: 42-6-246 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 37) UPI: 42-6-222 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 38) UPI: 42-6-223 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 39) UPI: 42-6-224 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 40) UPI: 42-6-225 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 41) UPI: 42-6-226 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	PLANEBROOK DRAINAGE AREA (PB)	(PB 42) UPI: 42-6-227 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 43) UPI: 42-6-228 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 44) UPI: 42-6-229 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 45) UPI: 42-6-230 - Gravity Line, DB: 5406/689			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 46) UPI: 42-6G-16-E - Gravity Line, DB: Y58/519			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	Whitewoods Lane - Gravity Line, DB: 5406/689			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	Glenloch Way - Gravity Line, DB: Y58/531			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	Ravine Road - Gravity Line, DB: Y58/531			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	Ravine Road Railroad Crossing - Gravity Line,			ROW - No		$ -
	PLANEBROOK DRAINAGE AREA (PB)	King Road - Gravity Line, DB: Y58/531			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	South Phoenixville Pike - Gravity Line,			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	Lancaster Avenue - Gravity Line,			ROW - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	Planebrook Road / Phoenixville Pike - Force Main,			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 2) UPI: 42-4-87.1 - Gravity Line, MB: 983/341 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 3) UPI: 42-4N-22 - Gravity Line, MB: 983/405 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 4) UPI: 42-4N-21 - Gravity Line, MB: 983/357 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 5) UPI: 42-4N-20.1 - Gravity Line, MB: 983/361 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 6) UPI: 42-4N-39 - Gravity Line, MB: 983/365 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 7) UPI: 42-4N-40 - Gravity Line, MB: 983/369 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 8) UPI: 42-4N-41 - Gravity Line, MB: 983/345 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 9) UPI: 42-4N-42 - Gravity Line, MB: 983/409 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 10) UPI: 42-4N-43 - Gravity Line, MB: 983/413 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 11) UPI: 42-4N-44 - Gravity Line, MB: 1357/504 1987-08895			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 12) UPI: 42-4-312 - Gravity Line, MB: 983/373 1987-08872			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	WESTGATE DRAINAGE AREA (WG)	(WG 13) UPI: 42-4-312.1 - Gravity Line, MB: 983/377 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 14) UPI: 42-4-311 - Gravity Line, MB: 983/381 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 15) UPI: 42-4-310.1 - Gravity Line, MB: 983/417 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 16) UPI: 42-4-310 - Gravity Line, MB: 983/385 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 17) UPI: 42-4-310.2 - Gravity Line, MB: 983/421 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 18) UPI: 42-4-309 - Gravity Line, MB: 983/421 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 19) UPI: 42-4-309.1 - Gravity Line, MB: 983/425 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 20) UPI: 42-4-308.2 - Gravity Line, MB: 983/429 Plan No. 16523			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 21) UPI: 42-4-308.1 - Gravity Line, MB: 983/369 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 22) UPI: 42-4-308 - Gravity Line, MB: 983/393 DB: 3608/825			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 23) UPI: 42-4-307 - Gravity Line, MB: 983/397 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 24) UPI: 42-4-306 - Gravity Line, MB: 983/433 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 25) UPI: 42-4-304.2 - Gravity Line, MB: 983/437, 441 445 & 449			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 26) UPI: 42-4-304-E - Gravity Line, MB: 983/453 1987-08872			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 27) UPI: 42-4-303 - Gravity Line, DB: 1358/34 Plan No. 19774			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 28) UPI: 42-4-319-E - Gravity Line,			Easement - No		$ -
	WESTGATE DRAINAGE AREA (WG)	(WG 29) UPI: 42-4-296.16 - Gravity Line, Plan No. 15362			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 30) UPI: 42-4-296.15 - Gravity Line, Plan No. 15362			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 31) UPI: 42-4-296.14 - Gravity Line, Plan No. 18412			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 32) UPI: 42-4-296.7 - Gravity Line, DB: 5792/93			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 34) UPI: 42-4-297.2 - Gravity Line, Plan No. 18267			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 35) UPI: 42-4-297.3 - Gravity Line, Plan No. 20467			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 37) UPI: 42-7B-134 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 38) UPI: 42-7B-135 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	WESTGATE DRAINAGE AREA (WG)	(WG 39) UPI: 42-4P-15 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 40) UPI: 42-4P-16 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 41) UPI: 42-4P-17 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 42) UPI: 42-4P-18 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 43) UPI: 42-4P-19 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 44) UPI: 42-4P-20 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 45) UPI: 42-4P-29 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 46) UPI: 42-4P-30 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 47) UPI: 42-4P-31 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 48) UPI: 42-4P-32 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 49) UPI: 42-7B-145 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 50) UPI: 42-7B-144 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 51) UPI: 42-7B-143 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 52) UPI: 42-7B-142 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 53) UPI: 42-4P-37 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 54) UPI: 42-4P-36 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 55) UPI: 42-7B-151 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 56) UPI: 42-7B-150 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 57) UPI: 42-7B-149 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 58) UPI: 42-7B-148 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 59) UPI: 42-7B-147 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 60) UPI: 42-7B-146 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 61) UPI: 42-7B-137 - Gravity Line , MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 62) UPI: 42-4P-27 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	WESTGATE DRAINAGE AREA (WG)	(WG 63) UPI: 42-4P-24 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 64) UPI: 42-4P-23 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 65) UPI: 42-4P-22 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 66) UPI: 42-4P-21 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 67) UPI: 42-4P-33 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 68) UPI: 42-4P-26 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 69) UPI: 42-4P-25 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 70) UPI: 42-7B-136 - Gravity Line, MB: 575/140			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 71) UPI: 42-7B-100.2 - Gravity Line, DB: 5648/717			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 72) UPI: 42-7B-100 - Gravity Line, DB: 5648/711			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 73) UPI: 42-7A-41 - Gravity Line, DB: 5648/564			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 74) UPI: 42-7A-39 - Gravity Line, DB: 5686/926			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 75) UPI: 42-7A-38 - Gravity Line, DB: 5648/558			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 76) UPI: 42-7A-37 - Gravity Line, DB: 5676/1121			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 77) UPI: 42-7A-36 - Gravity Line, DB: 5676/1145			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 78) UPI: 42-7A-35 - Gravity Line, DB: 5676/1139			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 79) UPI: 42-7A-34 - Gravity Line, DB: 5676/1096			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 80) UPI: 42-7A-33 - Gravity Line, DB: 5676/1133			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 81) UPI: 42-7A-32 - Gravity Line, DB: 5676/1151			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 82) UPI: 42-7A-31 - Gravity Line, DB: 5676/1103			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 83) UPI: 42-7A-27 - Gravity Line, DB: 5542/1669 2003-00682			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 84) UPI: 42-7A-25.3 - Gravity Line, DB: 3802/1172			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 85) UPI: 42-7A-11.9 - Gravity Line, DB: 4599/2192			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 86) UPI: 42-7A-11.10 - Gravity Line, DB: 4599/2192			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	WESTGATE DRAINAGE AREA (WG)	(WG 87) UPI: 42-7A-92.5 - Gravity Line, DB: 4599/2214			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 88) UPI: 42-7A-92.6 - Gravity Line, DB: 4599/2214			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 89) UPI: 42-7A-92.12 - Gravity Line, DB: 4599/2214			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 90) UPI: 42-7A-92.10 - Gravity Line, DB: 4599/2214			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 91) UPI: 42-7A-68 - Gravity Line, DB: 5648/577			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 92) UPI: 42-7A-69 - Gravity Line, DB: 5686/942			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 93) UPI: 42-7A-92.15 - Gravity Line, DB: 4599/2214			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 94) UPI: 42-7A-74 - Gravity Line, DB: 5648/583			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 95) UPI: 42-7A-73 - Gravity Line, DB: 5648/570			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 96) UPI: 42-7A-92.14 - Gravity Line, DB: 4599/2214			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 97) UPI: 42-7A-88 - Gravity Line, DB: 5648/699			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 99) UPI: 42-7A-55 - Gravity Line, DB: 5648/693			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 100) UPI: 42-7A-65 - Gravity Line, DB: 5676/1115			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 101) UPI: 42-7A-84 - Gravity Line, DB: 5676/1127			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 102) UPI: 42-7A-83 - Gravity Line, DB: 5648/730			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 103) UPI: 42-7A-82 - Gravity Line, DB: 5676/1109			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 104) UPI: 42-7A-81 - Gravity Line, DB: 5648/723			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 105) UPI: 42-7A-80 - Gravity Line, DB: 5542/1657 2003-00679			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 106) UPI: 42-7A-80.1 - Gravity Line, DB: 5542/1657 2003-00679			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 107) UPI: 42-7A-79 - Gravity Line, DB: 5686/912			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 108) UPI: 42-7-40 - Gravity Line, DB: 5542/1624 2003-00680			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 110) UPI: 42-7-43 - Gravity Line, DB: 5686/932			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 111) UPI: 42-7-44 - Gravity Line, DB: 5686/936			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 112) UPI: 42-7-48 - Gravity Line, DB: 5648/595			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	WESTGATE DRAINAGE AREA (WG)	(WG 113) UPI: 42-7A-60 - Gravity Line, DB: 5542/2126 2003-02145			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 114) UPI: 42-7A-59 - Gravity Line, DB: 5648/589			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 115) UPI: 42-7A-58 - Gravity Line, DB: 5542/1691 2003-00683			Easement - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Westgate Village Drive - Gravity Line & Force Main, DB: 4804/2104			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Buttonwood Avenue - Gravity Line, DB: R24/293			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Beechwood Avenue - Gravity Line, DB: R24/293			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Ridge Road - Gravity Line, DB: S60/29			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Ridgewood Drive - Gravity Line, DB: S60/29			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Sleighride Drive - Gravity Line, DB: S60/29			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Summit Road - Gravity Line, DB: S60/29 MB: 114/645 DB: 2603/357 DB: S36/49			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Carol Lane - Gravity Line, MB: 114/645			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Diane Drive - Gravity Line, MB: 114/645			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Dawn Way - Gravity Line, DB: 3802/1172			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Judith Lynn Way - Gravity Line, DB: 4599/2180			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Carla Terrace - Gravity Line, DB: 4599/2180			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Rogers Way - Gravity Line, DB: 4599/2224			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Barbara Drive - Gravity Line, DB: O34/259			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	Woodcrest Lane - Gravity Line, DB: T33/81			ROW - Yes		$ 1.00
	WILBURDALE ROAD DRAINAGE AREA (WB)	(WB 1) UPI: 42-4-15.1 - Gravity Line, MB: 634/200			Easement - Yes		$ 1.00

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	WILBURDALE ROAD DRAINAGE AREA (WB)	(WB 3) UPI: 42-4-15.21 - Gravity Line, MB: 634/200			Easement - Yes		$ 1.00
	WILBURDALE ROAD DRAINAGE AREA (WB)	(WB 4) UPI: 42-4-15.14 - Gravity Line, MB: 634/200			Easement - Yes		$ 1.00
	WILBURDALE ROAD DRAINAGE AREA (WB)	Flat Road - Gravity Line & Force Main, DB: U28/28			ROW - Yes		$ 1.00
	WILBURDALE ROAD DRAINAGE AREA (WB)	Great Valley Parkway - Gravity Line & Force Main, DB: D62/327 MB: 634/200			ROW - Yes		$ 1.00
							$ 667.00

Note 1: Each easement is designated as either Yes or No.
"Yes" easement has been confirmed with an instrument recorded in the Office of the Recorder of Deeds in and for Chester County.
"No" easement will have to be acquired by the Township.

353.30	LAND AND LAND RIGHTS - PUMPING						
	DEER RUN DRAINAGE AREA (DR)	(DR 1) UPI: 4-4F-13-E - Pump Station, DB: 8914/1465			Easement - Yes		$ 1.00
	HILLBROOK CIRCLE DRAINAGE AREA (HB)	(HB 8) UPI: 42-3-107.3N - Gravity, FM & Pump Station, DB: 6262/2370			Easement - Yes		$ 1.00
	KING ROAD DRAINAGE AREA (KR)	(KR 1) UPI: 53-2-18 & 53-2-127 - Pump Station, DB: 6033/577			Easement - Yes		$ 1.00
	LAPP ROAD DRAINAGE AREA (LR)	(LR 9) UPI: 42-4-26.1 - Gravity, FM & Pump Station, DB: 6773/273 MB: 173/277			Easement - Yes		$ 1.00
	LEE BOULEVARD DRAINAGE AREA (LB)	(LB 2) UPI: 42-2-10.4 - Gravity, FM & Pump Station, Plan No. 5369			Easement - Yes		$ 1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 1) UPI: 42-3-370 - Gravity, FM & Pump Station, DB: 7234/1961 Plan No. 16381			Easement - Yes		$ 1.00
	MEADOW VIEW DRAINAGE AREA (MV)	(MV 5) UPI: 42-4-71.2A - Pump Station & Force Main, Plan No. 2571			Easement - Yes		$ 1.00
	MILL LANE DRAINAGE AREA (ML)	(ML 1) UPI: 42-4-2.4-E - Gravity Line, FM & Pump Station, DB: 3127/39			Township Owned Property		$ 1.00
		(ML 91) UPI: 42-4-75.1 - Gravity Line & Pump Station, DB: 1357/483 & 488 1988-08895			Easement - Yes		$ 1.00
	PLANEBROOK DRAINAGE AREA (PB)	(PB 1) UPI: 42-3-153.3 - Gravity, FM & Pump Station, DB: 9950/1608 DB: 9830/1917			Easement - Yes		$ 1.00
		Frame Avenue - Gravity Line, FM & Pump Station , DB: P40/238			ROW - Yes		$ 1.00
	WESTGATE DRAINAGE AREA (WG)	(WG 1) UPI: 42-4-87.2 - Gravity, FM & Pump Station, MB: 983/353 1987-08872	(blank)	(blank)	Easement - Yes		$ 1.00
	WILBURDALE ROAD DRAINAGE AREA (WB)	(WB 2) UPI: 42-4-15.9 - Gravity, FM & Pump Station, MB: 634/200	(blank)	(blank)	Easement - Yes		$ 1.00
							$ 13.00

Note 1: Each easement is designated as either Yes or No.
"Yes" easement has been confirmed with an instrument recorded in the Office of the Recorder of Deeds in and for Chester County.
"No" easement will have to be acquired by the Township.

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
354.2	STRUCTURES AND IMPROVEMENTS - COLLECTION PLANT						
		Sewer - Capactiy Rights	2017	East Whiteland Township Fixed Asset Detail Tie Out as of December 31, 2019	Capacity Rights outside of East Whiteland Township		$ 2,168,888.00
		VFSA Capacity Rights	2013	East Whiteland Township Fixed Asset Detail Tie Out as of December 31, 2019	Capacity Rights at Valley Forge Treatment Plant		$ 8,916,353.50
	TOTAL STRUCTURES AND IMPROVEMENTS - COLLECTION PLANT						**$ 11,085,241.50**
354.30	STRUCTURES AND IMPROVEMENTS - PUMPING						
	(P.S. 1) Deer Run	(P.S. 1) Deer Run - Initial facility cost including pump station, building, generator, fencing, paving, etc.	1976	Exhibit No. 3, Appendix D			$ 78,670.00
	(P.S. 1) Deer Run	(P.S. 1) Deer Run - Generator	2018	Steele Spreadsheet			$ 51,550.00
	(P.S. 11) Hillbrook Circle	(P.S. 11) Hillbrook Circle - Initial facility cost including pump station, building, generator, fencing, paving, etc.	2000	Township Records			$ 464,526.14
	(P.S. 12) King Road	(P.S. 12) King Road - Initial facility cost including pump station, building, generator, fencing, paving, etc.	2004	Exhibit No. 3, Appendix D			$ 233,129.00
	(P.S. 13) Malvern Hunt	(P.S. 13) Malvern Hunt - Initial facility cost including pump station, building, generator, fencing, paving, etc.	2000	Escrow			$ 374,100.00
	(P.S. 14) Planebrook Road	(P.S. 14) Planebrook Road - Initial facility cost including pump station, building, generator, fencing, paving, etc.	2018	Escrow			$ 353,800.00
	(P.S. 14) Planebrook Road	(P.S. 14) Planebrook Road - Electrical	2018	Escrow			$ 79,730.00
	(P.S. 2) Mill Lane	(P.S. 2) Mill Lane - Reconstruction	2014	Exhibit No. 3, Appendix D, Township Records			$ 3,001,023.00
	(P.S. 2) Mill Lane	(P.S. 2) Mill Lane - Original Building (retained after reconstruction)	1976	Exhibit No. 3, Appendix D			$ 40,000.00
	(P.S. 3) Wilburdale	(P.S. 3) Wilburdale - Reconstruction, general	2017	Escrow			$ 469,600.00
	(P.S. 3) Wilburdale	(P.S. 3) Wilburdale - Reconstrcution, electrical	2017	Escrow			$ 95,500.00
	(P.S. 4) Lee Boulevard	(P.S. 4) Lee Boulevard - Reconstruction	2007	Township Records			$ 556,117.00
		(P.S. 4) Lee Boulevard - Pump Upgrades	2002	Estimate			$ 49,664.45
	(P.S. 5) Meadowview	(P.S. 5) Meadowview - Initial facility cost including pump station, building, generator, fencing, paving, etc.	1980	Exhibit No. 3, Appendix D			$ 106,067.00
	(P.S. 6) Flat Road	(P.S. 6) Flat Road - Reconstruction	2019	Bid Tab & estimate for Township contribution			$ 352,000.00
	(P.S. 7) Lapp Road	(P.S. 7) Lapp Road - Initial facility cost including pump station, building, generator, fencing, paving, etc.	1987	Exhibit No. 3, Appendix D			$ 179,265.00
	(P.S. 7) Lapp Road	(P.S. 7) Lapp Road - Upgrades: generator, pump control panel and transfer switch	2006	Estimate			$ 131,119.57

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	(P.S. 8) Westgate	(P.S. 8) Westgate - Initial facility cost including pump station, building, generator, fencing, paving, etc.	1988	Exhibit No. 3, Appendix D, Township Records			$ 78,824.35
	(P.S. 8) Westgate	(P.S. 8) Westgate - Upgrades: generator, pump control panel and transfer switch	2001	Exhibit No. 3, Appendix D, Township Records			$ 89,972.00
		50KW MMD POWER PRO PORTABLE GENERATOR	2007	Township Records			$ 23,866.00
		Capacity Rights (Wilson Road Pump Station)	2014	East Whiteland Township Fixed Asset Detail Tie Out as of December 31, 2019	Capacity Rights within Wilson Road Pump Station system		$ 1,142,844.37
	TOTAL STRUCTURES AND IMPROVEMENTS - PUMPING						**$ 7,951,367.88**
360.21	COLLECTION SEWERS - FORCE - MAINS						
	(P.S. 1) Deer Run	(P.S. 1) Deer Run FM - 4" ACP	1976	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		830	$ 31,269.40
	(P.S. 11) Hillbrook Circle	(P.S. 11) Hillbrook Circle FM - 4" PVC	2000	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		785	$ 85,964.86
	(P.S. 12) King Road	(P.S. 12) King Road FM - 4" PVC	2004	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		2,400	$ 286,021.50
	(P.S. 13) Malvern Hunt	(P.S. 13) Malvern Hunt FM - 6" DIP	2000	Escrow		2,860	$ 279,122.94
	(P.S. 14) Planebrook	(P.S. 14) Planebrook FM - 8" PVC	2017	Township provided		2,545	$ 443,454.75
	(P.S. 2) Mill Lane	(P.S. 2) Mill Lane FM - 14" DIP	1976	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		3,400	$ 193,322.11
	(P.S. 3) Wilburdale Rd	(P.S. 3) Wilburdale Rd FM - 10" PVC Replacement	2016	Estimate		1,935	$ 89,428.47
	(P.S. 4) Lee Blvd	(P.S. 4) Lee Blvd FM - 8" DIP	1987	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		3,310	$ 276,127.99
	(P.S. 5) Meadow View	(P.S. 5) Meadow View FM - 4" ACP	1980	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		1,245	$ 63,237.44
	(P.S. 6) Flat Rd	(P.S. 6) Flat Rd FM - 6" ACP	1979	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		1,655	$ 77,969.12
	(P.S. 7) Lapp Rd	(P.S. 7) Lapp Rd FM - 6" PVC	1987	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		3,715	$ 340,443.41
	(P.S. 8) Westgate	(P.S. 8) Westgate FM - 8" PVC	1988	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		1,620	$ 137,992.57
	TOTAL COLLECTION SEWERS - FORCE - MAINS					**26,300**	**$ 2,304,354.55**
361.21	COLLECTION SEWERS - GRAVITY - MAINS						
		18" ACP	1975	Quantities from GIS, unit pricing from estimate		1,842	$ 58,356.08
		12" ACP	1975	Quantities from GIS, unit pricing from estimate		2,830	$ 68,677.29
		12" ACP	1978	Quantities from GIS, unit pricing from estimate		2,027	$ 61,740.49
		10" ACP	1975	Quantities from GIS, unit pricing from estimate		4,486	$ 75,582.08
		10" ACP	1977	Quantities from GIS, unit pricing from estimate		2,296	$ 45,057.04
		10" ACP	2012	Quantities from GIS, unit pricing from estimate		109	$ 7,711.37

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		36" ACP	1967	Quantities from GIS, unit pricing from estimate		157	$ 3,625.87
		27" ACP	1967	Quantities from GIS, unit pricing from estimate		3,833	$ 67,279.78
		24" ACP	1967	Quantities from GIS, unit pricing from estimate		243	$ 3,557.15
		24" ACP	1975	Quantities from GIS, unit pricing from estimate		632	$ 19,081.73
		10" PVC	1991	Quantities from GIS, unit pricing from estimate		1,427	$ 52,555.09
		10" PVC	1992	Quantities from GIS, unit pricing from estimate		1,054	$ 40,012.42
		10" PVC	1993	Quantities from GIS, unit pricing from estimate		183	$ 7,273.99
		10" PVC	2007	Quantities from GIS, unit pricing from estimate		8,646	$ 524,646.93
		10" PVC	2019	Quantities from GIS, unit pricing from estimate		492	$ 42,281.39
		10" PVC	2020	Quantities from GIS, unit pricing from estimate		1,275	$ 111,336.08
		8" ACP	1951	Quantities from GIS, unit pricing from estimate		719	$ 2,995.29
		8" ACP	1954	Quantities from GIS, unit pricing from estimate		2,913	$ 14,038.43
		8" ACP	1967	Quantities from GIS, unit pricing from estimate		3,298	$ 27,177.06
		8" ACP	1970	Quantities from GIS, unit pricing from estimate		5,901	$ 62,533.31
		8" ACP	1971	Quantities from GIS, unit pricing from estimate		2,094	$ 25,402.60
		8" ACP	1972	Quantities from GIS, unit pricing from estimate		1,938	$ 26,070.27
		8" ACP	1973	Quantities from GIS, unit pricing from estimate		6,653	$ 96,745.87
		8" ACP	1974	Quantities from GIS, unit pricing from estimate		6,831	$ 105,874.72
		8" ACP	1975	Quantities from GIS, unit pricing from estimate		49,832	$ 845,813.84
		8" ACP	1977	Quantities from GIS, unit pricing from estimate		7,370	$ 145,673.10
		8" ACP	1978	Quantities from GIS, unit pricing from estimate		16,989	$ 361,879.62
		8" ACP	1979	Quantities from GIS, unit pricing from estimate		4,942	$ 113,876.97
		8" ACP	1980	Quantities from GIS, unit pricing from estimate		1,706	$ 42,374.64
		8" ACP	1981	Quantities from GIS, unit pricing from estimate		7,549	$ 204,755.08
		8" ACP	2012	Quantities from GIS, unit pricing from estimate		430	$ 30,744.03
		8" PVC	1970	Quantities from GIS, unit pricing from estimate		346	$ 3,668.20
		8" PVC	1983	Quantities from GIS, unit pricing from estimate		1,492	$ 46,541.18

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		8" PVC	1984	Quantities from GIS, unit pricing from estimate		3,842	$ 122,229.73
		8" PVC	1985	Quantities from GIS, unit pricing from estimate		794	$ 25,549.19
		8" PVC	1987	Quantities from GIS, unit pricing from estimate		13,171	$ 445,308.18
		8" PVC	1988	Quantities from GIS, unit pricing from estimate		16,918	$ 586,647.87
		8" PVC	1990	Quantities from GIS, unit pricing from estimate		8,876	$ 322,292.20
		8" PVC	1991	Quantities from GIS, unit pricing from estimate		3,676	$ 136,365.76
		8" PVC	1992	Quantities from GIS, unit pricing from estimate		1,919	$ 73,418.31
		8" PVC	1993	Quantities from GIS, unit pricing from estimate		2,966	$ 118,574.34
		8" PVC	1994	Quantities from GIS, unit pricing from estimate		1,176	$ 48,812.47
		8" PVC	1996	Quantities from GIS, unit pricing from estimate		409	$ 17,626.35
		8" PVC	1997	Quantities from GIS, unit pricing from estimate		4,377	$ 195,693.34
		8" PVC	1998	Quantities from GIS, unit pricing from estimate		3,549	$ 161,226.12
		8" PVC	1999	Quantities from GIS, unit pricing from estimate		4,126	$ 191,811.88
		8" PVC	2000	Quantities from GIS, unit pricing from estimate		17,626	$ 841,402.41
		8" PVC	2001	Quantities from GIS, unit pricing from estimate		697	$ 33,916.65
		8" PVC	2002	Quantities from GIS, unit pricing from estimate		11,437	$ 573,796.70
		8" PVC	2003	Quantities from GIS, unit pricing from estimate		2,539	$ 130,439.13
		8" PVC	2004	Quantities from GIS, unit pricing from estimate		2,760	$ 150,691.88
		8" PVC	2005	Quantities from GIS, unit pricing from estimate		18,989	$ 1,084,944.19
		8" PVC	2006	Quantities from GIS, unit pricing from estimate		423	$ 25,135.71
		8" PVC	2007	Quantities from GIS, unit pricing from estimate		784	$ 47,935.30
		8" PVC	2011	Quantities from GIS, unit pricing from estimate		1,899	$ 132,177.28
		8" PVC	2012	Quantities from GIS, unit pricing from estimate		2,913	$ 208,075.48
		8" PVC	2013	Quantities from GIS, unit pricing from estimate		380	$ 27,836.86
		8" PVC	2014	Quantities from GIS, unit pricing from estimate		111	$ 8,385.04
		8" PVC	2017	Quantities from GIS, unit pricing from estimate		3,251	$ 267,817.00
		8" PVC	2018	Quantities from GIS, unit pricing from estimate		1,398	$ 118,706.70

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		8" DIP	1954	Quantities from GIS, unit pricing from estimate		862	$ 4,154.49
		8" DIP	1975	Quantities from GIS, unit pricing from estimate		274	$ 4,654.72
		8" CIP	1975	Quantities from GIS, unit pricing from estimate		123	$ 2,079.98
		20" ACP	1975	Quantities from GIS, unit pricing from estimate		4,544	$ 129,196.92
		16" ACP	1975	Quantities from GIS, unit pricing from estimate		349	$ 9,050.37
		12" PVC	1970	Quantities from GIS, unit pricing from estimate		1,503	$ 22,773.69
		12" PVC	2012	Quantities from GIS, unit pricing from estimate		81	$ 8,301.62
		12" PVC	2016	Quantities from GIS, unit pricing from estimate		1,348	$ 152,918.81
		15" PVC	2013	Quantities from GIS, unit pricing from estimate		916	$ 81,957.99
		15" PVC	2017	Quantities from GIS, unit pricing from estimate		2,253	$ 226,562.48
		18" PVC	1988	Quantities from GIS, unit pricing from estimate		1,496	$ 96,804.77
		18" PVC	2013	Quantities from GIS, unit pricing from estimate		2,835	$ 387,731.42
		18" PVC	2014	Quantities from GIS, unit pricing from estimate		139	$ 19,571.48
		18" PVC	2017	Quantities from GIS, unit pricing from estimate		621	$ 95,579.17
		10" DI	2020	Quantities from GIS, unit pricing from estimate		93	$ 8,118.65
		8" CSP	1978	Quantities from GIS, unit pricing from estimate		1,049	$ 22,339.74
		8" CSP	1983	Quantities from GIS, unit pricing from estimate		2,490	$ 77,680.40
		20" PVC	2014	Quantities from GIS, unit pricing from estimate		98	$ 12,406.81
		21" PVC	2014	Quantities from GIS, unit pricing from estimate		74	$ 9,339.15
	TOTAL COLLECTION SEWERS - GRAVITY - MAINS					**304,691**	**$ 10,812,977.75**
361.23	COLLECTION SEWERS - GRAVITY - MANHOLES						
		Manholes	1951	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		6	$ 2,077.71
		Manholes	1954	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		22	$ 8,810.81
		Manholes	1967	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		35	$ 23,972.08
		Manholes	1970	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		28	$ 24,659.55
		Manholes	1971	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		9	$ 9,074.19

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		Manholes	1972	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		6	$ 6,707.59
		Manholes	1973	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		40	$ 48,339.55
		Manholes	1974	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		30	$ 38,646.13
		Manholes	1975	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		297	$ 418,962.34
		Manholes	1977	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		50	$ 82,138.97
		Manholes	1978	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		83	$ 146,936.93
		Manholes	1979	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		24	$ 45,962.11
		Manholes	1980	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		9	$ 18,578.84
		Manholes	1981	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		36	$ 81,156.88
		Manholes	1983	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		17	$ 44,080.82
		Manholes	1984	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		24	$ 63,456.18
		Manholes	1985	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		5	$ 13,376.28
		Manholes	1987	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		67	$ 188,257.68
		Manholes	1988	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		89	$ 256,487.24
		Manholes	1990	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		40	$ 120,708.58
		Manholes	1991	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		30	$ 92,502.00
		Manholes	1992	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		16	$ 50,864.94
		Manholes	1993	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		19	$ 63,128.39
		Manholes	1994	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		7	$ 24,141.72
		Manholes	1996	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		2	$ 7,168.03
		Manholes	1997	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		23	$ 85,453.87
		Manholes	1998	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		30	$ 113,259.95
		Manholes	1999	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		20	$ 77,279.51
		Manholes	2000	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		111	$ 440,368.85
		Manholes	2001	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		4	$ 16,180.36
		Manholes	2002	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		61	$ 254,336.19
		Manholes	2003	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		13	$ 55,496.10

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		Manholes	2004	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		15	$ 68,061.20
		Manholes	2005	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		98	$ 465,353.00
		Manholes	2006	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		4	$ 19,772.02
		Manholes	2007	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		36	$ 182,884.21
		Manholes	2011	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		9	$ 52,057.49
		Manholes	2012	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		17	$ 100,911.05
		Manholes	2013	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		14	$ 85,237.04
		Manholes	2014	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		4	$ 25,014.12
		Manholes	2016	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		5	$ 32,964.00
		Manholes	2017	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		36	$ 246,501.10
		Manholes	2018	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		11	$ 77,599.65
		Manholes	2019	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		2	$ 14,388.35
		Manholes	2020	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		8	$ 58,497.23
		Manholes	2021	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		2	$ 14,624.31
	TOTAL COLLECTION SEWERS - GRAVITY - MANHOLES					**1,514**	**$ 4,366,435.15**
363.20	SERVICES TO CUSTOMERS						
		4" PVC	1982	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		3,190	$ 102,469.43
		4" PVC	1985	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		1,485	$ 52,315.53
		4" PVC	1986	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		1,320	$ 47,611.22
		4" PVC	1987	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		996	$ 36,853.27
		4" PVC	1988	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		2,952	$ 112,029.11
		4" PVC	1989	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		5,578	$ 216,183.43
		4" PVC	1993	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		1,629	$ 71,273.98
		4" PVC	1995	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		628	$ 28,853.50
		4" PVC	1996	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		227	$ 10,713.57
		4" PVC	1997	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		936	$ 45,795.05
		4" PVC	1998	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		2,142	$ 106,491.11

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		4" PVC	1999	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		1,592	$ 81,005.82
		4" PVC	2000	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		622	$ 32,495.47
		4" PVC	2001	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		6,397	$ 340,755.79
		4" PVC	2002	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		2,486	$ 136,495.47
		4" PVC	2003	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		464	$ 26,084.10
		4" PVC	2004	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		6,820	$ 407,503.61
		4" PVC	2012	Number of customers since 2004. Average year and estimated length of laterals used. Estimated Unit Price used.		54,800	$ 4,283,602.02
		4" ACP	1970	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		6,016	$ 69,770.80
		4" ACP	1976	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		13,260	$ 267,367.04
		4" ACP	1978	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		2,749	$ 64,086.47
		4" ACP	1980	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		2,951	$ 80,220.26
	TOTAL SERVICES TO CUSTOMERS					**119,240**	**$ 6,619,976.03**
365.20	FLOW MEASURING INSTALLATIONS						
	Woodview Apt., Matthew Road, and Erin Glen	Meter Pits	1976	Exhibit No. 3, Appendix D			$ 78,670.00
	TOTAL FLOW MEASURING INSTALLATIONS						**$ 78,670.00**
391.70	TRANSPORTATION EQUIPMENT						
		2018 Carmate 20' Custom Cargo Trailer	2018	Township Records			$ 7,264.50
		2011 GMC PICKUP TRUCK	2011	Township Records			$ 23,738.01
		2011 GMC PICKUP TRUCK	2011	Township Records			$ 20,470.45
	TOTAL TRANSPORTATION EQUIPMENT						**$ 51,472.96**
	SYSTEM TOTAL						**$ 43,271,175.81**

APPENDICES

APPENDIX A

SYSTEM MAPS

- **A1 – East Whiteland Township Sanitary Sewer Collection System**

APPENDIX B

- **Uniform System of Accounts - Section 300**
- **PA ACT 12 of 2016**

WASTEWATER UTILITY PLANT ACCOUNTS

	.1	.2
	Intangible Plant	Collection Plant
351. Organization	351.1	XXXXXXXXXX
352. Franchises	352.1	XXXXXXXXXX
353. Land and Land Rights	XXXXXXXXXX	353.2
354. Structures and Improvements	XXXXXXXXXX	354.2
355. Power Generation Equipment	XXXXXXXXXX	355.2
360. Collection Sewers - Force	XXXXXXXXXX	360.2
361. Collection Sewers - Gravity	XXXXXXXXXX	361.2
362. Special Collecting Structures	XXXXXXXXXX	362.2
363. Services to Customers	XXXXXXXXXX	363.2
364. Flow Measuring Devices	XXXXXXXXXX	364.2
365. Flow Measuring Installations	XXXXXXXXXX	365.2
366. Reuse Services	XXXXXXXXXX	XXXXXXXXXX
367. Reuse Meters and Meter Installations	XXXXXXXXXX	XXXXXXXXXX
370. Receiving Wells	XXXXXXXXXX	XXXXXXXXXX
371. Pumping Equipment	XXXXXXXXXX	XXXXXXXXXX
374. Reuse Distribution Reservoirs	XXXXXXXXXX	XXXXXXXXXX
375. Reuse Transmission and Distribution System	XXXXXXXXXX	XXXXXXXXXX
380. Treatment and Disposal Equipment	XXXXXXXXXX	XXXXXXXXXX
381. Plant Sewers	XXXXXXXXXX	XXXXXXXXXX
382. Outfall Sewer Lines	XXXXXXXXXX	XXXXXXXXXX
389. Other Plant and Misc. Equipment	389.1	389.2
390. Office Furniture and Equipment	XXXXXXXXXX	XXXXXXXXXX
391. Transportation Equipment	XXXXXXXXXX	XXXXXXXXXX
392. Stores Equipment	XXXXXXXXXX	XXXXXXXXXX
393. Tools, Shop and Garage Equipment	XXXXXXXXXX	XXXXXXXXXX
394. Laboratory Equipment	XXXXXXXXXX	XXXXXXXXXX
395. Power Operated Equipment	XXXXXXXXXX	XXXXXXXXXX
396. Communication Equipment	XXXXXXXXXX	XXXXXXXXXX
397. Miscellaneous Equipment	XXXXXXXXXX	XXXXXXXXXX
398. Other Tangible Plant	XXXXXXXXXX	XXXXXXXXXX

WASTEWATER UTILITY PLANT ACCOUNTS

.3	.4	.5	.6	.7
System Pumping Plant	Treatment and Disposal Plant	Reclaimed Water Treatment Plant	Reclaimed Water Distribution Plant	General Plant
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	352.6	XXXXXXXXXX
353.3	353.4	353.5	353.6	353.7
354.3	354.4	354.5	354.6	354.7
355.3	355.4	355.5	355.6	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	366.6	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	367.6	XXXXXXXXXX
370.3	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
371.3	XXXXXXXXXX	371.5	371.6	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	374.5	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	375.6	XXXXXXXXXX
XXXXXXXXXX	380.4	380.5	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	381.4	381.5	XXXXXXXXXX	XXXXXXXXXX
XXXXXXXXXX	382.4	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
389.3	389.4	389.5	389.6	XXXXXXXXXX
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	390.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	391.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	392.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	393.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	394.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	395.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	396.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	397.7
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	398.7

WASTEWATER UTILITY PLANT ACCOUNTS

The wastewater utility plant accounts have been designed utilizing an account matrix. The matrix employs a list of object accounts which in effect act as control accounts. The object accounts are further segregated by the matrix into classifications by functions or subaccount. The instructions for segregating the object accounts to the function subaccount are contained in Accounting Instruction 32. Listed below are the object account descriptions.

351. Organization

This account shall include all fees paid to federal or state governments for the privilege of incorporation and expenditures incident to organizing the corporation, partnership or other enterprise and putting it into readiness to do business. A sample of items to be included in this account are listed below.

1. Actual cost of obtaining certificates authorizing an enterprise to engage in the public utility business.
2. Fees and expenses for incorporation.
3. Fees and expenses for mergers or consolidations.
4. Office expenses incident to organizing the utility.
5. Stock and minute books and corporate seal.

Note A:--This account shall not include any discounts upon securities issued or assumed; nor shall it include any costs incident to negotiating loans, selling bonds or other evidences of debt, or expenses in connection with the authorization, issuance and sale of capital stock.

Note B:--Exclude from this account and include in the appropriate expense account the cost of preparing and filing papers in connection with the extension of the term of incorporation unless the first organization costs have been written off. Where charges are made to this account for expenses incurred in mergers, consolidations or reorganizations, amounts previously included herein or in similar accounts in the books of the companies concerned shall be excluded from this account.

352. Franchises

A. This account shall include amounts paid to the federal government, to a state or to a political subdivision thereof in consideration for franchises, consents or certificates, running in perpetuity or for a specified term of more than one year, together with necessary and reasonable expenses incident to procuring such franchises, consents or certificates of permission and approval, including expenses of organizing and merging separate corporations, where statutes require solely for the purpose of acquiring franchise.

B. If a franchise or certificate is acquired by assignment, the charge to this account in respect thereof shall not exceed the amount paid therefor by the utility to the assignor, nor shall it exceed the amount paid by the original grantee, plus the expense of acquisition to such grantee. Any excess of the amount actually paid by the utility over the amount specified shall be charged to account 426 - Miscellaneous Nonutility Expenses.

C. When any franchise has expired, the book cost thereof shall be credited hereto and charged to account 426 - Miscellaneous Nonutility Expenses, or to account 110.1 - Accumulated Amortization of Utility Plant in Service, as appropriate.

D. Records supporting this account shall be kept so as to show separately the book cost of each franchise.

Note:--Annual or other periodic payments under franchises shall not be included herein but in the appropriate expense account.

353. Land and Land Rights

This account shall include the cost of land and land rights used in connection with wastewater collection, pumping, treatment and disposal, reclaimed water treatment and distribution and general plant operations (See Accounting Instruction 24). A sample of items to be included in this account are listed below:

1. Bulkheads buried, not requiring maintenance or replacement.
2. Cost, first, of acquisition including mortgages and other liens assumed (but not subsequent interest thereon).
3. Condemnation proceedings, including court and counsel costs.
4. Consents and abutting damages, payment for.
5. Conveyancers' and notaries' fees.
6. Fees, commissions, and salaries to brokers, agents, and others in connection with the acquisition of the land or land rights.
7. Leases, cost of voiding upon purchase to secure possession of land.
8. Removing, relocating, or reconstructing property of others, such as buildings, highways, railroads, bridges, cemeteries, churches, telephone and power lines, etc., in order to acquire quiet possession.
9. Retaining walls unless identified with structures.
10. Special assessments levied by public authorities for public improvements on the basis of benefits for new

roads, new bridges, new sewers, new curbing, new pavements, and other public improvements, but not taxes levied to provide for the maintenance of such improvements.

11. Surveys in connection with the acquisition, but not amounts paid for topographical surveys and maps where such costs are attributable to structures or plant equipment erected or to be erected or installed on such land.
12. Taxes assumed, accrued to date of transfer of title.
13. Title, examining, clearing, insuring and registering in connection with the acquisition and defending against claims relating to the period prior to the acquisition.
14. Appraisals prior to closing title.
15. Cost of dealing with distributees or legatees residing outside of the state or county, such as recording power of attorney, recording will or exemplification of will, recording satisfaction of state tax.
16. Filing satisfaction of mortgage.
17. Documentary stamps.
18. Photographs of property at acquisition.
19. Fees and expenses incurred in the acquisition of sewer rights, and grants.
20. Cost of fill to extend bulkhead line over land under water, where riparian rights are held, which is not occasioned by the erection of a structure.
21. Sidewalks and curbs constructed by the utility on public property.
22. Labor and expenses in connection with securing rights of way, where performed by company employees and company agents.

354. Structures and Improvements

This account shall include the cost in place of structures and improvements used in connection with wastewater collection, pumping, treatment and disposal, reclaimed water treatment and distribution and general plant operations (See Accounting Instruction 25). A sample of items to be included in this account are listed below:

1. Architects' plans and specifications including supervision.
2. Boilers, furnaces, piping, wiring, fixtures, and machinery for heating, lighting, signaling, ventilating and air conditioning systems, plumbing, vacuum cleaning systems, incinerator and smoke pipe, flues, etc.

3. Bulkheads, including dredging, riprap fill, piling, decking, concrete fenders, etc., when exposed and subject to maintenance and replacement.
4. Commissions and fees to brokers, agents, architects and others.
5. Conduit (not to be removed) with its contents.
6. Damages to abutting property during construction.
7. Drainage systems.
8. Elevators, cranes, hoists, etc., and the machinery for operating them.
9. Excavation, including shoring, bracing, bridging, refill and disposal of excess excavated material, cofferdams around foundations, pumping water from cofferdam during construction, test borings.
10. Fences and fence curbs (not including protective fences isolating items of equipment, which should be charged to the appropriate equipment account).
11. Fire protection systems when forming a part of a structure.
12. Flagpole.
13. Floor covering (permanently attached).
14. Foundations and piers for machinery, constructed as a permanent part of a building or other item listed herein.
15. Grading and clearing when directly occasioned by the building of a structure.
16. Intrasite communication system, poles, pole fixtures, wires and cables.
17. Landscaping, lawns, shrubbery, etc.
18. Leases, voiding upon purchase, to secure possession of structures.
19. Leased property, expenditures on.
20. Lighting fixtures and outside lighting systems.
21. Marquee, permanently attached to building.
22. Painting, first cost.
23. Permanent paving, concrete, brick, flagstone, asphalt, etc., within the property lines.
24. Partitions, including movable.
25. Permits and privileges.
26. Power boards for services to a building.
27. Refrigerating systems for general use.
28. Retaining walls except when identified with land.
29. Roadways.
30. Roofs.
31. Scales, connected to and forming a part of a structure.
32. Water and wastewater systems, for general use.
33. Sidewalks, culverts, curbs and streets constructed by the utility on its property.

34. Sprinkling systems.
35. Stacks -- brick, steel, or concrete, when set on foundation forming part of general foundation and steelwork of a building.
36. Steel inspection during construction.
37. Storage facilities constituting a part of a building.
38. Storm doors and windows.
39. Temporary heating during construction (net cost).
40. Temporary water connection during construction (net cost).
41. Temporary shanties and other facilities used during construction (net cost).
42. Topographical maps.
43. Vaults constructed as part of a building.
44. Watchmen's sheds and clock systems (net cost when used during construction only).
45. Water meters and supply system for a building or for general company purposes.
46. Water supply piping, hydrants and wells.
47. Yard surfacing, gravel, concrete, or oil (First cost only).
48. Tunnels, intake and discharge when constructed as part of a structure including sluice gates and those constructed to house.

355. Power Generation Equipment

A. This account shall include the cost installed of any equipment used for the production of power principally used in pumping operations.

B. Subaccounts shall be maintained hereunder for the cost of equipment used for each type of power generating equipment.

360. Collecting Sewers - Force

This account shall include all sewers which are used to lift sewage from a low elevation to a higher elevation. The force sewer will include that pipe between the discharge outlet of the lift station and the receiving manhole.

361. Collecting Sewers - Gravity

This account shall include the installed cost of all gravity collecting sewers, interceptor, branch, trunk, lateral including service wye, and manholes and lampholes. Manholes shall be included as a separate unit of property.

362. Special Collecting Structures

Inverted siphon shall be included in this account but so

distinctly noted; also any other special designed structures unusual to the wastewater system should be included herein but specifically noted as to what they do.

363. Services to Customers

This account shall include the installed cost of service sewers, from collection sewer to the customer's property or curb line. A sample of items to be included in this account are listed below:

1. Jointing and jointing material.
2. Manhole or clean-out.
3. Municipal inspection and permits
4. Pavement disturbed.
5. Protection of street openings.
6. Tapping saddle.
7. Service connection wye shall be included in account 363 instead of account 361 when company owns service sewers to customers property line.

364. Flow Measuring Devices

A. This account shall include the cost of flow measuring and recording equipment and initial testing used for measuring the quantity of wastewater or wastewater effluent delivered by customers, whether actually in service or held in reserve.

B. When flow measuring equipment is permanently retired from service, the amount at which it is included herein shall be credited to this account.

C. The records covering flow measuring equipment shall be so kept that the utility can furnish information as to the number of devices of each type and size in service and in reserve, as well as the location of each device included in this account.

365. Flow Measuring Installations

A. This account shall include the cost of labor employed, materials used and expenses incurred in connection with the original installation of customers' flow measuring equipment. A sample of items to be included in this account are listed below:

1. Floats, connections, flumes, or wires.
2. Special manhole, boxes, or other separate housing.

B. When a flow measuring installation is permanently retired from service, the cost thereof shall be credited to this account.

366. Reuse Services

A. This account shall include the cost installed of reclaimed water service pipes and accessories leading to the customers' premises.

B. A complete reclaimed water service begins with the connection on the main and extends to but does not include the connection with the customer's meter. A stub service extends from the main to the property line, or the curb stop (curb stop cock).

C. Services which have been used but have become inactive shall be retired from utility plant in service immediately if there is no prospect for future use.

Items

1. Corporation stops or tees.
2. Gate valves and boxes.
3. Goose necks.
4. Jointing and jointing material.
5. Municipal inspection or permits.
6. Pavements disturbed.
7. Pipes.
8. Placing pipes and accessories.
9. Protection of street openings.
10. Service or curb boxes.
11. Service or curb stops (curb stop cocks).
12. Tapping main.
13. Tapping saddle.

367. Reuse Meters and Meter Installations

A. This account shall include the cost of meters, devices and appurtenances attached thereto, used for measuring the quantity of reclaimed water delivered to users, whether actually in service or held in reserve. It shall also include the cost of labor employed, materials used and expenses incurred in connection with the original installation of a customer's meters and devices and appurtenances attached thereto.

B. When a meter and/or meter installation is permanently retired from service, the amount at which it is included herein shall be credited to this account.

C. The records covering meters shall be so kept that the utility can furnish information as to the number of meters of each type and size in service and in reserve as well as the location of each meter included in this account.

D. A sample of items to be included in this account are listed

below:

1. Meters, including badging and initial testing.
2. Remote meter registers.
3. Installation labor (first installation only).
4. Meter coupling.
5. Meter bars.
6. Meter yokes.
7. Meter fittings, connections and shelves.
8. Meter vaults or boxes.
9. Stops.

Note A:--This account shall not include meters for recording the output of a supply or treatment plant, or those located on mains. It includes only those meters to record reclaimed water delivered to customers, including company use and for those used elsewhere in the system if a type available for general use.

Note B:--The utility shall maintain a statistical record to show separately the number of each type and size of meter or group of types and sizes as carried in the continuing property record. Underlying records shall be kept so that the utility can determine readily for each such classification the number of company-owned meters in service (subdivided between active and inactive) and the number of meters carried herein but not in service, the latter to include meters undergoing repairs; and the number of meters in service owned by customers.

370. Receiving Wells

This account shall include the cost of constructing wells at pumping stations or at other junction points along the collecting system, used for intercepting wastewater for clearing and screening, transfer to a pumping well or otherwise further convey it along the collecting system to the treatment plant or point of final
discharge. This account shall include any chemical feed apparatus and holding basins associated with the receiving well.

371. Pumping Equipment

This account shall include the cost installed of pumping equipment driven by electric power or diesel engines. A sample of items to be included in this account are listed below:

1. Motors or engines for driving pumps.
2. Pumps, including settings, gearing, shafting and belting.
3. Sewage piping within station, including valves.
4. Auxiliary equipment for motors and pumps such as oiling systems, cooling systems, condensers, etc.

5. Electrical power lines and switching.
6. Foundations, frames, and bed plates.
7. Hoist units.

374. Reuse Distribution Reservoirs

This account shall include the cost in place of reservoirs, tanks and appurtenances used in storing reclaimed water for distribution. A sample of items to be included in this account are listed below:

1. Bridges and culverts.
2. Clearing land.
3. Dams.
4. Embankments.
5. Fences.
6. Foundations.
7. Gates and gate houses.
8. Landscaping.
9. Lighting systems.
10. Piping system within reservoirs.
11. Retaining walls.
12. Roads and paths.
13. Rust-proofing apparatus.
14. Sewer drain or storm sewer.
15. Spillways and channels.
16. Standpipes.
17. Tanks.
18. Towers.
19. Valves.

375. Reuse Transmission and Distribution System

A. This account shall include the cost installed of reclaimed water transmission and distribution mains and appurtenances. A sample of items to be included in this account are listed below:

1. Air chambers.
2. Blow-offs and overflows.
3. Bridges and culverts.
4. Electrolysis control equipment.
5. Gauges and recorders.
6. Jointing and jointing material.
7. Manholes.
8. Meters and appurtenances.
9. Municipal inspection or permits.
10. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
11. Pipes.
12. Fire mains.
13. Fire Hydrants.

B. Records supporting this account shall be so kept as to show separately the cost of mains of different sizes and types and of each tunnel, bridge, or river crossing.

380. Treatment and Disposal Equipment

This account shall include the cost installed of apparatus equipment and other facilities used for the treatment of wastewater, disposal of sewage wastes and the treatment of effluent for reuse. A sample of items to be included in this account are listed below:

1. Aeration chambers.
2. Chemical equipment.
3. Disinfection facilities.
4. Filters.
5. Imhoff tank.
6. Land fill equipment and appurtenances.
7. Monitoring equipment.
8. Oxidation pond or lagoon.
9. Sedimentation equipment.
10. Septic tank.
11. Screen unit.
12. Sludge system.
13. Trucks, tractors, or other equipment used primarily for sludge or other waste disposal.
14. Package mechanical treatment plant.
15. Sedimentation basin.
16. Sludge digestion equipment.
17. Sludge filtration or dewatering equipment.

381. Plant Sewers

This account shall include the cost installed of plant yard piping and appurtenances, and facilities required to dispose of treatment plant liquid effluent into the outfall sewer line. A sample of items to be included in this account are listed below:

1. Unit to unit sections of yard piping.
2. Valves and vaults.
3. Pipe tunnels and galleries.
4. Filter and filter backwash piping.

382. Outfall Sewer Lines

This account shall include the installed cost of sewer line carrying effluent from treatment facility to point of discharge. Includible in this account would be headwall or outlet.

389. Other Plant and Miscellaneous Equipment

This account shall include the cost installed of all other intangible, collection system pumping, treatment and disposal, reclaimed water treatment and reclaimed water distribution plant not provided for in the foregoing accounts.

390. Office Furniture and Equipment

A. This account shall include the cost of office furniture and equipment owned by the utility and devoted to utility service, and not permanently attached to buildings, except the cost of such furniture and equipment which the utility elects to assign to other plant accounts on a functional basis. A sample of items to be included in this account are listed below:

1. Book cases and shelves.
2. Desk, chairs, and desk equipment.
3. Drafting room equipment.
4. Electronic data processing equipment.
5. Filing, storage and other cabinets.
6. Floor covering.
7. Library and library equipment.
8. Mechanical office equipment such as accounting machines, typewriters, etc.
9. Safes.
10. Tables.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

391. Transportation Equipment

This account shall include the cost of transportation vehicles used for utility purposes. A sample of items to be included in this account are listed below:

1. Airplanes.
2. Automobiles.
3. Bicycles.
4. Electrical vehicles.
5. Motor trucks.
6. Motorcycles.
7. Repair cars or trucks.
8. Tractors and trailers.
9. Other transportation vehicles.

392. Stores Equipment

A. This account shall include the cost of equipment used for the receiving, shipping, handling and storage of materials and supplies.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location. A sample of items to be included in this account are listed below:

1. Chain falls.
2. Counters.
3. Cranes (portable).
4. Elevating and stacking equipment (portable).
5. Hoists.
6. Lockers.
7. Scales.
8. Shelving.
9. Storage bins.
10. Trucks, hand and power driven.
11. Wheelbarrows.

393. Tools, Shop and Garage Equipment

This account shall include the cost of tools, implements, and equipment used in construction, repair work, general shops and garages and not specifically provided for or includible in other accounts. A sample of items to be included in this account are listed below:

1. Air compressors.
2. Anvils.
3. Automobile repair shop equipment.
4. Battery charging equipment.
5. Belts, shafts and countershafts.
6. Boilers.
7. Cable pulling equipment.
8. Concrete mixers.
9. Drill presses.
10. Derricks.
11. Electric equipment.
12. Engines.
13. Forges.
14. Furnaces.
15. Foundations and settings specially constructed for and not expected to outlast the equipment for which provided.
16. Gas producers.
17. Gasoline pumps, oil pumps and storage tanks.
18. Greasing tools and equipment.

19. Hoists.
20. Ladders.
21. Lathes.
22. Machine tools.
23. Motor driven tools.
24. Motors.
25. Pipe threading and cutting tools.
26. Pneumatic tools.
27. Pumps.
28. Riveters.
29. Smithing equipment.
30. Tool racks.
31. Vises.
32. Welding apparatus.
33. Work benches.

394. Laboratory Equipment

A. This account shall include the cost installed of laboratory equipment used for general laboratory purposes and not specifically provided for or includible in other departmental or functional plant accounts. A sample of items to be included in this account are listed below:

1. Autoclaves.
2. Barometers.
3. Cameras.
4. Centrifuge.
5. Distilling apparatus.
6. Furnaces.
7. Microscopes.
8. Ovens.
9. Pitometers.
10. Rain gauges.
11. Refrigerators.
12. Scales.
13. Sterilizers.
14. Stop watches.
15. Testing machines.
16. Therometers.
17. Voltmeters.
18. Other bacteriological, electric, chemical hydraulic or research equipment.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

395. Power Operated Equipment

This account shall include the cost of power operated equipment used in construction of repair work exclusive of equipment includible in other accounts. Include, also, the tools and accessories acquired for use with such equipment and the vehicle on which such equipment is mounted. A sample of items to be included in this account are listed below:

1. Air compressors, including driving unit and vehicle.
2. Back filling machines.
3. Boring machines.
4. Bulldozers.
5. Cranes and joists.
6. Diggers.
7. Engines.
8. Pile drivers.
9. Pipe cleaning machines.
10. Pipe coating or wrapping machines.
11. Tractors - Crawler type.
12. Trenchers.
13. Other power operated equipment.

Note:--It is intended that this account include only such large units as are generally self-propelled or mounted on moveable equipment.

396. Communication Equipment

This account shall include the cost installed of telephone, telegraph and wireless equipment for general use in connection with utility operations. A sample of items to be included in this account are listed below:

1. Antennae.
2. Booths.
3. Cables.
4. Distribution boards.
5. Extension cords.
6. Gongs.
7. Handsets, manual and dial.
8. Insulators.
9. Intercommunicating sets.
10. Loading coils.
11. Operators desks.
12. Poles and fixtures used wholly for telephone and telegraph wires.
13. Radio transmitting and receiving sets.
14. Remote control equipment and lines.
15. Sending keys.
16. Storage batteries.

17. Switchboards.
18. Teleautograph circuit connections.
19. Telegraph receiving sets.
20. Telephone and telegraph circuits.
21. Testing instruments.
22. Towers.
23. Underground conduit used wholly for telephone or telegraph wires and cable wires.

397. Miscellaneous Equipment

This account shall include the cost of equipment, apparatus, etc., used in utility operations, and which is not includible in any other account. A sample of items to be included in this account are listed below:

1. Hospital and infirmary equipment.
2. Kitchen equipment.
3. Recreation equipment.
4. Radios.
5. Restaurant equipment.
6. Soda fountains.
7. Operator's cottage furnishings.
8. Electric signs advertising the corporate name or symbol, plant or facility name, or otherwise serving only the general purpose of acquainting the public with the facilities and services of the utility.
9. Other miscellaneous equipment.

Note:--Miscellaneous equipment of the nature indicated above wherever practicable shall be included in the utility plant accounts on a functional basis.

398. Other Tangible Plant

This account shall include the cost of tangible utility plant not provided for elsewhere.

§ 1329. Valuation of acquired water and wastewater systems.

(a) Process to establish fair market value of selling utility.--Upon agreement by both the acquiring public utility or entity and the selling utility, the following procedure shall be used to determine the fair market value of the selling utility:

(1) The commission will maintain a list of utility valuation experts from which the acquiring public utility or entity and selling utility will choose.

(2) Two utility valuation experts shall perform two separate appraisals of the selling utility for the purpose of establishing its fair market value.

(3) Each utility valuation expert shall determine fair market value in compliance with the Uniform Standards of Professional Appraisal Practice, employing the cost, market and income approaches.

(4) The acquiring public utility or entity and selling utility shall engage the services of the same licensed engineer to conduct an assessment of the tangible assets of the selling utility. The assessment shall be incorporated into the appraisal under the cost approach required under paragraph (3).

(5) Each utility valuation expert shall provide the completed appraisal to the acquiring public utility or entity and selling utility within 90 days of execution of the service contract.

(b) Utility valuation experts.--

(1) The utility valuation experts required under subsection (a) shall be selected as follows:

(i) one shall be selected by the acquiring public utility or entity; and

(ii) one shall be selected by the selling utility.

(2) The utility valuation experts shall not:

(i) derive any material financial benefit from the sale of the selling utility other than fees for services rendered; or

(ii) be an immediate family member of a director, officer or employee of either the acquiring public utility, entity or selling utility within a 12-month period of the date of hire to perform an appraisal.

(3) Fees paid to utility valuation experts may be included in the transaction and closing costs associated with acquisition by the acquiring utility or entity. Fees eligible for inclusion may be of an amount not exceeding 5% of the fair market value of the selling utility or a fee approved by the commission.

(c) Ratemaking rate base.--The following apply:

(1) The ratemaking rate base of the selling utility shall be incorporated into the rate base of:

(i) the acquiring public utility during the acquiring public utility's next base rate case; or

(ii) the entity in its initial tariff filing.

(2) The ratemaking rate base of the selling utility shall be the lesser of the purchase price negotiated by the acquiring public utility or entity and selling utility or the fair market value of the selling utility.

(d) Acquisitions by public utility.--The following apply:

(1) If the acquiring public utility and selling utility agree to use the process outlined in subsection (a), the acquiring public utility shall include the following as an attachment to its application for commission approval of the acquisition filed pursuant to section 1102 (relating to enumeration of acts requiring certificate):

(i) Copies of the two appraisals performed by the utility valuation experts under subsection (a).

(ii) The purchase price of the selling utility as agreed to by the acquiring public utility and selling utility.

(iii) The ratemaking rate base determined pursuant to subsection (c)(2).

(iv) The transaction and closing costs incurred by the acquiring public utility that will be included in its rate base.

(v) A tariff containing a rate equal to the existing rates of the selling utility at the time of the acquisition and a rate stabilization plan, if applicable to the acquisition.

(2) The commission shall issue a final order on an application submitted under this section within six months of the filing date of an application meeting the requirements of subsection (d)(1).

(3) If the commission issues an order approving the application for acquisition, the order shall include:

(i) The ratemaking rate base of the selling utility, as determined under subsection (c)(2).

(ii) Additional conditions of approval as may be required by the commission.

(4) The tariff submitted pursuant to subsection (d)(1)(v) shall remain in effect until such time as new rates are approved for the acquiring public utility as the result of a base rate case proceeding before the commission. The acquiring public utility may collect a distribution system improvement charge during this time, as approved by the commission under this chapter.

(5) The selling utility's cost of service shall be incorporated into the revenue requirement of the acquiring public utility as part of the acquiring utility's next base rate case proceeding. The original source of funding for any part of the water or sewer assets of the selling utility shall not be relevant to determine the value of said assets.

(e) Acquisitions by entity.--An entity shall provide all the information required by subsection (d)(1) to the commission as an attachment to its application for a certificate of public convenience filed pursuant to section 1102.

(f) Postacquisition projects.--The following apply:

(1) An acquiring public utility's postacquisition improvements that are not included in a distribution improvement charge shall accrue allowance for funds used during construction after the date the cost was incurred until the asset has been in service for a period of four years or until the asset is included in the acquiring public utility's next base rate case, whichever is earlier.

(2) Depreciation on an acquiring public utility's postacquisition improvements that have not been included in the calculation of a distribution system improvement charge shall be deferred for book and ratemaking purposes.

(g) Definitions.--The following words and phrases when used in this section shall have the meanings given to them in this section unless the context clearly indicates otherwise:

"Acquiring public utility." A water or wastewater public utility subject to regulation under this title that is acquiring a selling utility as the result of a voluntary arm's-length transaction between the buyer and seller.

"Allowance of funds used during construction." An accounting practice that recognizes the capital costs, including debt and equity funds that are used to finance the construction costs of an improvement to a selling utility's assets by an acquiring public utility.

"Entity." A person, partnership or corporation that is acquiring a selling utility and has filed or whose affiliate has

filed an application with the commission seeking public utility status pursuant to section 1102.

"Fair market value." The average of the two utility valuation expert appraisals conducted under subsection (a)(2).

"Ratemaking rate base." The dollar value of a selling utility which, for postacquisition ratemaking purposes, is incorporated into the rate base of the acquiring public utility or entity.

"Rate stabilization plan." A plan that will hold rates constant or phase rates in over a period of time after the next base rate case.

"Selling utility." A water or wastewater company located in this Commonwealth, owned by a municipal corporation or authority that is being purchased by an acquiring public utility or entity as the result of a voluntary arm's-length transaction between the buyer and seller.

"Utility valuation expert." A person hired by an acquiring public utility and selling utility for the purpose of conducting an economic valuation of the selling utility to determine its fair market value.

(Apr. 14, 2016, P.L.76, No.12, eff. 60 days)

2016 Amendment. Act 12 added section 1329.

APPENDIX C

OWNED PROPERTY & EASEMENTS OF VALUE

- **See Section 8, Accounts 353.20 and 353.30**

APPENDIX D

SUPPORTING DOCUMENTS

- **EXHIBIT NO. 3**
- **EXHIBIT NO. 4**
- **EXHIBIT NO. 5**
- **PRICING STRUCTURE**

Exhibit No. 3
East Whiteland Township
Chester County, Pennsylvania
Capacity System Assets - Pump Stations

Pump Station		Year Placed in Service	Original Cost	Cost Index Original	Nov. 2005	2005 Replacement Cost	Cost Index Current	Trended Current Replacement Cost
~~Mill Lane~~	Replaced 2013	~~1976~~	~~$133,739~~	~~2401~~	~~7630~~	~~$425,000~~		
Deer Run		1976	78,670	2401	7630	250,000	11184	$366,441
Flat Road		1979	98,378	3003	7630	250,000	11184	366,441
~~Wilburdale~~	Replaced 2017	~~1979~~	~~98,378~~	~~3003~~	~~7630~~	~~250,000~~		
Meadowview		1980	106,067	3237	7630	250,000	11184	366,441
Lee Boulevard		1987	144,378	4406	7630	250,000	11184	366,441
Westgate		1988	148,080	4519	7630	250,000	11184	366,441
Church Road		1989	151,201	4615	7630	250,000	11184	366,441
Lapp Road		1995	179,265	5471	7630	250,000	11184	366,441
Hillbrook Circle		2002	214,220	6538	7630	250,000	11184	366,441
Frame Avenue		2002	214,220	6538	7630	250,000	11184	366,441
King Road		2004	233,129	7115	7630	250,000	11184	366,441
Three Meter Pits		1976	78,670	2401	7630	250,000	11184	366,441
			$1,646,278			**$2,750,000**		**$4,030,851**

Developer Built Subtractions

Pump Station		Year Placed in Service	Original Cost	Cost Index Original	Nov. 2005	2005 Replacement Cost	Cost Index Current	Trended Current Replacement Cost
Flat Road		1979	$98,378	3003	7630	$250,000	11184	$366,441
~~Wilburdale~~	Replaced 2017	~~1979~~	~~98,378~~	~~3003~~	~~7630~~	~~250,000~~		
Lapp Road		1995	179,265	5471	7630	250,000	11184	366,441
			$277,643			**$500,000**		**$732,882**

Exhibit No. 3
East Whiteland Township
Chester County, Pennsylvania
Capacity System Assets - Pump Stations

Capital Projects Completed by the Township Since 2005

Description	Year Placed in Service	Original Cost	Cost Index Original	Cost Index Current	Trended Current Replacement Cost
Wilson Road PS Improvements - Tredyffrin Twp.	2012	$911,521	9308	11184	$1,095,199
Mill Lane Pump Station	2013	3,001,023	9547	11184	3,515,639
Wilburdale Pump Station	2017	533,051	10738	11184	555,196
Church Road PS Upgrade	2005	177,000	7446	11184	265,848
Deer Run PS Generator	2017	51,550	10738	11184	53,692
Lee Boulevard Pump Station and Force Main	2008	556,177	8310	11184	748,523
		$5,230,322			**$6,234,097**

Associated Retirements	Year Placed in Service	Original Cost	Cost Index Original	Cost Index Current	Trended Current Replacement Cost
Deer Run PS Generator	1975	$(10,619)	2212	11184	$(53,692)
		$(10,619)			**$(53,692)**
	Net Total	**$6,588,338**			**$9,478,375**

Exhibit No. 4
East Whiteland Township
Chester County, Pennsylvania
Capacity System Assets - Sewers

Force Mains

Year Placed in Service	Size	Length	2005 Cost Per Foot		Total 2005 Replacement Cost	Cost Index Original	Cost Index Nov. 2005	Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
1976	14" DIP	3,600	$180.69		$650,484	2401	7630	$204,694	11184	$953,456
1976	4"	730	119.72		87,396	2401	7630	27,502	11184	128,101
1979	4"	1,600	119.72		191,552	3003	7630	75,378	11184	280,770.04
1979	6"	2,240	127.80		286,272	3003	7630	112,652	11184	419,607
1980	4"	1,600	119.72		191,552	3237	7630	81,269	11184	280,770
1972	6"	3,200	127.80		408,960	1753	7630	93,959	11184	599,439
1988	8"	1,700	140.84		239,428	4519	7630	141,818	11184	350,945
1989	8"	1,340	140.84		188,726	4615	7630	114,142	11184	276,627
1991	6"	2,335	127.80		298,413	4835	7630	189,102	11184	437,403
1995	6"	4,600	127.80		587,880	5471	7630	421,545	11184	861,693
2002	4"	795	119.72		95,177	6538	7630	81,556	11184	139,508
2002	6"	1,600	127.80		204,480	6538	7630	175,215	11184	299,719
2004	6"	1,600	127.80		204,480	7115	7630	190,681	11184	299,719
		26,940			**$3,634,800**			**$1,909,513**		**$5,327,759**

Exhibit No. 4
East Whiteland Township
Chester County, Pennsylvania
Capacity System Assets - Sewers

Gravity Sewer Mains

Year Placed in Service	Size	Length	2005 Cost Per Foot	Number of Manholes	2005 Cost Per Manhole	Total 2005 Replacement Cost	Cost Index Original	Cost Index Nov. 2005	Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
1970	18"	320	$153.87	3	$4,748.50	$63,484	1381	7630	$11,490	11184	$93,052
1970	12"	4,410	126.51	14	4,748.50	624,388	1381	7630	113,012	11184	915,206
1970	10"	840	121.04	5	4,748.50	125,416	1381	7630	22,700	11184	183,830
1976	36"	100	$226.57	1	4,748.50	27,406	2401	7630	8,624	11184	40,170
1976	27"	4,000	190.22	12	4,748.50	817,862	2401	7630	257,364	11184	1,198,793
1976	24"	680	164.87	4	4,748.50	131,106	2401	7630	41,256	11184	192,170
1976	12"	3,221	126.51	18	4,748.50	492,962	2401	7630	155,125	11184	722,566
1976	10"	3,876	121.04	17	4,748.50	549,876	2401	7630	173,034	11184	805,988
1982	10"	2,240	$121.04	7	4,748.50	304,369	3825	7630	152,587	11184	446,133
		19,687		**81**		**$3,136,868**			**$935,192**		**$4,597,908**

Developer Built Subtractions

Year Placed in Service	Size	Length	2005 Cost Per Foot	Number of Manholes	2005 Cost Per Manhole	Total 2005 Replacement Cost	Cost Index Original	Cost Index Nov. 2005	Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
1970	10"	840	$121.04	3	$4,748.50	$115,919	1381	7630	$20,981	11184	$169,910
1970	12"	4,410	126.51	14	4,748.50	624,388	1381	7630	113,012	11184	915,206
		5,250		**17**		**$740,307**			**$133,993**		**$1,085,116**

Capital Projects Completed by the Township Since 2005

Description	Year Placed in Service	Original Cost	Cost Index Original	Cost Index Current	Trended Current Replacement Cost
Conestoga Road Sewer Main	2015	$1,853,778	10036	11184	$2,065,864
		$1,853,778			**$2,065,864**
Associated Retirements					
Conestoga Road Sewer Main	1975	$(408,600)	2212	11184	$(2,065,864)
		$(408,600)			**$(2,065,864)**
	Net Total	**$2,246,377**			**$3,512,792**

Exhibit No. 5
East Whiteland Township
Chester County, Pennsylvania
Collection System Assets - Sewers

Gravity Sewer Mains

Year Placed in Service	Size	Length	2005 Cost Per Foot	Number of Manholes	2005 Cost Per Manhole	Total 2005 Replacement Cost	Cost Index Original	Cost Index Nov. 2005	Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
1970	8"	23,200	$111.50	81	$4,748.50	$2,971,429	1381	7630	$537,817	11184	$4,355,413
1976	8"	51,134	111.50	214	4,748.50	6,717,620	2401	7630	2,113,893	11184	9,846,446
1978	8"	10,600	111.50	49	4,748.50	1,414,577	2776	7630	514,661	11184	2,073,435.44
1980	8"	11,380	111.50	54	4,748.50	1,525,289	3237	7630	647,132	11184	2,235,714
1982	8"	12,300	111.50	64	4,748.50	1,675,354	3825	7630	839,891	11184	2,455,674
1985	8"	5,725	111.50	27	4,748.50	766,547	4195	7630	421,425	11184	1,123,577
1986	8"	5,090	111.50	31	4,748.50	714,739	4295	7630	402,310	11184	1,047,638
1987	8"	3,840	111.50	14	4,748.50	494,639	4406	7630	285,660	11184	725,024
1988	8"	11,385	111.50	53	4,748.50	1,521,098	4519	7630	900,980	11184	2,229,571
1989	8"	21,508	111.50	94	4,748.50	2,844,501	4615	7630	1,720,370	11184	4,169,367
1993	8"	6,280	111.50	35	4,748.50	866,418	5210	7630	591,664	11184	1,269,964
1995	8"	2,420	111.50	9	4,748.50	312,567	5471	7630	224,129	11184	458,149
1996	8"	875	111.50	4	4,748.50	116,557	5622	7630	85,885	11184	170,844
1997	8"	3,610	111.50	18	4,748.50	487,988	5825	7630	372,552	11184	715,275
1998	8"	8,260	111.50	37	4,748.50	1,096,685	5920	7630	850,961	11184	1,607,481
1999	8"	6,140	111.50	40	4,748.50	874,550	6060	7630	694,539	11184	1,281,884
2000	8"	2,400	111.50	11	4,748.50	319,834	6221	7630	260,778	11184	468,800
2001	8"	24,669	111.50	150	4,748.50	3,462,869	6342	7630	2,878,462	11184	5,075,748
2002	8"	9,585	111.50	59	4,748.50	1,348,889	6538	7630	1,155,837	11184	1,977,153
2003	8"	1,791	111.50	11	4,748.50	251,930	6695	7630	221,044	11184	369,270
2004	8"	26,300	111.50	134	4,748.50	3,568,749	7115	7630	3,327,909	11184	5,230,944
		248,492		**1,189**		**$33,352,825**			**$19,047,899**		**$48,887,372**

Exhibit No. 5
East Whiteland Township
Chester County, Pennsylvania
Collection System Assets - Sewers

Developer Built Subtractions

Year Placed in Service	Size	Length	2005 Cost Per Foot	Number of Manholes	2005 Cost Per Manhole	Total 2005 Replacement Cost	Cost Index Original	Cost Index Nov. 2005	Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
1970	8"	9,156	$111.50	32	$4,748.50	$1,175,150	1381	7630	$212,697.50	11184	$1,722,492
1976	8"	20,179	111.50	86	4,748.50	2,657,665	2401	7630	836,311	11184	3,895,509
1978	8"	4,183	111.50	20	4,748.50	559,765	2776	7630	203,658	11184	820,484
1980	8"	4,491	111.50	22	4,748.50	603,612	3237	7630	256,093	11184	884,753
1982	8"	4,854	111.50	26	4,748.50	663,144	3825	7630	332,448	11184	972,012
1985	8"	2,259	111.50	11	4,748.50	303,346	4195	7630	166,771	11184	444,634
1986	8"	2,009	111.50	12	4,748.50	283,025	4295	7630	159,308	11184	414,847
1987	8"	1,515	111.50	6	4,748.50	195,637	4406	7630	112,983	11184	286,758
1988	8"	4,493	111.50	21	4,748.50	601,927	4519	7630	356,535	11184	882,283
1989	8"	8,488	111.50	38	4,748.50	1,125,463	4615	7630	680,687	11184	1,649,664
1993	8"	2,478	111.50	14	4,748.50	343,007	5210	7630	234,235	11184	502,767
1995	8"	955	111.50	4	4,748.50	123,630	5471	7630	88,650	11184	181,212
1996	8"	345	111.50	2	4,748.50	46,122	5622	7630	33,985	11184	67,604
1997	8"	1,425	111.50	7	4,748.50	193,137	5825	7630	147,449	11184	283,093
1998	8"	3,260	111.50	15	4,748.50	433,941	5920	7630	336,712	11184	636,055
1999	8"	2,423	111.50	16	4,748.50	346,372	6060	7630	275,077	11184	507,699
2000	8"	947	111.50	4	4,748.50	126,560	6221	7630	103,191	11184	185,507
2001	8"	9,735	111.50	60	4,748.50	1,371,233	6342	7630	1,139,819	11184	2,009,904
2002	8"	3,783	111.50	24	4,748.50	534,153	6538	7630	457,706	11184	782,943
2003	8"	707	111.50	4	4,748.50	99,762	6695	7630	87,532	11184	146,228
2004	8"	10,379	111.50	54	4,748.50	1,412,520	7115	7630	1,317,195	11184	2,070,422
		98,064		**477**		**$13,199,171**			**$7,539,041**		**$19,346,870**

Exhibit No. 5
East Whiteland Township
Chester County, Pennsylvania
Collection System Assets - Sewers

Capital Projects Completed by the Township Since 2005

Description	Year Placed in Service	Original Cost	Cost Index Original		Cost Index Current	Trended Current Replacement Cost
Mill Lane Gravity Sewer	2014	$641,387.00	9806		11184	$731,517
Sidley Road Sewer Main	2014	1,022,044	9806		11184	1,165,665
Wilburdale FM and Flat Rd. Gravity	2016	533,529	10339		11184	577,135
		$2,196,960				**$2,474,317**

Associated Retirements	Year Placed in Service	Original Cost	Cost Index Original		Cost Index Current	Trended Current Replacement Cost
Wilburdale FM and Flat Rd. Gravity	1970	$(71,266)	1381		11184	$(577,135)
		$(71,266)				**$(577,135)**
	Net Total	**$22,279,348**		**$11,508,858**		**$31,437,685**

Exhibit No. 5
East Whiteland Township
Chester County, Pennsylvania
Collection System Assets - Sewers

Service Connections

Year Placed in Service	Size	Length	2005 Cost Per Foot	Number of Connections	Total 2005 Replacement Cost	Cost Index Original	Cost Index Nov. 2005	Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
1970	4"	6,016	$97.87	201	$588,817	1381	7630	$106,574	11184	$863,068
1976	4"	13,260	$97.87	442	1,297,784	2401	7630	408,385	11184	1,902,245
1978	4"	2,749	$97.87	92	269,029	2776	7630	97,880	11184	394,333
1980	4"	2,951	$97.87	98	288,825	3237	7630	122,539	11184	423,349
1982	4"	3,190	$97.87	106	312,175	3825	7630	156,500	11184	457,575
1985	4"	1,485	$97.87	49	145,301	4195	7630	79,882	11184	212,977
1986	4"	1,320	$97.87	44	129,185	4295	7630	72,715	11184	189,354
1987	4"	996	$97.87	33	97,459	4406	7630	56,284	11184	142,853
1988	4"	2,952	$97.87	98	288,952	4519	7630	171,153	11184	423,536
1989	4"	5,578	$97.87	186	545,874	4615	7630	330,148	11184	800,123
1993	4"	1,629	$97.87	54	159,387	5210	7630	108,843	11184	233,623
1995	4"	628	$97.87	21	61,420	5471	7630	44,042	11184	90,027
1996	4"	227	$97.87	8	22,208	5622	7630	16,364	11184	32,551
1997	4"	936	$97.87	31	91,622	5825	7630	69,948	11184	134,296
1998	4"	2,142	$97.87	71	209,639	5920	7630	162,667	11184	307,282
1999	4"	1,592	$97.87	53	155,834	6060	7630	123,758	11184	228,415
2000	4"	622	$97.87	21	60,912	6221	7630	49,665	11184	89,283
2001	4"	6,397	$97.87	213	626,101	6342	7630	520,438	11184	917,716
2002	4"	2,486	$97.87	83	243,268	6538	7630	208,452	11184	356,573
2003	4"	464	$97.87	15	45,456	6695	7630	39,883	11184	66,627
2004	4"	6,820	97.87	227	667,496	7115	7630	622,449	11184	978,391
		64,440		**2,148**	**$6,306,743**			**$3,568,568**		**$9,244,197**

Pricing Structure

Pipe Diameter (in.)	Easement Installed Cost per LF	Paved Installed Cost per LF	Blended Cost per LF
<4	$ 55.00	$ 100.10	$ 55.00
4 [(4)]	$ 55.00	$ 97.87	$ 78.17
6	$ 55.00	$ 100.10	$ 55.00
8	$ 55.00	$ 100.10	$ 77.00
10	$ 59.00	$ 107.38	$ 76.44
12	$ 90.00	$ 163.80	$ 110.08
15	$ 94.00	$ 171.08	$ 94.00
16	$ 100.00	$ 182.00	$ 117.62
18	$ 114.00	$ 207.48	$ 143.74
21	$ 129.00	$ 234.78	$ 129.00
24	$ 137.00	$ 249.34	$ 137.00
27	$ 164.00	$ 298.48	$ 164.00
30	$ 183.00	$ 333.06	$ 183.00
36	$ 216.00	$ 393.12	$ 216.00
40	$ 239.00	$ 434.98	$ 239.00
42	$ 249.00	$ 453.18	$ 249.00
44	$ 262.00	$ 476.84	$ 262.00
48	$ 282.00	$ 513.24	$ 282.00
52	$ 308.00	$ 560.56	$ 308.00
54	$ 315.00	$ 573.30	$ 315.00
64	$ 392.00	$ 713.44	$ 392.00
72	$ 430.00	$ 782.60	$ 430.00

Notes:

1. Reflects generic unit prices for various components of a sewer system within this region. The schedule was a basis of cost for previous Assessment reports in the region.

2. Prices from 2015 unless otherwise noted, Table ENR CCI (2015) = 10035

3. The "Blended Cost" is a combined cost that accounts for the percentage of the overall system constructed within a completed roadway. Approximate percentages were determined from Township Records.

4. The "Blended Cost" is a combined cost that accounts for the percentage of laterals installed 2005 & later, assumed to be developer installed, and % of laterals installed before 2005, assumed to be Township installed. This number is assumed to be in the year 2012 and is then brought back for all of the other years.

UPDATED APPLICATION EXHIBIT B
APA SCHEDULES

October 29, 2021 Version

ASSET PURCHASE AGREEMENT

By and Between

Township of East Whiteland, Chester County,

As Seller

and

Aqua Pennsylvania Wastewater, Inc. As Buyer

SCHEDULES AND EXHIBITS

Capitalized terms used in the Schedules which are not otherwise defined herein shall have the respective meanings ascribed to such terms in the Agreement. The Schedules are to be read in their entirety. Nothing in the Schedules is intended to broaden the scope of any representation or warranty in the Agreement. The disclosure of any item, explanation, exception or qualification in any Schedule is disclosure of that item for all purposes for which disclosure is required under the Agreement when it is reasonably apparent from the context that such item, explanation, exception or qualification also relates to another Schedule irrespective of whether any cross reference is made or no Schedule is provided with respect to a representation. Other than as expressly set forth herein or when the Schedules reference agreements or other matters not documented in a separate writing, all descriptions of agreements, written materials or other matters appearing herein, are summary in nature and are qualified by reference to the complete documents, which have been supplied to the Buyer or its counsel.

Exhibit A

BILL OF SALE

THIS BILL OF SALE is made as of this ____ day of _____, 202_, by and between **TOWNSHIP OF EAST WHITELAND, CHESTER COUNTY** (the "Seller") and **AQUA PENNSYLVANIA WASTEWATER, INC.** (the "Buyer," and, together with Seller, each a "Party" and collectively, the "Parties").

B A C K G R O U N D:

A. Seller and Buyer have entered into that certain Asset Purchase Agreement dated as of January 8, 2021 (the "Purchase Agreement"), pursuant to which Seller has agreed, among other things, to sell, transfer, convey, assign and deliver to Buyer and Buyer has agreed to purchase from Seller the Acquired Assets, including, without limitation, all of its personal property and fixed assets including equipment, machinery, vehicles, auxiliary equipment and plant equipment, as more thoroughly described on Exhibit "A" attached hereto and incorporated herein by reference (collectively, the "Personal Property").

B. Seller desires hereunder to transfer and assign to Buyer the Personal Property pursuant to the Purchase Agreement and Buyer desires to accept the sale, transfer, conveyance, assignment and delivery thereof.

C. All capitalized terms not defined herein shall have the meaning ascribed to such term in the Purchase Agreement.

NOW, THEREFORE, in consideration of the mutual covenants contained in the Purchase Agreement and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, the Parties hereto agree as follows:

1. Transfer and Assignment. Seller hereby sells, transfers, assigns, delivers and conveys to Buyer, its successors and assigns, all of Seller's right, title and interest in, to and under the Personal Property.

2. Acceptance of Transfer and Assignment. Buyer hereby accepts the transfer, conveyance, assignment and delivery of the Personal Property.

3. Absolute Transfer. It is the intention of Seller to transfer absolute title of the Personal Property to Buyer.

4. Counterparts; Facsimile Signatures. This Agreement may be executed in any number of counterparts which, taken together, shall constitute one and the same agreement. This Agreement shall be effective when it has been executed by each Party and delivered to both Parties. To evidence the fact that it has executed this Agreement, a Party may send a copy of its executed counterpart to the other Party by facsimile transmission. Such Party shall be deemed to have executed and delivered this Agreement on the date it sent such facsimile transmission. In such event, such Party shall forthwith deliver to the other Party an original counterpart of this Agreement executed by such Party.

5. Governing Law; Jurisdiction. This Agreement shall be construed and enforced in accordance with, and governed by, the laws of the Commonwealth of Pennsylvania (without giving effect to the principles of conflicts of laws thereof). The Parties hereto irrevocably agree and consent to the jurisdiction of the United States District Court for the Eastern District of Pennsylvania and the Court of Common Pleas of Chester County, Pennsylvania, for the adjudication of any matters arising under or in connection with this Agreement. Any action initiated in court shall be filed and litigated (including all discovery proceedings) exclusively in the United States District Court for the Eastern District of Pennsylvania and the Court of Common Pleas of Chester County, Pennsylvania, and each party irrevocably submits to the exclusive jurisdiction of such courts in any such suit, action or proceeding. Service of process, summons, notice or other document by mail to such Party's address set forth herein shall be effective service of process for any suit, action or other proceeding brought in any such court. EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY WHICH MAY ARISE UNDER THIS AGREEMENT OR THE OTHER TRANSACTION DOCUMENTS IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES AND, THEREFORE, EACH SUCH PARTY IRREVOCABLY AND UNCONDITIONALLY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LEGAL ACTION ARISING OUT OF OR RELATING TO THIS AGREEMENT, THE OTHER TRANSACTION DOCUMENTS OR THE TRANSACTIONS CONTEMPLATED HEREBY OR THEREBY. EACH PARTY TO THIS AGREEMENT CERTIFIES AND ACKNOWLEDGES THAT (A) NO REPRESENTATIVE OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT SEEK TO ENFORCE THE FOREGOING WAIVER IN THE EVENT OF A LEGAL ACTION, (B) SUCH PARTY HAS CONSIDERED THE IMPLICATIONS OF THIS WAIVER, (C) SUCH PARTY MAKES THIS WAIVER VOLUNTARILY, AND (D) SUCH PARTY HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION.

6. Binding Effect. This Bill of Sale shall be binding upon and inure to the benefit of Seller and Buyer and their respective successors and assigns.

7. Further Assurances. Each Party hereto covenants and agrees, at its own expense, to take such further action and execute and deliver such further instruments of conveyance and transfer

and of assumption as may be reasonably requested by the other Party to carry out the provisions and purpose of this Agreement.

[Remainder of Page Intentionally Blank; Signature Page Immediately Follows]

IN WITNESS WHEREOF, the undersigned have caused this Bill of Sale to be duly executed on the day and year first above written.

SELLER:	BUYER:
TOWNSHIP OF EAST WHITELAND, CHESTER COUNTY	AQUA PENNSYLVANIA WASTEWATER, INC.
By: _____	By: _____
Name: John Nagel, Manager	Name: Marc A. Lucca, President
ATTEST:	ATTEST:
By: _____	By: _____
Name:	Name:
Title:	Title:

EXHIBIT A

Personal Property

All of Seller's right, title and interest in and to all assets, facilities, business, goodwill, properties and rights of Seller of every kind and description, whether tangible or intangible, real, personal or mixed, wherever situated, in each case used in, held for use in, or acquired or developed for use in, the System (capitalized terms contained herein not otherwise defined within this document shall have the meanings assigned to them in the Purchase Agreement, unless the context shall otherwise require), or otherwise related to, or arising out of the operation or conduct of the System (whether or not any such assets have any value for accounting purposes or are carried or reflected on the books or financial records of Seller), including any of the foregoing in which Seller is entitled to acquire rights in the future pursuant to Pending Development Plans (other than the rights of Seller pursuant to Section 2.02(d)) of the Purchase Agreement or development plans approved pursuant to this Agreement, but in all cases other than the Excluded Assets (the foregoing collectively referred to as the "Acquired Assets"), including:

(a) all sanitary wastewater related pumping and conveyance facilities, including but not limited to all collection system pipes, pumping stations, hoists, generators, manholes and pipelines and any billing and collections related assets necessary to run the System;

(b) all Supplies;

(c) all personal property and fixed assets, including all Equipment and Machinery, auxiliary equipment and plant equipment, including without limitation those items listed on Schedule 4.10 of the Purchase Agreement; and

(d) all Files and Records.

Exhibit B

ASSIGNMENT AND ASSUMPTION AGREEMENT

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT (this "Assignment") is entered into effective as of this _____ day of June, 202__, by and between **TOWNSHIP OF EAST WHITELAND, CHESTER COUNTY**, a Pennsylvania municipality (the "Assignor") and **AQUA PENNSYLVANIA WASTEWATER, INC.**, a Pennsylvania corporation (the "Assignee," and, together with Assignor, each a "Party" and collectively, the "Parties").

A. Assignor, as Seller, and Assignee, as Buyer, are parties to that certain Asset Purchase Agreement dated as of January 8, 2021 (the "Purchase Agreement"), pursuant to which Assignor has agreed, among other things, to sell, transfer, convey, assign and deliver to Assignee and Assignee has agreed to purchase from Assignor the Acquired Assets.

B. Sections 2.01, 2.04, 13.02 and 13.03 of the Purchase Agreement contemplate that at Closing, Assignor will assign to Assignee and Assignee will accept and assume, all of Assignor's right, title and interest in to any and all Assigned Contracts and Authorizations and Permits and, including, without limitation, all of the assets more thoroughly described on Exhibit "A" attached hereto and incorporated herein by reference (collectively, the "Assigned Business Deliverables") necessary for the operation of the Acquired Assets.

C. Unless herein otherwise defined, all terms defined in the Purchase Agreement shall have the meanings ascribed to them in the Purchase Agreement when used in this Assignment.

NOW, THEREFORE, in consideration of mutual promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the Parties hereto agree as follows:

1. Assignment of Assigned Business Deliverables. Assignor hereby assigns, transfers, sets over, conveys and delivers to Assignee, and Assignee hereby accepts, all of Assignor's right, title and interest in and to all Assigned Business Deliverables, together with all rights and privileges of any nature thereunder accruing to Assignor on or after the date hereof.

2. Indemnification by Assignor. Assignor hereby agrees to indemnify, defend and hold harmless Assignee and the Buyer Indemnified Persons from, of and against any and all losses arising out of or relating to the breach by Assignor of any of the obligations, terms or covenants of Assignor, under or pursuant to the Assigned Business Deliverables that accrued prior to the date hereof subject to Assignor's indemnification obligations under Article VIII of the Purchase Agreement.

3. Indemnification by Assignee. Assignee hereby agrees to indemnify, defend and hold harmless Assignor and Seller Indemnified Parties from, of and against any and all losses arising out of or relating to the breach by Assignee of any of the obligations, terms or covenants of Assignee, under or pursuant to the Assigned Business Deliverables that accrue on or after the date hereof subject to Assignee's indemnification obligations under Article VIII of the Purchase Agreement.

4. Counterparts; Facsimile Signatures. This Assignment may be executed in any number of counterparts which, taken together, shall constitute one and the same agreement. This Assignment shall be effective when it has been executed by each Party and delivered to both Parties. To evidence the fact that it has executed this Assignment, a Party may send a copy of its executed counterpart to the other Party by facsimile transmission. Such Party shall be deemed to have executed and delivered this Assignment on the date it sent such facsimile transmission. In such event, such Party shall forthwith deliver to the other Party an original counterpart of this Assignment executed by such Party.

5. Successors; Assigns. Neither Party hereto shall assign or delegate this Assignment or any rights or obligations hereunder without the prior written consent of the other Parties hereto, and any attempted assignment or delegation without prior written consent shall be void and of no force or effect.

6. Governing Law; Jurisdiction. This Assignment shall be construed and enforced in accordance with, and governed by, the laws of the Commonwealth of Pennsylvania (without giving effect to the principles of conflicts of laws thereof). The Parties hereto irrevocably agree and consent to the jurisdiction of the United States District Court for the Eastern District of Pennsylvania and the Court of Common Pleas of Chester County, Pennsylvania, for the adjudication of any matters arising under or in connection with this Assignment. Any action initiated in court shall be filed and litigated (including all discovery proceedings) exclusively in the United States District Court for the Eastern District of Pennsylvania and the Court of Common Pleas of Chester County, Pennsylvania, and each party irrevocably submits to the exclusive jurisdiction of such courts in any such suit, action or proceeding. Service of process, summons, notice or other document by mail to such Party's address set forth herein shall be effective service of process for any suit, action or other proceeding brought in any such court. EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY WHICH MAY ARISE UNDER THIS ASSIGNMENT OR THE OTHER TRANSACTION DOCUMENTS IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES AND, THEREFORE, EACH SUCH PARTY IRREVOCABLY AND UNCONDITIONALLY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LEGAL ACTION ARISING OUT OF OR RELATING TO THIS AGREEMENT, THE OTHER TRANSACTION DOCUMENTS OR THE TRANSACTIONS CONTEMPLATED HEREBY OR THEREBY. EACH PARTY TO THIS ASSIGNMENT CERTIFIES AND ACKNOWLEDGES THAT (A) NO REPRESENTATIVE OF ANY OTHER PARTY HAS - REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT SEEK TO ENFORCE THE FOREGOING WAIVER IN THE EVENT OF A LEGAL ACTION, (B) SUCH PARTY HAS CONSIDERED THE IMPLICATIONS OF THIS WAIVER, (C) SUCH PARTY MAKES THIS WAIVER VOLUNTARILY, AND (D) SUCH PARTY HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION.

7. Further Assurances. Each Party hereto covenants and agrees, at its own expense, to take such further action and execute and deliver such further instruments of conveyance and transfer and of assumption as may be reasonably requested by the other Party to carry out the provisions and purpose of this Assignment.

8. Absolute Assignment. It is the intention of Assignor to transfer absolute title of the Assigned Business Deliverables to Assignee, its successors and assigns, free of any redemption by Assignor or its successors and assigns.

[**REMAINDER OF PAGE INTENTIONALLY BLANK;**
SIGNATURE PAGE IMMEDIATELY FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be duly executed as of the day and year first written above.

SELLER:	BUYER:
TOWNSHIP OF EAST WHITELAND, CHESTER COUNTY	AQUA PENNSYLVANIA WASTEWATER, INC.
By: _____	By: _____
Name: John Nagel, Manager	Name: Marc A. Lucca, President
ATTEST:	ATTEST:
By: _____	By: _____
Name:	Name:
Title:	Title:

EXHIBIT A

Assigned Business Deliverables

All of Seller's right, title and interest in and to all assets, facilities, business, goodwill, properties and rights of Seller of every kind and description, whether tangible or intangible, real, personal or mixed, wherever situated, in each case used in, held for use in, or acquired or developed for use in, the System (capitalized terms contained herein not otherwise defined within this document shall have the meanings assigned to them in the Purchase Agreement, unless the context shall otherwise require), or otherwise related to, or arising out of the operation or conduct of the System (whether or not any such assets have any value for accounting purposes or are carried or reflected on the books or financial records of Seller), including any of the foregoing in which Seller is entitled to acquire rights in the future pursuant to Pending Development Plans (other than the rights of Seller pursuant to Section 2.02(d)) of the Purchase Agreement or development plans approved pursuant to this Agreement, but in all cases other than the Excluded Assets (the foregoing collectively referred to as the "Acquired Assets"), including:

(a) all real property and appurtenant interests used in the operation of the System, including without limitation (i) good and marketable fee simple title to the Real Property described and identified on Schedule 4.09 of the Purchase Agreement, and (ii) all Easements, including without limitation those identified on Schedule 4.09 of the Purchase Agreement;

(b) all contracts, licenses, and leases to which Seller is a party, including without limitation, all construction contracts, surety bonds, operation and maintenance agreements, management agreements, reserved capacity agreements, architect agreements and consultant agreements, and agreements relating to all other items of personal property as set forth on Schedule 4.13 of the Purchase Agreement (the "Assigned Contracts");

(c) all expenses prepaid by Seller and security deposits paid by Seller;

(d) all Authorizations and Permits of or held by Seller (to the extent transferrable to Buyer under applicable Law), including all Authorizations and Permits which are environmental permits, Seller's NPDES Permits other than those NPDES permits that relate to the Stormwater System Assets, other operating permits and those items listed or described on Schedule 4.12 of the Purchase Agreement; and

(e) all goodwill of the System.

Exhibit C

ESCROW AGREEMENT

THIS ESCROW AGREEMENT (the "Escrow Agreement") is made as of this _____ day of _____, 202_, by and among **AQUA PENNSYLVANIA WASTEWATER, INC.**, a Pennsylvania corporation ("Buyer"), **EAST WHITELAND TOWNSHIP** ("Seller"), and _____, a _____ _____ (the "Escrow Agent"), as escrow agent. Each of the Buyer, Seller and the Escrow Agent shall be referred to herein as a "Party" and collectively, as the 'Parties".

WHEREAS, Buyer and Seller are Parties to that certain Asset Purchase Agreement dated January 8, 2021, as amended by the updated and supplemented representations, warranties and schedules required by Section 9.03 of the Asset Purchase Agreement (all of the foregoing collectively, the "Purchase Agreement"). Solely as between Buyer and Seller, terms not otherwise defined herein shall have the respective meanings ascribed to them in the Purchase Agreement

WHEREAS, concurrently with the execution and delivery of this Escrow Agreement, the Buyer and Seller are closing on the transactions contemplated by the Purchase Agreement.

WHEREAS, the Purchase Agreement requires Seller to transfer or assign certain real property interests to Buyer for Acquired Assets situated upon lands owned by third parties, specifically including sewer lines encroaching upon land owned by third parties (collectively referred to herein as "Easements"). The Easements are identified on Schedule 4.09 of the Purchase Agreement, as that Schedule was amended as an attachment to the Closing Certificate delivered by Seller to Buyer on the date hereof.

WHEREAS, as of the date of this Escrow Agreement, Seller has not transferred or assigned [_____] of the Easements (collectively, the "Missing Easements", the list of which is attached hereto as **Exhibit "A"**) which therefore will not be transferred to Buyer at Closing. Seller and Buyer have agreed to permit Seller to assign and transfer the Missing Easements following Closing pursuant to the terms of this Escrow Agreement.

WHEREAS, Buyer has agreed to deposit [_____] Dollars ($[____.__]) of the Purchase Price in escrow with the Escrow Agent (in accordance with Section 2 hereof) (the "Easement Escrow Fund" or the "Escrow Fund"), in order to secure Seller's obligations to assign and transfer all of the Missing Easements after the date hereof.

NOW, THEREFORE, in consideration of the premises and the covenants and agreements set forth herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, the parties hereto hereby agree as follows:

1. Escrow Fund. Buyer is delivering on the date hereof to the Escrow Agent an amount in cash equal to the Escrow Fund, which funds are to be held in escrow by the Escrow Agent pursuant hereto and released in accordance with the terms hereof.

2. Protection and Investment of Escrow Fund. The Escrow Agent shall separately hold and safeguard the Easement Escrow Fund for such period of time that any funds remain therein, shall treat the Escrow Fund as a separate escrow account in accordance with the terms of this Escrow Agreement and not as its property and shall hold and dispose of the Escrow Fund only in accordance with the terms of this Escrow Agreement. The Escrow Fund shall be held in escrow in a separate account held in a national banking association regulated by the OCC and authorized to conduct business in Pennsylvania. The Escrow Agent shall deposit the Escrow Fund into an interest-bearing account.

3. Term. This Escrow Agreement shall be for a term ending on the [____] (___) year anniversary of the date of this Escrow Agreement (the "Term"), subject to extension in the event that there are pending claims upon the expiration of the Term, or upon the Seller's delivery to Buyer of all Missing Easements, whichever is sooner.

4. Distributions from Easement Escrow Fund. The Easement Escrow Fund shall be distributed to Seller or Buyer (such Party in such capacity, the "Withdrawing Party") in accordance with the following terms:

(a) Subject to Section 4(c) below, the Easement Escrow Fund shall be distributed to Seller (such Party in such capacity, the "Withdrawing Party") in accordance with the following terms:

(i) Seller shall be entitled to quarterly distributions from the Escrow Fund calculated as: the number of Missing Easements delivered to Buyer during the preceding calendar quarter which satisfy the criteria set forth herein (each, an "Easement Document"), multiplied by **[$_____]**, subject to a maximum aggregate distribution under this subparagraph (i) during the Term of _____ Dollars ($_____). In order for a Missing Easement to be included as an Easement Document for purposes of determining distributions under this subsection (a), the Easement Document must satisfy the following criteria:

(A) the Easement Document shall be in the form of (1) a recorded deed of easement or a recorded deed in lieu of condemnation, in each case duly executed by the third party granting the rights set forth therein, or (2) a final, unappealable order of court in a condemnation proceeding;

(B) the Easement Document shall be perpetual in duration and shall adequately describe the area of land encumbered by such Easement Document which shall include adequate vehicular access to the Acquired Assets situated therein and adequate area for maintaining, repairing and replacing said Acquired Assets when necessary;

(C) the Easement Document shall satisfy all requirements for recording such Easement Document as imposed by the Chester County Recorder of Deeds; and

(D) any Easement Document in the form attached hereto as **Exhibit "B"** which, upon delivery to Buyer, complies with subparagraphs (A) through (C) above, shall be deemed to satisfy all requirements upon which a release from the Escrow Fund is conditioned.

(ii) Subject to subparagraph (iii) below, the remaining _____ Dollars ($____) shall be distributed to Seller upon Seller's delivery of the last of the [____] Missing Easement Documents (satisfying all criteria set forth in subparagraph (i) above) to Buyer in accordance with the terms hereof.

(b) All disbursements made under subparagraphs (a)(i) and (a)(ii) above shall occur within ten (10) days after the Escrow Agent has received a Withdrawal Request as set forth in Section 4(d) hereof.

(c) The balance in the Escrow Fund, if any, existing upon expiration of the Term following any distribution owed to Seller resulting from delivery of Easement Documents during the quarter in which the Term expires, shall be distributed to Buyer.

(d) Within ten (10) days following the end of each calendar quarter during the Term (in which case only Seller shall be the Withdrawing Party) or, in the event that there is a balance in the Escrow Fund existing upon expiration of the Term, then within ten (10) days of the expiration of the Term (in which case either Seller or Buyer may be the Withdrawing Party)the Withdrawing Party shall request a disbursement from the Easement Escrow Fund (a "Withdrawal Request") by delivering to Escrow Agent and the other Party to this Escrow Agreement a written notice of such request (a "Withdrawal Request Notice"). The Withdrawal Request Notice shall describe the basis and amount of the Withdrawal Request, which, with respect to Seller, shall be calculated in accordance with Section 4(a)(i) above, and shall include any documentation (including Easement Documents delivered to Buyer) evidencing the basis for the amount of the Withdrawal Request, and a certification that a copy of the Withdrawal Request has been delivered to the other Party. The Escrow Agent shall release to the Withdrawing Party the amount of the Withdrawal Request from the Easement Escrow Fund on or before the tenth (10th) day after the date when the Escrow Agent receives the Withdrawal Request Notice, provided that, if the Escrow Agent, within such period of ten (10) days, receives from the other Party (in such capacity, an "Objecting Party") a written notice of dispute of the Withdrawal Request (which notice shall include a certification by the Objecting Party that it has delivered a copy of such notice to Withdrawing Party) then the Escrow Agent shall continue to hold the amount set forth in the Withdrawal Request in the Easement Escrow Fund pursuant to this Escrow Agreement until the Escrow Agent receives either written instructions signed by the Withdrawing Party and the Objecting Party directing a release from the Easement Escrow Fund, or a final order of a court of competent jurisdiction (from which there is no further appeal or for which the time to appeal has expired without such appeal having been taken) directing a release from the Easement Escrow Fund. The Escrow Agent shall make distributions from the Easement Escrow Fund in accordance with such instructions or order within two (2) business days after receipt of either.

(e) Should a dispute arise between the Parties as to whether an Easement Document satisfies the criteria for release under subparagraph (a)(i) above, the Parties shall jointly select a neutral attorney with expertise in real property transactions to serve as mediator of the dispute and both parties shall diligently pursue a resolution of such dispute in good faith. In the event that the parties are unable to resolve such dispute within sixty (60) days following the delivery by the Objecting Party to the withdrawing of the notice of objection, either Party may pursue a claim in the Chester County Court of Common Pleas.

5. Default & Remedies.

(a) It shall be a default of this Escrow Agreement if Seller shall fail to diligently pursue the delivery of all Easement Documents using commercially reasonable efforts and to transfer such interests to Buyer on or before the expiration of the Term ("Default").

(b) In the event of a Default, Buyer may, at Buyer's sole discretion, after first providing written notice to Seller and a thirty (30) day cure period thereafter to Seller, undertake to obtain such easements on its own or file suit in a court of competent jurisdiction seeking specific performance in the form of an order requiring Seller to obtain all Easement Documents, including by way of the exercise of its power of eminent domain. Buyer and Seller acknowledge that the remedies at law for any breach or threatened breach, including monetary damages, may be inadequate compensation for any loss and that any defense in any action for specific performance that a remedy at law would be adequate is waived. Any requirements for the securing or posting of a bond with such remedy are waived by the Buyer and Seller.

(c) If Seller Defaults and Buyer elects to pursue a remedy under Paragraph 4(b) above, Buyer shall be entitled to recover from Seller all actual damages, including costs and reasonable attorneys' fees incurred in obtaining the outstanding easements or in bringing an action seeking specific performance of the terms of this Escrow Agreement. In the event Seller incurs a liability to Buyer under this Section 5(c), any amount distributed to Buyer pursuant to Section 4(c) above shall be applied as a credit to such amount owed by Seller to Buyer under this Section 5(c). The establishment of the amount of the Escrow Fund shall not limit Buyer's right to recovery hereunder or under the Purchase Agreement.

6. Limitation of Escrow Agent's Liability.

(a) Limitation on Liability. The Escrow Agent shall incur no liability with respect to any action taken or suffered by it in reliance upon any notice, direction, instruction, consent, statement or other documents believed by it to be genuine and duly authorized, nor for other action or inaction, except its own willful misconduct or gross negligence. If any controversy arises between the parties to this Escrow Agreement, or with any other Party, concerning the subject matter of this Escrow Agreement, its terms or conditions, the Escrow Agent will not be required to resolve the controversy or to take any action regarding it. The Escrow Agent may hold all documents and funds and may wait for settlement of any such controversy by final appropriate legal proceedings or by written agreement of Buyer and Seller. The Escrow Agent shall not be responsible for the sufficiency of this Escrow Agreement or any other agreement referred to herein. The Escrow Agent is not responsible for determining and verifying the authority of any person acting or purporting to act on behalf of any Party to this Escrow Agreement; provided, however, Escrow Agent shall use commercially reasonable efforts to ascertain whether or not such person has the requisite authority required to act on behalf of a Party. In all questions arising under this Escrow Agreement, the Escrow Agent may rely on the advice of counsel, and the Escrow Agent shall not be liable to anyone and shall be fully indemnified for anything done, omitted or suffered in good faith by the Escrow Agent based on such advice. The Escrow Agent shall not be required to take any action hereunder involving any expense unless the payment of such expense is made or provided for in a manner satisfactory to it in its sole judgment. In no event shall the Escrow Agent be liable for indirect, punitive, special or consequential damages (including, but not limited to lost profits), even if Escrow Agent has been advised of the likelihood of such damages or penalty and regardless of the form of action. Escrow Agent undertakes to perform only such duties as are expressly set forth herein and no duties shall be implied. Escrow Agent has no fiduciary or

discretionary duties of any kind. Escrow Agent's permissive rights shall not be construed as duties. Escrow Agent shall have no liability under and no duty to inquire as to the provisions of any document other than this Escrow Agreement, including without limitation any other agreement between any or all of the parties hereto or any other persons even though reference thereto may be made herein and whether or not a copy of such document has been provided to Escrow Agent. Escrow Agent shall not be responsible for delays or failures in performance resulting from acts of God, strikes, lockouts, riots, acts of war or terror, epidemics, governmental regulations, fire, communication line failures, computer viruses, attacks or intrusions, power failures, earthquakes or any other circumstance beyond its control. Escrow Agent shall not be obligated to take any legal action in connection with the Escrow Fund, this Escrow Agreement or the Purchase Agreement or to appear in, prosecute or defend any such legal action. If any portion of the Escrow Fund is at any time attached, garnished or levied upon, or otherwise subject to any writ, order, decree or process of any court, or, in case disbursement of the Escrow Fund, is stayed or enjoined by any court order, Escrow Agent is authorized, in its sole discretion, to respond as it deems appropriate or to comply with all writs, orders, decrees or process so entered or issued, including but not limited to those which it is advised by legal counsel of its own choosing is binding upon it, whether with or without jurisdiction; and if Escrow Agent relies upon or complies with any such writ, order, decree or process, it shall not be liable to any of the parties hereto or to any other person or entity by reason of such compliance even if such order is reversed, modified, annulled, set aside or vacated. Notwithstanding the foregoing, Escrow Agent shall immediately provide written notice to Seller and Buyer if any portion of the Escrow Fund is at any time attached, garnished or levied upon, or otherwise subject to any writ, order, decree or process of any court, or, in case of disbursement of the Escrow Fund, is stayed or enjoined by any court order. Nothing herein shall preclude Escrow Agent from acting in any other capacity for any other Party hereto or for any other person or entity.

(b) Indemnification. Buyer and Seller agree jointly and severally to indemnify the Escrow Agent for, and hold it harmless against, any claim (whether asserted by Buyer, Seller or any other person or entity), loss, liability or expense incurred by the Escrow Agent except to the extent directly caused by gross negligence or willful misconduct on the part of the Escrow Agent (as determined by a court of competent jurisdiction), arising out of or in connection with its carrying out of its duties hereunder, and in connection therewith to indemnify the Escrow Agent, its directors, officers, partners, employees and agents against any and all expenses, including reasonable attorneys' fees and expenses and the cost of defending any action, suit or proceeding or resisting any claim or enforcing Buyer's or Seller's obligations under this Escrow Agreement. The obligations of Buyer and Seller under this Section shall survive any termination of this Escrow Agreement and the resignation or removal of Escrow Agent.

(c) Authority to Interplead. Buyer and Seller authorize the Escrow Agent, if a dispute exists with respect to any obligation of Escrow Agent hereunder or the Escrow Agent is threatened with litigation or is sued, to interplead all interested parties in any court located in Chester County, Pennsylvania and to deposit the Escrow Fund with the clerk of that court after deduction and payment to the Escrow Agent of all its unpaid expenses. In the event of any dispute, the Escrow Agent shall be entitled to petition a court of competent jurisdiction and shall perform any acts ordered by such court.

7. Successor Escrow Agents. The Escrow Agent may resign at any time upon giving at least thirty (30) days' written notice to Seller and Buyer and, after the date of such resignation notice, notwithstanding any other provision of this Escrow Agreement, Escrow Agent's sole

obligation will be to hold the Escrow Fund pending appointment of a successor Escrow Agent. Similarly, Escrow Agent may be removed at any time by Buyer and Seller giving at least thirty (30) days' prior written notice to Escrow Agent specifying the date when such removal shall take effect. No such resignation or removal shall become effective until the appointment of a successor escrow agent which shall be accomplished as follows: Buyer and the Seller shall use their commercially reasonable efforts to mutually agree on a successor escrow agent within thirty (30) days after receiving such notice. If the parties fail to agree upon a successor escrow agent within such time, the Escrow Agent may petition a court of competent jurisdiction to appoint a successor escrow agent, and all costs and expenses related to such petition shall be paid jointly and severally by Buyer and Seller. The successor escrow agent shall execute and deliver an instrument accepting such appointment and it shall, without further acts, be vested with all the estates, properties, rights, powers, and duties of the predecessor escrow agent as if originally named as escrow agent. Upon appointment of a successor escrow agent, and payment of the Escrow Fund to the successor escrow agent, after deduction and payment to the retiring Escrow Agent of all reasonable actual expenses payable to, incurred by, or expected to be incurred by the retiring Escrow Agent in connection with the performance of its duties and the exercise of its rights hereunder, the Escrow Agent shall be discharged from any further duties and liability under this Escrow Agreement. After any retiring, Escrow Agent's resignation or removal, the provisions of this Escrow Agreement shall inure to its benefit as to any actions taken or omitted to be taken by it while it was Escrow Agent under this Escrow Agreement.

8. Further Instruments. If the Escrow Agent reasonably requires other or further instruments in connection with its performance of its duties, the necessary parties hereto shall join in furnishing such instruments.

9. Termination. This Escrow Agreement shall terminate upon the earlier of expiration of the Term or such time as no funds remain in the Easement Escrow Fund due to distribution in accordance with Section 4 of this Escrow Agreement.

10. Waiver & Other Remedies. The rights and remedies herein reserved to Buyer or Seller are cumulative and not alternative.

11. Compensation of Escrow Agent. The Escrow Agent shall not be compensated or charge fees for acting as Escrow Agent, but shall be reimbursed by the parties for reasonable expenses actually paid to third parties and incurred for service as Escrow Agent only, subject to reasonable substantiation of such expenses

12. General.

(a) Governing Law and Jurisdiction. This Escrow Agreement shall be construed and enforced in accordance with, and governed by, the laws of the Commonwealth of Pennsylvania (without giving effect to the principles of conflicts of laws thereof). The Parties hereto irrevocably agree and consent to the jurisdiction of the United States District Court for the Eastern District of Pennsylvania and the Court of Common Pleas of Chester County, Pennsylvania, for the adjudication of any matters arising under or in connection with this Agreement. Any action initiated in court shall be filed and litigated (including all discovery proceedings) exclusively in the United States District Court for the Eastern District of Pennsylvania and the Court of Common Pleas of Chester County, Pennsylvania, and each party irrevocably submits to the exclusive

jurisdiction of such courts in any such suit, action or proceeding. Service of process, summons, notice or other document by mail to such Party's address set forth herein shall be effective service of process for any suit, action or other proceeding brought in any such court. EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY WHICH MAY ARISE UNDER THIS ESCROW AGREEMENT IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES AND, THEREFORE, EACH SUCH PARTY IRREVOCABLY AND UNCONDITIONALLY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LEGAL ACTION ARISING OUT OF OR RELATING TO THIS AGREEMENT, THE AGREEMENT, THE OTHER TRANSACTION DOCUMENTS OR THE TRANSACTIONS CONTEMPLATED HEREBY OR THEREBY. EACH PARTY TO THIS ESCROW AGREEMENT CERTIFIES AND ACKNOWLEDGES THAT (A) NO REPRESENTATIVE OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT SEEK TO ENFORCE THE FOREGOING WAIVER IN THE EVENT OF A LEGAL ACTION, (B) SUCH PARTY HAS CONSIDERED THE IMPLICATIONS OF THIS WAIVER, (C) SUCH PARTY MAKES THIS WAIVER VOLUNTARILY, AND (D) SUCH PARTY HAS BEEN INDUCED TO ENTER INTO THIS ESCROW AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION.

(b) Notices. All notices, requests, claims and other communications under this Escrow Agreement shall be in writing and shall be deemed given if delivered personally or by overnight courier to the parties at the following addresses (or at such other address for a Party as shall be specified by notice from such Party):

if to the Buyer, to:

Aqua Pennsylvania Wastewater, Inc.
762 W. Lancaster Avenue
Bryn Mawr, PA 19010
Attention: Marc A. Lucca, President
malucca@aquaamerica.com

with a copy to:

Aqua Pennsylvania Wastewater, Inc.
762 W. Lancaster Avenue
Bryn Mawr, PA 19010
Attention: Frances Orth, Esq., Vice Pres., Senior Managing Counsel
fporth@aquaamerica.com

if to the Seller, to:

East Whiteland Township
209 Conestoga Road
Frazer, PA 19355
Attention: Manager

with copies to:

Hamburg, Rubin, Mullen, Maxwell and Lupin, PC
375 Morris Road
Lansdale, PA 19446
Attention: Joseph J. McGrory, Jr., Solicitor

if to the Escrow Agent, to:

_____

Any notice addressed to the Escrow Agent shall be effective only upon receipt.

(c) Headings. The article, section and paragraph headings in this Escrow Agreement are for reference purposes only and shall not affect the meaning or interpretation of this Escrow Agreement.

(d) Severability. If any term, provision, covenant or restriction contained in this Escrow Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions contained in this Escrow Agreement shall remain in full force and effect and shall in no way be affected, impaired or invalidated.

(e) Entire Agreement. This Escrow Agreement, including the relevant provisions of the Closing Agreement pertaining to the parties' rights and obligations regarding the Missing Easements, constitute the entire agreement between the Parties pertaining to the subject matter hereof and supersedes all prior agreements, negotiations, discussions and understandings, written or oral, between the Parties. There are no representations, warranties, conditions or other agreements, whether direct or collateral, or express or implied, that form part of or affect this Agreement, or that induced any Party to enter into this Escrow Agreement or on which reliance is placed by any Party, except as specifically set forth in this Escrow Agreement. The Parties acknowledge and agree that (i) each has substantial business experience and is fully acquainted with the provisions of this Escrow Agreement, (ii) the provisions and language of this Escrow Agreement have been fully negotiated and (iii) no provision of this Escrow Agreement shall be construed in favor of any Party or against any Party by reason of such provision of this Escrow Agreement having been drafted on behalf of one Party rather than the other Party.

(f) Amendments; Waivers. This Escrow Agreement may be amended, changed or supplemented only by a written agreement signed by the Parties. Any waiver of, or consent to depart from, the requirements of any provision of this Escrow Agreement shall be effective only if it is in writing and signed by the Party giving it, and only in the specific instance and for the specific purpose for which it has been given. No failure on the part of any Party to exercise, and no delay in exercising, any right under this Escrow Agreement shall operate as a waiver of such right. No single or partial exercise of any such right shall preclude any other or further exercise of such right or the exercise of any other right.

(g) Parties in Interest; Third Party Beneficiary. Except as hereinafter provided, this Escrow Agreement is not intended to and shall not be construed to create upon any Person other than the Parties any rights or remedies hereunder.

(h) Successors and Assigns. This Escrow Agreement shall be binding upon, and inure to the benefit of, the Parties hereto and their respective successors and assigns; provided, however, that no party may assign any of its rights or delegate any of its duties under this Escrow Agreement without the prior written consent of the other party hereto and any attempted assignment or delegation without prior written consent shall be void and of no force or effect.

(i) Specific Performance. The Parties agree that irreparable damage would occur if any provision of this Escrow Agreement were not performed in accordance with the terms hereof and that the Parties shall be entitled to specific performance of the terms hereof, in addition to any other remedy to which they are entitled at law or in equity if the other Party has performed in accordance with the terms hereof.

(j) Counterparts; Facsimile; Execution. This Escrow Agreement may be executed in any number of counterparts which, taken together, shall constitute one and the same agreement. This Escrow Agreement shall be effective when it has been executed by each Party and delivered to both Parties. To evidence the fact that it has executed this Escrow Agreement, a Party may send a copy of its executed counterpart to the other Party by facsimile transmission. Such Party shall be deemed to have executed and delivered this Escrow Agreement on the date it sent such facsimile transmission. In such event, such Party shall forthwith deliver to the other Party an original counterpart of this Escrow Agreement executed by such Party.

(k) To help the government fight the funding of terrorism and money laundering activities, federal law requires all financial institutions to obtain, verify and record information that identifies each person who opens an account. For a non-individual person such as a business entity, a charity, a trust or other legal entity, Escrow Agent requires documentation to verify its formation and existence as a legal entity. Escrow Agent may require financial statements, licenses or identification and authorization documents from individuals claiming authority to represent the entity or other relevant documentation. Buyer and Seller agree to provide all information requested by Escrow Agent in connection with any legislation or regulation to which Escrow Agent is subject, in a timely manner. Escrow Agent's appointment and acceptance of its duties under this Escrow Agreement is contingent upon verification of all regulatory requirements applicable to Buyer, Seller and any of their permitted assigns, including successful completion of a final background check. These conditions include, without limitation, requirements under the USA Patriot Act, the USA FREEDOM Act, the Bank Secrecy Act, and the U.S. Department of the Treasury Office of Foreign Assets Control. If these conditions are not met, Escrow Agent may at its option promptly terminate this Escrow Agreement in whole or in part and refuse any otherwise permitted assignment by Buyer or Seller, without any liability or incurring any additional costs.

13. Representations and Warranties. Buyer and Seller each respectively make the following representations and warranties to Escrow Agent:

(a) it has full power and authority to execute and deliver this Escrow Agreement and to perform its obligations hereunder; and this Escrow Agreement has been duly approved by

all necessary action and constitutes its valid and binding agreement enforceable in accordance with its terms.

(b) each of the applicable persons designated on **Exhibit "C"** attached hereto has been duly appointed to act as its authorized representative hereunder and individually has full power and authority on its behalf to execute and deliver any instruction or direction, to amend, modify or waive any provision of this Escrow Agreement and to take any and all other actions as its authorized representative under this Escrow Agreement and no change in designation of such authorized representatives shall be effective until written notice of such change is delivered to each other Party to this Escrow Agreement pursuant to Section 14(a) and Escrow Agent has had reasonable time to act upon it.

(c) no printed or other material in any language, including any prospectus, notice, report, and promotional material or the rights, powers, or duties of Escrow Agent under this Escrow Agreement shall be issued by any other parties hereto, or on such Party's behalf, without the prior written consent of Escrow Agent.

(d) it will not claim any immunity from jurisdiction of any court, suit or legal process, whether from service of notice, injunction, attachment, execution or enforcement of any judgment or otherwise.

14. Security Procedures. In the event instructions, including funds transfer instructions, address change or change in contact information are given to Escrow Agent (other than in writing at the time of execution of this Escrow Agreement), whether in writing, by facsimile or otherwise, Escrow Agent is authorized but shall not be required to seek confirmation of such instructions by telephone call-back to any person designated by the instructing Party on **Exhibit "C"** hereto, and Escrow Agent may rely upon the confirmation of anyone purporting to be the person so designated. The persons and telephone numbers for call-backs may be changed only in writing actually received and acknowledged by Escrow Agent and shall be effective only after Escrow Agent has a reasonable opportunity to act on such changes. Buyer and Seller agree that Escrow Agent may at its option record any telephone calls made pursuant to this Section. Escrow Agent in any funds transfer may rely solely upon any account numbers or similar identifying numbers provided by Buyer or Seller to identify (i) the beneficiary, (ii) the beneficiary's bank, or (iii) an intermediary bank, even when its use may result in a person other than the beneficiary being paid, or the transfer of funds to a bank other than the beneficiary's bank or an intermediary bank so designated. Buyer and Seller acknowledge that these optional security procedures are commercially reasonable.

15. Tax Reporting. Escrow Agent shall have no responsibility for the tax consequences of this Escrow Agreement and Buyer and Seller shall consult with independent counsel concerning any and all tax matters. Buyer and Seller jointly and severally agree to (a) assume all obligations imposed now or hereafter by any applicable tax law or regulation with respect to payments or performance under this Escrow Agreement and (b) request and direct the Escrow Agent in writing with respect to withholding and other taxes, assessments or other governmental charges, and advise the Escrow Agent in writing with respect to any certifications and governmental reporting that may be required under any applicable laws or regulations. Except as otherwise agreed by Escrow Agent in writing, Escrow Agent has no tax reporting or withholding obligation except with respect to Form 1099-B reporting on payments of gross proceeds under Internal Revenue Code Section

6045 and Form 1099 and Form 1042-S reporting with respect to investment income earned on the Escrow Fund, if any. To the extent that U.S. federal imputed interest regulations apply, Buyer and Seller shall, no later than five (5) Business Days after the effective date of this Escrow Agreement, so inform the Escrow Agent, provide the Escrow Agent with all imputed interest calculations and direct the Escrow Agent to disburse imputed interest amounts as Buyer and Seller deem appropriate. The Escrow Agent shall rely solely on such provided calculations and information and shall have no responsibility for the accuracy or completeness of any such calculations or information. Buyer and Seller shall provide Escrow Agent a properly completed IRS Form W-9 or Form W-8, as applicable, for each payee. If requested tax documentation is not so provided, Escrow Agent is authorized to withhold taxes as required by the United States Internal Revenue Code and related regulations. Buyer and Seller have determined that any interest or income on the Escrow Fund shall be reported on an accrual basis and deemed to be for the account of Seller.

Signature page follows.

IN WITNESS WHEREOF, each of the parties hereto has executed this Escrow Agreement as of the date first above written.

BUYER:

AQUA PENNSYLVANIA WASTEWATER, INC.

_____

Name: Marc A. Lucca

Title: President

SELLER:

EAST WHITELAND TOWNSHIP

_____

Name: John Nagel

Title: Manager

ESCROW AGENT:

_____

_____

Name:

Title:

Exhibit A

MISSING EASEMENTS

Exhibit B

FORM OF EASEMENT TEMPLATE

Prepared By & Return To:

[ ]

Chester County Tax Parcel Number:

DEED OF EASEMENT

THIS DEED OF EASEMENT is made this [ ] day of [ ], 20[ ] by and between **[Grantor]**, having a mailing address of [address] (the "**Grantor**"), and **AQUA PENNSYLVANIA WASTEWATER, INC.**, a corporation organized and existing under the laws of Pennsylvania of the Commonwealth of Pennsylvania, having a business address of 762 W. Lancaster Avenue, Bryn Mawr, Pennsylvania, 19010 (the "**Grantee**").

RECITALS

WHEREAS, Grantee owns and operates the sanitary wastewater collection system (the "**System**"), which collects sanitary wastewater from customers in and around the Township of East Whiteland, Pennsylvania, and transports its sewage for treatment at a plant owned and operated by the Valley Forge Sewer Authority.

WHEREAS, certain underground sanitary sewer lines owned by Grantee (the "**Sewer Lines**") are situated within the real property owned by the Grantor described on **Exhibit "A"** attached hereto (the "**Property**") which either were never the subject of an instrument that was recorded in the Chester County Recorder of Deeds office.

WHEREAS, the parties wish to document Grantee's rights to own, operate, maintain and replace the Sewer Lines with the boundaries of the Property.

NOW, THEREFORE, the said Grantor, for and in consideration of the sum of Ten and 00/100 Dollars ($10.00), lawful money of the United States of America, unto it well and truly paid

by East Whiteland Township (as predecessor to Grantee as owner of the Sewer Lines) on behalf of the said Grantee, at or before the sealing and delivery hereof, the receipt of whereof is hereby acknowledged, by these presents hereby does grant, convey, bargain and sell, alien, enfeoff, release and confirm unto the said Grantee, its respective successors, and assigns forever, a permanent and perpetual, non-exclusive easement for access, ingress, egress and regress to the Sewer Lines, and for using, operating, altering, inspecting, repairing, removing, improving, replacing, maintaining and installing the Sewer Lines, as they exist or may be installed and exist in the future on the real estate described on **Exhibit "B"** (the **"Easement Area"**).

TOGETHER WITH the right to use, repair, remove, reconstruct and reinstall the Sewer Lines, the right to access such facilities, and the right to make excavations and trim or remove trees, brush, undergrowth, landscaping and other obstructions in the exercise of the foregoing rights.

THE EASEMENT GRANTED HEREIN are permanent and perpetual and are covenants running with the lands burdened by the easement described in this Deed of Easements.

TO HAVE AND TO HOLD this Deed of Easement with the wastewater system improvements thereon installed and erected, hereditaments and premises hereby granted, or mentioned and intended so to be, with appurtenances, all and singular and the rights, liberties, privileges, above-described, unto the said Grantee, its successors and assigns forever.

AND THE SAID GRANTOR, for itself, its successor and assigns, does by these presents covenant, promise, grant and agree, to and with the Grantee, its successors and assigns, by these presents, that it, the said Grantor and its successors and assigns, all and singular the hereditaments, premises, and land hereby described and granted, or mentioned and intended so to be, with the appurtenances, unto the said Grantee, its successors and assigns, against them the said Grantor and its successors and assigns, and against all and every person and persons whomsoever lawfully claiming or to claim the same or any part thereof, by, from or under it, them or any of them, shall and will **WARRANT** and forever **DEFEND.**

This Deed of Easement and all of the covenants herein contained shall inure to the benefit of, and shall be binding upon the Grantor, its successors and assigns, and Grantee, its successors and assigns.

[Signature page to follow]

IN WITNESS WHEREOF, Grantor has duly executed this instrument as of the above written date.

GRANTOR:

By: _____

I hereby certify that the address of

the within named Grantee is:

Aqua Pennsylvania Wastewater, Inc.

762 West Lancaster Avenue

Bryn Mawr, PA 19010

_____

On behalf of said Grantee

SIGNATURE PAGE FOR DEED OF EASEMENT

COMMONWEALTH OF PENNSYLVANIA :

: SS

COUNTY OF CHESTER :

On this day of , 20___, before me, the undersigned officer, personally appeared **[Grantor]**, who, known to me or satisfactorily proven, acknowledged himself to be the person who executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

_____

Notary Public

My commission expires on:

Exhibit A: Legal description for fee interest in Property

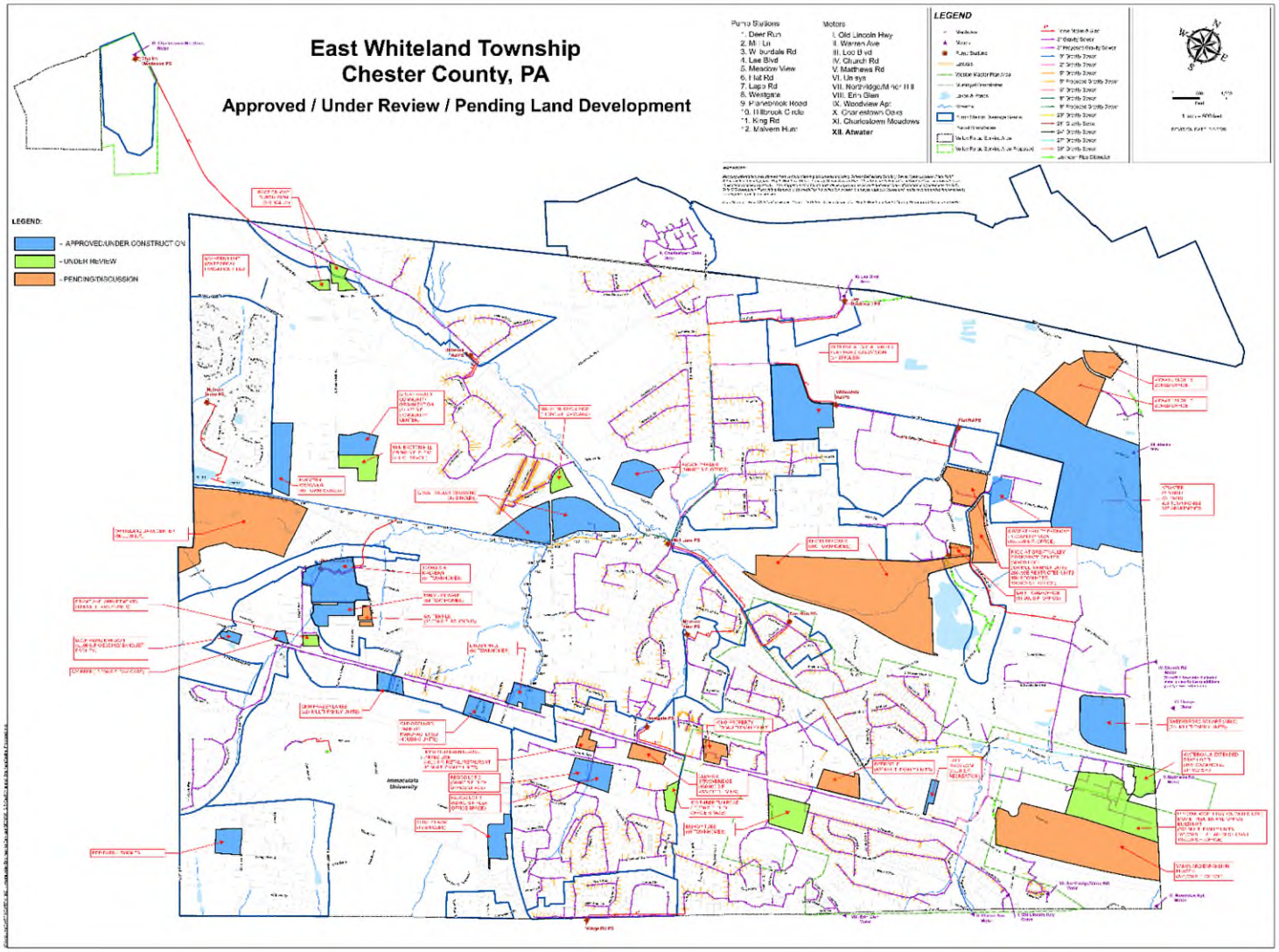
Exhibit B: Legal description of Easement Area

Exhibit C

AUTHORIZED PERSONS

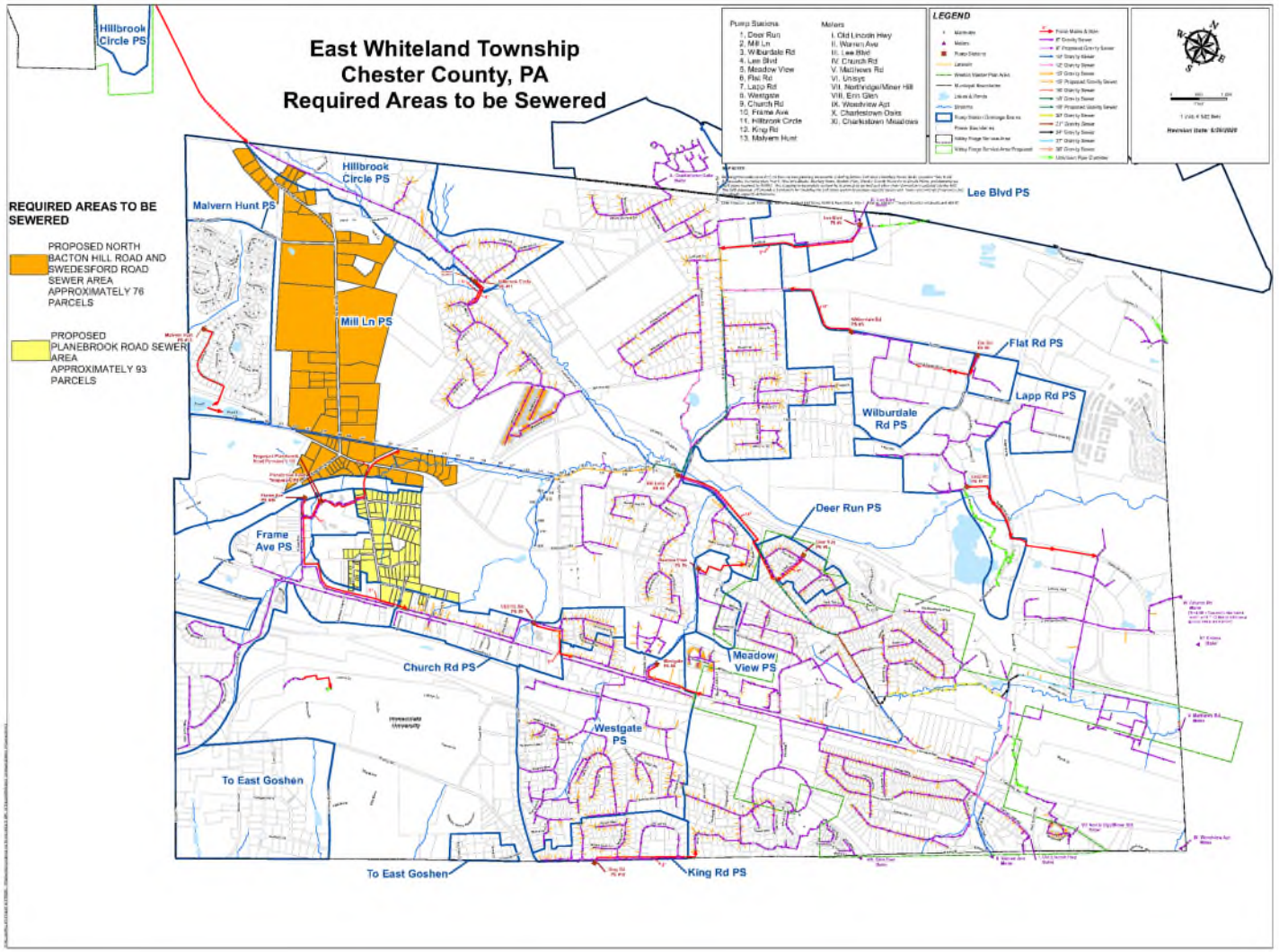
SCHEDULE A

Service Area



SCHEDULE B

Expanded Service Area Map



Schedule 2.02(h)

Excluded Assets

The Malvern Hunt Pumping Station, force main and the gravity sewer collection system within the Malvern Hunt Wastewater Treatment Plant (the "WWTP") will be included in the Acquired Assets. However, it is expected that the spray irrigation system associated with the WWTP, including the treatment ponds and the spray irrigation fields, will be decommissioned and, along with associated parcels 42-3-47 and 42-3-127, will be excluded from the sale.

Schedule 4.05

Consents and Approvals

1. Pennsylvania Public Utility Commission ("PaPUC") Approval of Transaction

2. PaPUC Approval of Consent to Assignment and Amendment to Sewer Service Agreements and Related Amendments

3. Pennsylvania Department of Environmental Protection ("PaDEP") Approval of Sanitary Sewer Collection and Conveyance System Act 537 Plan recognizing transfer of wastewater collection system from Seller to Buyer

4. PaDEP Approval of Transfer of all NPDES[1] and WQM Permits

[1] NPDES permits will not be transferred if the Malvern Hunt WWTP is decommissioned prior to closing, as anticipated.

Schedule 4.06

Undisclosed Liabilities

None.

Schedule 4.07

Events Having a Material Adverse Effect

None.

Schedule 4.08

Tax Matters

None.

Schedule 4.09

Real Property and Easements; Liens

The "Matthews Road Drainage Area" in the list below is the name given to the eastern portion of the Township which does not drain into a pump station. All other drainage area names are based upon the pump station names on the aforementioned plans. The instruments have the following abbreviations: DB (deed book), MB (miscellaneous book) and PB (plan book). The properties located within the Church Road drainage area on the March 3, 2020 sanitary sewer system plan are incorporated into the Planebrook drainage area in this list.

DEER RUN DRAINAGE AREA (DR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
DR 1	4-4F-13-E	15 Deer Run Lane	Pump Station	DB: 8914/1465	Yes
DR 2	42-4K-57	11 Fawn Circle	Gravity Line & Force Main	MB: 197/260	Yes
DR 3	42-4K-60	146 Conestoga Road	Gravity Line & Force Main	MB: 199/67	Yes

DEER RUN DRAINAGE AREA (DR)			
Street	Structure	Instrument/ Docket	Easement or ROW
Deer Run Lane	Gravity Line & Force Main	DB: P40/251	Yes
Fawn Circle	Gravity Line & Force Main	DB: P40/251	Yes
Doe Lane	Gravity Line	DB: P40/246 DB: W31/40	Yes
Buck Run Lane	Gravity Line	DB: W31/40	Yes
Conestoga Road	Force Main		Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 1	42-5-1.1	85 Matthews Road	Gravity Line	MB: 197/878 Plan No. 18668	Yes
MR 2	42-4-266	Uptown Worthington	Gravity Line	DB: 8443/1099	Yes
MR 3	42-4-260.2	11 Matthews Road	Gravity Line	Plan No. 20382 Plan No. 15178	Yes
MR 4	42-4-260.2A	5 Matthews Road	Gravity Line	Plan No. 15178	Yes
MR 5	RESERVED				
MR 6	42-4-257.2	Lindenwood Drive & Morehall Road	Gravity Line	Plan No. 4470	Yes
MR 7	42-4-255-E	Chester Valley Trail	Gravity Line		No
MR 8	42-4-268.1	19 Morehall Road	Gravity Line	DB: 3559/1973	Yes
MR 9	42-4-269	1100 Brannan Boulevard	Gravity Line	DB: 3559/1973	Yes
MR 10	42-4-270	Railroad Tracks	Gravity Line		No
MR 11	42-4-272	49 E. Lancaster Avenue	Gravity Line	DB: 3559/1973	Yes
MR 12	RESERVED				
MR 13	42-4-339	9 Old Lincoln Highway	Gravity Line	DB: 4373/191	Yes
MR 14	42-5-16.1	Northridge Community Common Areas	Gravity Line	DB: 4373/180	Yes
MR 15	42-4-132	WS Morehall Road	Gravity Line	Plan No. 10214 Plan No. 9327	Yes
MR 16	42-4-132.2	10 Morehall Road	Gravity Line	MB: 199/73 1972-00522	Yes
MR 17	42-4-332	32 Lancaster Avenue	Gravity Line	MB: 199/54 MB: 284/241	Yes
MR 18	42-4-331	52 Lancaster Avenue	Gravity Line	MB: 284/237 1975-00649	Yes
MR 19	42-4-330	60 Lancaster Avenue	Gravity Line	MB: 284/233 1975-00648	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 20	42-4-329	70 Lancaster Avenue	Gravity Line	MB: 284/229 1975-00647	Yes
MR 21	42-4-328	84 Lancaster Avenue	Gravity Line	MB: 287/5 1975-00684	Yes
MR 22	42-4-327	102 Lancaster Avenue	Gravity Line	MB: 284/224 1975-00646	Yes
MR 23	42-4-326	106 Lancaster Avenue	Gravity Line	MB: 284/221 1975-00645	Yes
MR 24	42-4-325	108 Lancaster Avenue	Gravity Line	MB: 284/217 1975-00644	Yes
MR 25	42-4-324	112 Lancaster Avenue	Gravity Line	MB: 284/213 1975-00643	Yes
MR 26	42-4-323	114 Lancaster Avenue	Gravity Line	MB: 284/209 1975-00642	Yes
MR 27	42-4-322	116 Lancaster Avenue	Gravity Line	MB: 284/205 1975-00641	Yes
MR 28	42-4-322.9	120 Lancaster Avenue	Gravity Line	MB: 284/205 1975-00641	Yes
MR 29	42-4-322.8	126 Lancaster Avenue	Gravity Line	MB: 284/201 1975-00640	Yes
MR 30	42-4-322.7	140 Lancaster Avenue	Gravity Line	MB: 284/197 1975-00639	Yes
MR 31	42-4-322.6	152 Lancaster Avenue	Gravity Line	MB: 287/13 1975-00686	Yes
MR 32	42-4-322.5	154 Lancaster Avenue	Gravity Line	MB: 390/33 MB: 284/193	Yes
MR 33	42-4-322.4	160 Lancaster Avenue	Gravity Line	MB: 287/189 1975-00637	Yes
MR 34	42-4-322.2	172 Lancaster Avenue	Gravity Line	MB: 287/185 1975-00636	Yes
MR 35	42-4-322.1	188 Lancaster Avenue	Gravity Line	MB: 284/181 1975-00635	Yes
MR 36	42-4-318	200 Lancaster Avenue	Gravity Line	MB: 284/177 1975-00634	Yes
MR 37	42-4-317.2	218 Lancaster Avenue	Gravity Line	MB: 284/169 MB: 287/17	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 38	42-4-317.1	228 Lancaster Avenue	Gravity Line	MB: 284/173 1975-00633	Yes
MR 39	42-4-317	228 Lancaster Avenue	Gravity Line	MB: 284/169 MB: 287/17	Yes
MR 40	42-4-316	230 Lancaster Avenue	Gravity Line	MB: 284/165 1975-00631	Yes
MR 41	42-4-315	240 Lancaster Avenue	Gravity Line	MB: 284/161 MB: 287/157	Yes
MR 42	42-4-313	270 Lancaster Avenue	Gravity Line	MB: 284/153 MB: 287/157	Yes
MR 43	42-4-132.1	7 Lancaster Avenue	Gravity Line	MB: 199/27 MB: 284/245	Yes
MR 44	42-4-139	73 Lancaster Avenue	Gravity Line	MB: 287/1 1975-00683	Yes
MR 45	42-4-140	77 Lancaster Avenue	Gravity Line	MB: 287/9 1975-00685	Yes
MR 46	42-4-141	81 Lancaster Avenue	Gravity Line	MB: 284/249 1975-00652	Yes
MR 47	42-4-130	101 Lancaster Avenue	Gravity Line	DB: 6523/952	Yes
MR 48	42-4-127	115 Lancaster Avenue	Gravity Line	MB: 284/261 1975-00655	Yes
MR 49	42-4-129	155 Lancaster Avenue	Gravity Line	MB: 284/257 MB: 284/265	Yes
MR 50	42-4-125.2	157 Lancaster Avenue	Gravity Line	MB: 284/257 MB: 284/265	Yes
MR 51	42-4-125.3	161 Lancaster Avenue	Gravity Line	MB: 284/269 1975-00657	Yes
MR 52	42-4-125.3A	167 Lancaster Avenue	Gravity Line	MB: 284/269 1975-00657	Yes
MR 53	42-4-125.8	NS Lancaster Avenue	Gravity Line	MB: 287/273 1975-00658	Yes
MR 54	42-4-125	NS Lancaster Avenue	Gravity Line	MB: 345/130 MB: 284/273	Yes
MR 55	42-4-102.2	181 Lancaster Avenue	Gravity Line	MB: 401/378 MB: 284/277	Yes
MR 56	42-4-102.4	183 Lancaster Avenue	Gravity Line	MB: 401/378 MB: 284/277	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 57	42-4-103	189 Lancaster Avenue	Gravity Line	MB: 284/281 1975-00660	Yes
MR 58	42-4-104	195 Lancaster Avenue	Gravity Line	MB: 399/399 MB: 284/285	Yes
MR 59	42-4-106.1	197 Lancaster Avenue	Gravity Line	MB: 284/253 1975-00653	Yes
MR 60	42-4-97.1	237 Lancaster Avenue	Gravity Line	MB: 284/289 MB: 284/293	Yes
MR 61	42-4-98.1	245 Lancaster Avenue	Gravity Line	MB: 284/289 1975-00664	Yes
MR 62	42-4-98.4	249 Lancaster Avenue	Gravity Line	MB: 284/302 1975-00665	Yes
MR 63	42-4-98	255 Lancaster Avenue	Gravity Line	MB: 286/336 MB: 284/302	Yes
MR 64	42-4-100	271 Lancaster Avenue	Gravity Line	MB: 983/401 MB: 284/306	Yes
MR 65	42-4-89.1B	NS Lancaster Avenue	Gravity Line	MB: 286/336 1975-00679	Yes
MR 66	42-4-89.1A	NS Lancaster Avenue	Gravity Line	MB: 546/424	Yes
MR 67	42-4-101.1	289 Lancaster Avenue	Gravity Line	MB: 983/337 1987-0872	Yes
MR 68	42-4-87.2	309 Lancaster Avenue	Gravity Line & Force Main	MB: 983/349 1987-08872	Yes
MR 69	42-4-333	18 E. Lancaster Avenue	Gravity Line		No
MR 70	42-4-334-E	Railroad Tracks	Gravity Line		No (2 Crossings)
MR 71	42-4-335	9 Village Way	Gravity Line	MB: 206/582 MB: 199/30	Yes
MR 72	42-4-338	5 Old Lancaster Pike	Gravity Line	MB: 197/274	Yes
MR 73	42-4-350	54 Old Lancaster Pike	Gravity Line	MB: 197/274	Yes
MR 74	42-4-352	54 Old Lancaster Pike	Gravity Line & Meter	MB: 199/61 1972-00518	No
MR 75	42-4-351	52 Old Lancaster Pike	Gravity Line	Plan No. 7654	Yes
MR 76	42-4-352.1	100 Daisey Lane	Gravity Line	Plan No. 7654	Yes
MR 77	42-4-352.2	102 Daisey Lane	Gravity Line	Plan No. 7654	Yes
MR 78	42-4-352.3	103 Daisey Lane	Gravity Line		No

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 79	42-4-343	333 North Warren Avenue	Gravity Line	MB: 199/79 1972-00524	Yes
MR 80	42-4R-26	15 Spring Road	Gravity Line	MB: 345/56 MB: 284/347	Yes
MR 81	42-4R-34	39 Spring Road	Gravity Line	MB: 402/164 MB: 285/1	Yes
MR 82	42-4R-33	45 Spring Road	Gravity Line	MB: 345/56	Yes
MR 83	42-4R-32	57 Spring Road	Gravity Line	MB: 285/5 1975-00675	Yes
MR 84	42-4R-25	127 Watch Hill Lane	Gravity Line	MB: 345/56	Yes
MR 85	42-4R-21	Between Watch Hill Ln & Fahnestock Road	Gravity Line	MB: 286/344 1975-00681	Yes
MR 86	42-4R-19	8 Lantern Lane	Gravity Line	MB: 284/339 1975-00671	Yes
MR 87	42-4R-20	9 Lantern Lane	Gravity Line	MB: 284/343 1975-00672	Yes
MR 88	42-4-321.2	1 South Malin Road	Gravity Line	MB: 197/888	Yes
MR 89	42-4-278.20	Inis Way/Kerry Lane	Gravity Line	DB: 3877/431	Yes
MR 90	42-4-281.47	Sugar Ridge Lane & Sunnybrook Lane	Gravity Line	DB: 6267/2378 DB: 4643/95	Yes
MR 91	42-4-281	Sugar Ridge Common Area	Gravity Line	DB: 6267/2378 DB: 4643/95	Yes
MR 92	42-4-281.28	8 Broad Leaf Terrace	Gravity Line	DB: 6267/2378 DB: 4643/95	Yes
MR 93	42-4-281.29	10 Broad Leaf Terrace	Gravity Line	DB: 6267/2378 DB: 4643/95	Yes
MR 94	42-4-281.30	12 Broad Leaf Terrace	Gravity Line	DB: 6267/2378 DB: 4643/95	Yes
MR 95	42-4-281.31	14 Broad Leaf Terrace	Gravity Line	DB: 6267/2378 DB: 4643/95	Yes
MR 96	42-4-294-E	Railroad Tracks	Gravity Line		No (4 Crossings)
MR 97	42-7C-5	15 Oak Hill Circle	Gravity Line	DB: 5648/615	Yes
MR 98	42-4Q-169	17 Oak Hill Circle	Gravity Line	DB: 5648/607	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 99	42-4Q-157	41 Oak Hill Circle	Gravity Line	MB: 427/203	Yes
MR 100	42-4Q-156	43 Oak Hill Circle	Gravity Line	MB: 427/203	Yes
MR 101	42-4Q-155	45 Oak Hill Circle	Gravity Line	MB: 419/341	Yes
MR 102	42-4Q-179	5 Forest Way	Gravity Line	PB: 43/4	Yes
MR 103	42-4Q-180	7 Forest Way	Gravity Line	PB: 43/4	Yes
MR 104	42-4Q-172	30 Oak Hill Circle	Gravity Line	PB: 43/4	Yes
MR 105	42-4Q-171	32 Oak Hill Circle	Gravity Line	PB: 43/4	Yes
MR 106	42-7B-138.10	19 Amy Lane	Gravity Line	DB: 2603/389	Yes
MR 107	42-7B-138.11	21 Amy Lane	Gravity Line	DB: 2603/389	Yes
MR 108	42-7-64.4	16 Summit Road	Gravity Line	MB: 960/194	Yes
MR 109	42-7-64.2	20 Summit Road	Gravity Line	MB: 960/190	Yes
MR 110	42-4P-28-E	49 Summit Road	Gravity Line	DB: H49/87	Yes
MR 111	42-4-295.1	8 South Malin Road	Gravity Line	MB: 284/327 1975-00668	Yes
MR 112	42-4-321	9 South Malin Road	Gravity Line	MB: 284/340 1975-00680	Yes
MR 113	42-4-321.1	10 South Malin Road	Gravity Line	MB: 286/323 1975-00667	Yes
MR 114	42-4K-143	28 Birch Road	Gravity Line		No
MR 115	42-4K-142	30 Birch Road	Gravity Line		No
MR 116	42-4K-28	6 Pine Road	Gravity Line	MB: 197/271	Yes
MR 117	42-4K-27	8 Pine Road	Gravity Line	MB: 196/996	Yes
MR 118	42-4K-7	7 Pine Road	Gravity Line	MB: 196/1002	Yes
MR 119	42-4K-6	9 Pine Road	Gravity Line	MB: 197/1021	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 120	42-4K-30	7 Locust Drive	Gravity Line	MB: 197/262 MB: 347/323	Yes
MR 121	42-4K-17	12 Locust Drive	Gravity Line	MB: 196/999 MB: 347/323	Yes
MR 122	42-4-109	67 Malin Road	Gravity Line	MB: 377/134	Yes
MR 123	42-4-110	69 Malin Road	Gravity Line	MB: 345/134	Yes
MR 124	42-4-143	39 Conestoga Road	Gravity Line	Plan No. 5498 MB: 197/268	Yes
MR 125	42-4-144	ES Conestoga Road	Gravity Line	MB: 336/282	Yes
MR 126	42-4-240.3	8 Winding Way	Gravity Line	MB: 199/51 PB: 49/27	Yes
MR 127	42-4-240.1	12 Winding Way	Gravity Line	MB: 202/41 MB: 199/48	Yes
MR 128	42-4-142	40 Morehall Road	Gravity Line	MB: 197/268	Yes
MR 129	42-4-252	S of Winding Way	Gravity Line	MB: 197/883	Yes
MR 130	42-4-249	30 Winding Way	Gravity Line	MB: 345/52	Yes
MR 131	42-4-253-E	36 Winding Way	Gravity Line	DB: O31/211	Yes
MR 132	42-4-257.1	200 Lindenwood Drive	Gravity Line	MB: 199/57	Yes
MR 133	42-4-254	50 Morehall Road	Gravity Line	MB: 347/326 MB: 199/57	Yes
MR 134	42-4-260.6-E	30 East Swedesford Road	Gravity Line	DB: 554/536	Yes
MR 135	42-4-53.14	20 Liberty Boulevard	Gravity Line	DB: 2603/325 Plan No. 9429	Yes
MR 136	42-4-53.15	40 Liberty Boulevard	Gravity Line	DB: 2603/380 Plan No. 8837	Yes
MR 137	42-4-53.16	11 Liberty Boulevard	Gravity Line	DB: 554/536 Plan No. 7496	Yes
MR 138	42-4-53.6	10 Valley Stream Parkway	Gravity Line & Force Main	Plan No. 5076 DB: 6765/1748	Yes
MR 139	42-4-53.10	20 Valley Stream Parkway	Gravity Line & Force Main	Plan No. 5434 DB: 6765/1748	Yes
MR 140	42-4-53.7	30 Valley Stream Parkway	Gravity Line & Force Main	Plan No. 5434 DB:6765/1748	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MR 141	42-4-53.12	40 Valley Stream Parkway	Gravity Line	Plan No. 6432 DB: 554/536	Yes
MR 142	RESERVED				
MR 143	42-4-53.5	65 Valley Stream Parkway	Gravity Line	Plan No. 4799	Yes
MR 144	42-4-53.3	51 Valley Stream Parkway	Gravity Line	DB: 6773/235	Yes
MR 145	42-4-53.11	75 Valley Stream Parkway	Gravity Line	Plan No. 19299 DB: 554/536	Yes
MR 146	42-4-53	41 Valley Stream Parkway	Gravity Line	DB: 554/536	Yes
MR 147	42-4-53.8	70 Valley Stream Parkway	Gravity Line	DB: 554/536	Yes
MR 148	42-2-8.1	1400 Atwater Drive	Gravity Line	Plan No. 19233 Plan No. 15830	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)			
Street	Structure	Instrument/ Docket	Easement or ROW
Oak Hill Circle	Gravity Line	DB: H49/60 DB: S54/414	Yes
Forest Way	Gravity Line	DB: H49/60 DB: S54/414	Yes
Amy Lane	Gravity Line & Force Main	DB: 2603/308	Yes
Birch Road	Gravity Line	DB: Q35/224 DB: Q35/243 DB: P40/443	Yes
Locust Road	Gravity Line	DB: Q35/224	Yes
Pine Road	Gravity Line	DB: Q35/239	Yes
Doe Lane	Gravity Line	DB: P40/246 DB: W31/40	Yes
Buck Run Lane	Gravity Line	DB: W31/40	Yes
Willow Drive	Gravity Line	DB: P40/443	Yes
Sycamore Drive	Gravity Line	DB: P40/443	Yes
Beth Circle	Gravity Line	DB: T49/241	Yes
Village Way	Gravity Line	DB: N27/627 DB: Q24/523 DB: W24/133	Yes
Spring Road	Gravity Line	DB: S36/52 DB: W31/64	Yes
Woodview Road	Gravity Line	DB: W31/64	Yes
Fahnestock Road	Gravity Line	DB: A28/493 DB: V28/667 DB: Q24/521 DB: X24/35	Yes
Longview Road	Gravity Line	DB: A28/493 DB: V28/667 DB: Q24/521 DB: X24/35	Yes
Lantern Lane	Gravity Line	DB: X24/35	Yes

MATTHEWS ROAD DRAINAGE AREA (MR)			
Street	Structure	Instrument/ Docket	Easement or ROW
Old Lincoln Highway/ Old Lancaster Road	Gravity Line	DB: 2603/365	Yes
Roberts Road	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Elbow Lane	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Winding Way	Gravity Line	DB: N29/192 DB: O31/215	Yes
Wood Lane	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Beth Lane	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Hillside Drive	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Kane Drive	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Swedesford Road	Gravity Line	DB: N29/192 DB: O31/215 DB: O31/222	Yes
Valley Stream Parkway	Gravity Line & Force Main	DB: 6773/219 DB: 6773/235	Yes
Malin Road	Gravity Line	DB: Q35/224	Yes
South Malin Road	Gravity Line	DB: 2603/336	Yes
South Malin Road Railroad Crossing			No
Summit Road	Gravity Line	DB: H49/60	Yes
U.S. Route 202	Gravity Line	MB: 554/536	Yes
Lancaster Avenue	Gravity Line & Force Main		Yes
East Lancaster Avenue	Gravity Line		Yes
Conestoga Road	Gravity Line & Force Main		Yes
Morehall Road	Gravity Line & Force Main		Yes

MATTHEWS ROAD DRAINAGE AREA (MR)			
Street	Structure	Instrument/ Docket	Easement or ROW
East Swedesford Road	Gravity Line		Yes
Matthews Road	Gravity Line		Yes
Warren Avenue	Gravity Line		Yes
Lindenwood Drive	Gravity Line		Yes

KING ROAD DRAINAGE AREA (KR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
KR 1	53-2-18 & 53-2-127	940 West King Road	Pump Station	DB: 6033/577	Yes
KR 2	42-7-53	909 King Road	Force Main	Plan No. 7631	Yes
KR 3	42-7B-101	911 King Road	Gravity Line & Force Main	DB: 689/549	Yes
KR 4	42-7B-102	1 Kings Circle	Gravity Line & Force Main	DB: 9549/1435	Yes
KR 5	42-7B-133	923 King Road	Gravity Line & Force Main	DB: 10200/763	Yes
KR 6	42-7B-132	927 King Road	Gravity Line & Force Main	DB: 3587/954	Yes
KR 7	42-7B-119	937 King Road	Gravity Line & Force Main	DB: F53/118	Yes
KR 8	42-7B-120	36 Kings Circle	Gravity Line & Force Main	DB: 3827/1452	Yes
KR 9	42-7B-118	35 Kings Circle	Gravity Line & Force Main	DB: 10117/2299	Yes
KR 10	42-7B-85	957 King Road	Gravity Line & Force Main	DB: 6737/2373	Yes
KR 11	42-7B-86	1 Madeline Drive	Gravity Line & Force Main	DB: 8800/2081	Yes
KR 12	42-7B-84	961 King Road	Gravity Line & Force Main	DB: 3532/2014	Yes
KR 13	42-7B-83	965 King Road	Gravity Line & Force Main	DB: 9636/2118	Yes
KR 14	42-7B-82	6 Queen Anne Lane	Gravity Line & Force Main	DB: 9839/713	Yes
KR 15	42-7B-81	8 Queen Anne Lane	Gravity Line & Force Main	DB: 9179/23	Yes
KR 16	42-7B-80	10 Queen Anne Lane	Gravity Line & Force Main	DB: 3584/1943	Yes
KR 17	42-7B-52	1009 King Road	Gravity Line	PB: 16/45 DB: 5686/920	Yes
KR 18	42-7-52.2	1011 King Road	Gravity Line	PB: 16/45	Yes
KR 19	42-7-52.3	1013 King Road	Gravity Line	PB: 16/45 DB: 5648/601	Yes
KR 20	42-7-52.1A	1015 King Road	Gravity Line	PB: 16/45 Plan No. 1193	Yes

KING ROAD DRAINAGE AREA (KR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
KR 21	42-7-50.1	1017 King Road	Gravity Line	Plan No. 17279	Yes
KR 22	42-7-50	1021 King Road	Gravity Line	Plan No. 17279	Yes

KING ROAD DRAINAGE AREA (KR)			
Street	Structure	Instrument/ Docket	Easement or ROW
Kings Circle	Gravity Line	DB: N29/595	Yes
Madeline Drive	Gravity Line	DB: V28/663	Yes
Kevin Way	Gravity Line	DB: V28/663	Yes
Queen Anne Lane	Gravity Line	DB: V28/671	Yes
Carol Lane	Gravity Line	DB: V28/671	Yes
King Road	Gravity Line & Force Main		Yes

WESTGATE DRAINAGE AREA (WG)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WG 1	42-4-87.2	309 Lancaster Avenue	Gravity, FM & Pump Station	MB: 983/353 1987-08872	Yes
WG 2	42-4-87.1	337 Lancaster Avenue	Gravity Line	MB: 983/341 1987-08872	Yes
WG 3	42-4N-22	345 Lancaster Avenue	Gravity Line	MB: 983/405 1987-08872	Yes
WG 4	42-4N-21	351 Lancaster Avenue	Gravity Line	MB: 983/357 1987-08872	Yes
WG 5	42-4N-20.1	353 Lancaster Avenue	Gravity Line	MB: 983/361 1987-08872	Yes
WG 6	42-4N-39	365 Lancaster Avenue	Gravity Line	MB: 983/365 1987-08872	Yes
WG 7	42-4N-40	375 Lancaster Avenue	Gravity Line	MB: 983/369 1987-08872	Yes
WG 8	42-4N-41	383 Lancaster Avenue	Gravity Line	MB: 983/345 1987-08872	Yes
WG 9	42-4N-42	385 Lancaster Avenue	Gravity Line	MB: 983/409 1987-08872	Yes
WG 10	42-4N-43	393 Lancaster Avenue	Gravity Line	MB: 983/413 1987-08872	Yes
WG 11	42-4N-44	397 Lancaster Avenue	Gravity Line	MB: 1357/504 1987-08895	Yes
WG 12	42-4-312	284 Lancaster Avenue	Gravity Line	MB: 983/373 1987-08872	Yes
WG 13	42-4-312.1	286 Lancaster Avenue	Gravity Line	MB: 983/377 1987-08872	Yes
WG 14	42-4-311	288 Lancaster Avenue	Gravity Line	MB: 983/381 1987-08872	Yes
WG 15	42-4-310.1	Lancaster Avenue	Gravity Line	MB: 983/417 1987-08872	Yes
WG 16	42-4-310	310 Lancaster Avenue	Gravity Line	MB: 983/385 1987-08872	Yes
WG 17	42-4-310.2	310 Lancaster Avenue	Gravity Line	MB: 983/421 1987-08872	Yes
WG 18	42-4-309	310 Lancaster Avenue	Gravity Line	MB: 983/421 1987-08872	Yes

WESTGATE DRAINAGE AREA (WG)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WG 19	42-4-309.1	330 Lancaster Avenue	Gravity Line	MB: 983/425 1987-08872	Yes
WG 20	42-4-308.2	340 Lancaster Avenue	Gravity Line	MB: 983/429 Plan No. 16523	Yes
WG 21	42-4-308.1	352 Lancaster Avenue	Gravity Line	MB: 983/369 1987-08872	Yes
WG 22	42-4-308	362 Lancaster Avenue	Gravity Line	MB: 983/393 DB: 3608/825	Yes
WG 23	42-4-307	360 Lancaster Avenue	Gravity Line	MB: 983/397 1987-08872	Yes
WG 24	42-4-306	370 Lancaster Avenue	Gravity Line	MB: 983/433 1987-08872	Yes
WG 25	42-4-304.2	382 Lancaster Avenue	Gravity Line	MB: 983/437, 441 445 & 449	Yes
WG 26	42-4-304-E	384 Lancaster Avenue	Gravity Line	MB: 983/453 1987-08872	Yes
WG 27	42-4-303	392 Lancaster Avenue	Gravity Line	DB: 1358/34 Plan No. 19774	Yes
WG 28	42-4-319-E	Railroad Tracks	Gravity Line		No
WG 29	42-4-296.16	155 Three Tun Road	Gravity Line	Plan No. 15362	Yes
WG 30	42-4-296.15	215 Three Tun Road	Gravity Line	Plan No. 15362	Yes
WG 31	42-4-296.14	225 Three Tun Road	Gravity Line	Plan No. 18412	Yes
WG 32	42-4-296.7	380 Three Tun Road	Gravity Line	DB: 5792/93	Yes
WG 33	RESERVED				

WESTGATE DRAINAGE AREA (WG)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WG 34	42-4-297.2	60 Three Tun Road	Gravity Line	Plan No. 18267	Yes
WG 35	42-4-297.3	70 Three Tun Road	Gravity Line	Plan No. 20467	Yes
WG 36	RESERVED				
WG 37	42-7B-134	1 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 38	42-7B-135	3 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 39	42-4P-15	5 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 40	42-4P-16	7 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 41	42-4P-17	9 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 42	42-4P-18	11 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 43	42-4P-19	13 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 44	42-4P-20	15 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 45	42-4P-29	17 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 46	42-4P-30	19 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 47	42-4P-31	21 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 48	42-4P-32	23 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 49	42-7B-145	2 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 50	42-7B-144	4 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 51	42-7B-143	6 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 52	42-7B-142	8 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 53	42-4P-37	10 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 54	42-4P-36	12 Ridge Road	Gravity Line	MB: 575/140	Yes

WESTGATE DRAINAGE AREA (WG)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WG 55	42-7B-151	14 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 56	42-7B-150	16 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 57	42-7B-149	18 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 58	42-7B-148	20 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 59	42-7B-147	22 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 60	42-7B-146	24 Ridge Road	Gravity Line	MB: 575/140	Yes
WG 61	42-7B-137	2 Ridgewood Drive	Gravity Line	MB: 575/140	Yes
WG 62	42-4P-27	3 Ridgewood Drive	Gravity Line	MB: 575/140	Yes
WG 63	42-4P-24	4 Ridgewood Drive	Gravity Line	MB: 575/140	Yes
WG 64	42-4P-23	6 Ridgewood Drive	Gravity Line	MB: 575/140	Yes
WG 65	42-4P-22	8 Ridgewood Drive	Gravity Line	MB: 575/140	Yes
WG 66	42-4P-21	10 Ridgewood Drive	Gravity Line	MB: 575/140	Yes
WG 67	42-4P-33	3 Sleighride Drive	Gravity Line	MB: 575/140	Yes
WG 68	42-4P-26	85 Summit Road	Gravity Line	MB: 575/140	Yes
WG 69	42-4P-25	87 Summit Road	Gravity Line	MB: 575/140	Yes
WG 70	42-7B-136	93 Summit Road	Gravity Line	MB: 575/140	Yes
WG 71	42-7B-100.2	90 Summit Road	Gravity Line	DB: 5648/717	Yes
WG 72	42-7B-100	92 Summit Road	Gravity Line	DB: 5648/711	Yes
WG 73	42-7A-41	26 Carol Lane	Gravity Line	DB: 5648/564	Yes
WG 74	42-7A-39	30 Carol Lane	Gravity Line	DB: 5686/926	Yes

WESTGATE DRAINAGE AREA (WG)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WG 75	42-7A-38	32 Carol Lane	Gravity Line	DB: 5648/558	Yes
WG 76	42-7A-37	34 Carol Lane	Gravity Line	DB: 5676/1121	Yes
WG 77	42-7A-36	36 Carol Lane	Gravity Line	DB: 5676/1145	Yes
WG 78	42-7A-35	38 Carol Lane	Gravity Line	DB: 5676/1139	Yes
WG 79	42-7A-34	40 Carol Lane	Gravity Line	DB: 5676/1096	Yes
WG 80	42-7A-33	42 Carol Lane	Gravity Line	DB: 5676/1133	Yes
WG 81	42-7A-32	44 Carol Lane	Gravity Line	DB: 5676/1151	Yes
WG 82	42-7A-31	46 Carol Lane	Gravity Line	DB: 5676/1103	Yes
WG 83	42-7A-27	54 Carol Lane	Gravity Line	DB: 5542/1669 2003-00682	Yes
WG 84	42-7A-25.3	3 Dawn Way	Gravity Line	DB: 3802/1172	Yes
WG 85	42-7A-11.9	27 Judith Lynn Way	Gravity Line	DB: 4599/2192	Yes
WG 86	42-7A-11.10	29 Judith Lynn Way	Gravity Line	DB: 4599/2192	Yes
WG 87	42-7A-92.5	15 Rogers Way	Gravity Line	DB: 4599/2214	Yes
WG 88	42-7A-92.6	17 Rogers Way	Gravity Line	DB: 4599/2214	Yes
WG 89	42-7A-92.12	16 Rogers Way	Gravity Line	DB: 4599/2214	Yes
WG 90	42-7A-92.10	20 Rogers Way	Gravity Line	DB: 4599/2214	Yes
WG 91	42-7A-68	4 Barbara Drive	Gravity Line	DB: 5648/577	Yes
WG 92	42-7A-69	6 Barbara Drive	Gravity Line	DB: 5686/942	Yes
WG 93	42-7A-92.15	10 Barbara Drive	Gravity Line	DB: 4599/2214	Yes
WG 94	42-7A-74	3 Barbara Drive	Gravity Line	DB: 5648/583	Yes

WESTGATE DRAINAGE AREA (WG)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WG 95	42-7A-73	5 Barbara Drive	Gravity Line	DB: 5648/570	Yes
WG 96	42-7A-92.14	11 Barbara Drive	Gravity Line	DB: 4599/2214	Yes
WG 97	42-7A-88	197 Summit Road	Gravity Line	DB: 5648/699	Yes
WG 98	RESERVED				
WG 99	42-7A-55	218 Summit Road	Gravity Line	DB: 5648/693	Yes
WG 100	42-7A-65	219 Summit Road	Gravity Line	DB: 5676/1115	Yes
WG 101	42-7A-84	125 Sproul Road	Gravity Line	DB: 5676/1127	Yes
WG 102	42-7A-83	127 Sproul Road	Gravity Line	DB: 5648/730	Yes
WG 103	42-7A-82	129 Sproul Road	Gravity Line	DB: 5676/1109	Yes
WG 104	42-7A-81	131 Sproul Road	Gravity Line	DB: 5648/723	Yes
WG 105	42-7A-80	133 Sproul Road	Gravity Line	DB: 5542/1657 2003-00679	Yes
WG 106	42-7A-80.1	135 Sproul Road	Gravity Line	DB: 5542/1657 2003-00679	Yes
WG 107	42-7A-79	137 Sproul Road	Gravity Line	DB: 5686/912	Yes
WG 108	42-7-40	159 Sproul Road	Gravity Line	DB: 5542/1624 2003-00680	Yes
WG 109	RESERVED				
WG 110	42-7-43	179 Sproul Road	Gravity Line	DB: 5686/932	Yes
WG 111	42-7-44	181 Sproul Road	Gravity Line	DB: 5686/936	Yes
WG 112	42-7-48	1029 King Road	Gravity Line	DB: 5648/595	Yes
WG 113	42-7A-60	3 Woodcrest Lane	Gravity Line	DB: 5542/2126 2003-02145	Yes
WG 114	42-7A-59	4 Woodcrest Lane	Gravity Line	DB: 5648/589	Yes
WG 115	42-7A-58	6 Woodcrest Lane	Gravity Line	DB: 5542/1691 2003-00683	Yes

WESTGATE DRAINAGE AREA (WG)			
Address	Structure	Instrument/ Docket	Easement or ROW
Westgate Village Drive	Gravity Line & Force Main	DB: 4804/2104	Yes
Buttonwood Avenue	Gravity Line	DB: R24/293	Yes
Beechwood Avenue	Gravity Line	DB: R24/293	Yes
Ridge Road	Gravity Line	DB: S60/29	Yes
Ridgewood Drive	Gravity Line	DB: S60/29	Yes
Sleighride Drive	Gravity Line	DB: S60/29	Yes
Summit Road	Gravity Line	DB: S60/29 MB: 114/645 DB: 2603/357 DB: S36/49	Yes
Carol Lane	Gravity Line	MB: 114/645	Yes
Diane Drive	Gravity Line	MB: 114/645	Yes
Dawn Way	Gravity Line	DB: 3802/1172	Yes
Judith Lynn Way	Gravity Line	DB: 4599/2180	Yes
Carla Terrace	Gravity Line	DB: 4599/2180	Yes
Rogers Way	Gravity Line	DB: 4599/2224	Yes
Barbara Drive	Gravity Line	DB: O34/259	Yes
Woodcrest Lane	Gravity Line	DB: T33/81	Yes

PLANEBROOK DRAINAGE AREA (PB)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
PB 1	42-3-153.3	150 Planebrook Road	Gravity, FM & Pump Station	DB: 9950/1608 DB: 9830/1917	Yes
PB 2	42-3-165	60 Planebrook Road	Gravity Line & Force Main	DB: 9579/478	Yes
PB 3	42-3-149.1	5 Frame Avenue	Gravity Line & Force Main	DB: 1358/17 1988-08895	Yes
PB 4	42-3R-11.1	549 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/564 1988-08895	Yes
PB 5	42-3R-12	555 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/568 1988-08895	Yes
PB 6	42-3R-13	565 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/572 1988-08895	Yes
PB 7	42-3-179	567 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/576 1988-08895	Yes
PB 8	42-3-180	577 Lancaster Avenue (incl. r-o-w strip)	Gravity Line & Force Main	DB: 1678/190 1988-08895	Yes
PB 9	42-3Q-19	581 Lancaster Avenue (incl. r-o-w strip)	Gravity Line & Force Main	DB: 1357/584 1988/08895	Yes
PB 10	42-3Q-18	585 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/588 1988-08895	Yes
PB 11	42-3Q-9	587 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/592 1988-08895	Yes
PB 12	42-3-182	589 Lancaster Avenue	Gravity Line & Force Main	DB: 1358/1 1988-08895	Yes
PB 13	42-3-181	591 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/592 1988-08895	Yes
PB 14	42-3-183	593 Lancaster Avenue	Gravity Line & Force Main	DB: 1358/5 1988-08895	Yes
PB 15	42-3-184	593 Lancaster Avenue	Gravity Line & Force Main	DB: 1358/9 1988-08895	Yes
PB 16	42-3-185.1	593 Lancaster Avenue	Gravity Line & Force Main	DB: 1358/13 1988-08895	Yes
PB 17	42-3-185	609 Lancaster Avenue	Gravity Line & Force Main	DB: 1358/17 1988-08895	Yes
PB 18	42-3-145	619 Lancaster Avenue	Gravity Line	DB: 1358/126 1988-08895	Yes
PB 19	42-6-10.1	627 Lancaster Avenue	Gravity Line	DB: 1358/26 1988-08895	Yes

PLANEBROOK DRAINAGE AREA (PB)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
PB 20	42-6-10	635 Lancaster Avenue	Gravity Line	DB: 1358/30 1988-08895	Yes
PB 21	RESERVED				
PB 22	42-3-228	562 Lancaster Avenue	Gravity Line	DB: 1358/82 1988-08895	Yes
PB 23	42-6-23.1	564 Lancaster Avenue	Gravity Line	DB: 1358/86 1988-08895	Yes
PB 24	42-6-23.4	590 Lancaster Avenue	Gravity Line	DB: 1358/94 1988-08895	Yes
PB 25	42-6-23.4A	596 Lancaster Avenue	Gravity Line	DB: 1358/94 1988-08895	Yes
PB 26	42-6-24.2	9 Ravine Road	Gravity Line	DB: 1358/54 1988-08895	Yes
PB 27	42-6-21	SS Lancaster Avenue	Gravity Line	DB: 1358/114 1988-08895	Yes
PB 28	42-6-23	600 Lancaster Avenue	Gravity Line	DB: 1358/90 DB: 1379/275	Yes
PB 29	42-6-23.3	600 Lancaster Avenue	Gravity Line	DB: 1358/98 1988-08895	Yes
PB 30	42-6-23.2D	630 Lancaster Avenue	Gravity Line	DB: 1358/102 1988-08895	Yes
PB 31	42-6-23.2	634 Lancaster Avenue	Gravity Line	DB: 1358/122 1988-08895	Yes
PB 32	42-6-23.2C	638 Lancaster Avenue	Gravity Line	DB: 1358/106 1988-08895	Yes
PB 33	42-6-23.2B	640 Lancaster Avenue	Gravity Line	DB: 1358/110 1988-08895	Yes
PB 34	42-6-23.2A	642 Lancaster Avenue	Gravity Line	DB: 1358/118 1988-08895	Yes
PB 35	RESERVED				
PB 36	42-6-246	Whitewoods Common Area	Gravity Line	DB: 5406/689	Yes
PB 37	42-6-222	3 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 38	42-6-223	5 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes

PLANEBROOK DRAINAGE AREA (PB)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
PB 39	42-6-224	7 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 40	42-6-225	9 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 41	42-6-226	11 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 42	42-6-227	13 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 43	42-6-228	15 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 44	42-6-229	17 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 45	42-6-230	19 Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
PB 46	42-6G-16-E	NS Glenloch Way	Gravity Line	DB: Y58/519	Yes
PB 47	RESERVED				

PLANEBROOK DRAINAGE AREA (PB)			
Street	Structure	Instrument/ Docket	Easement or ROW
Frame Avenue	Gravity Line, FM & Pump Station	DB: P40/238	Yes
Whitewoods Lane	Gravity Line	DB: 5406/689	Yes
Glenloch Way	Gravity Line	DB: Y58/531	Yes
Ravine Road	Gravity Line	DB: Y58/531	Yes
Ravine Road Railroad Crossing	Gravity Line		No
King Road	Gravity Line	DB: Y58/531	Yes
South Phoenixville Pike	Gravity Line		Yes
Lancaster Avenue	Gravity Line		Yes
Planebrook Road / Phoenixville Pike	Force Main		Yes

MEADOW VIEW DRAINAGE AREA (MV)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MV 1	42-4-88	11 Sycamore Drive	Gravity Line	MB: 546/434	Yes
MV 2	42-4-89.5	9 Willow Drive	Gravity Line	MB: 546/404	Yes
MV 3	42-4-89	304 Swedesford Road	Gravity Line	MB: 546/444	Yes
MV 4	42-4-89.2	310 Swedesford Road	Gravity Line	MB: 546/424	Yes
MV 5	42-4-71.2A	313 Swedesford Road	Pump Station & Force Main	Plan No. 2571	Yes
MV 6	42-4-71.2	309 Swedesford Road	Force Main	Plan No. 2571	Yes
MV 7	42-4-71.13	330 Swedesford Road	Force Main	Plan No. 2571	Yes
MV 8	RESERVED				
MV 9	42-4-71.8	7 Manor View Circle	Force Main		No

MEADOW VIEW DRAINAGE AREA (MV)			
Street	Structure	Instrument/ Docket	Easement or ROW
Willow Drive	Gravity Line	DB: P40/443	Yes
Sycamore Drive	Gravity Line	DB: P40/443	Yes
East Swedesford Road	Gravity Line		Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 1	42-4-2.4-E	200 Conestoga Road	Gravity Line, FM & Pump Station	DB: 3127/39	Yes
ML 2	42-4-2.2-E	198 Conestoga Road	Gravity Line & Force Main	DB: 3127/39	Yes
ML 3	42-4-18-E	170 Conestoga Road	Gravity Line & Force Main	DB: 5959/435	Yes
ML 4	42-4-41, 56 & 66	Chester Valley Trail	Gravity Line & Force Main		GL: No FM: Yes
ML 5	42-4-39	158 Conestoga Road	Force Main	DB: H64/430	Yes
ML 6	42-4-38	154 Conestoga Road	Force Main	DB: 4588/1426	Yes
ML 7	42-4-71.23	1 Valley Creek Road	Force Main	DB: 6761/259	Yes
ML 8	42-4-71.3	1 Manor View Circle	Force Main	DB: 4632/136	Yes
ML 9	42-4K-119	153 Conestoga Road	Force Main	DB: 2538/22	Yes
ML 10	42-4K-120	151 Conestoga Road	Force Main	DB: 85/579	Yes
ML 11	42-4K-121	149 Conestoga Road	Force Main	DB: 1816/457	Yes
ML 12	42-4K-122	147 Conestoga Road	Force Main	DB: S52/265	Yes
ML 13	42-4K-123	145 Conestoga Road	Force Main	DB: 7799/1042	Yes
ML 14	42-4K-124	143 Conestoga Road	Force Main	DB: 4193/2383	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 15	42-4-70	161 Conestoga Road	Gravity Line		No
ML 16	42-4-71.26	8 Limekiln Drive	Gravity Line	DB: H49/68	Yes
ML 17	42-4-71.19	9 Limekiln Drive	Gravity Line	DB: H49/68	Yes
ML 18	42-4-71.18	11 Limekiln Drive	Gravity Line	DB: H49/68	Yes
ML 19	42-4-71.27	11 Valley Creek Road	Gravity Line	DB: H49/68	Yes
ML 20	RESERVED				
ML 21	RESERVED				
ML 22	42-4-60.3	3 Knollbrook Circle	Gravity Line	PB: 61/10	Yes
ML 23	42-4-60.4	5 Knollbrook Circle	Gravity Line	PB: 61/10	Yes
ML 24	42-4-60.5	7 Knollbrook Circle	Gravity Line	PB: 61/10	Yes
ML 25	42-4-60.6	9 Knollbrook Circle	Gravity Line	PB: 61/10	Yes
ML 26	42-4-60.7	11 Knollbrook Circle	Gravity Line	PB: 61/10	Yes
ML 27	42-4-60.8	13 Knollbrook Circle	Gravity Line	PB: 61/10	Yes
ML 28	42-4-60.9	12 Knollbrook Circle	Gravity Line	MB: 420/341	Yes
ML 29	42-4-61.1	20 Mill Lane	Gravity Line	Plan No. 6557	Yes
ML 30	42-4-61.2	22 Mill Lane	Gravity Line	Plan No. 6557	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 31	42-4-61.3	24 Mill Lane	Gravity Line	Plan No. 6557	Yes
ML 32	42-4-61.4	28 Mill Lane	Gravity Line	Plan No. 6557	Yes
ML 33	42-4-65.1	1 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 34	42-4-65.2	3 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 35	42-4-65.3	5 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 36	42-4-65.4	7 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 37	42-4-65.5	9 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 38	42-4-65.6	11 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 39	42-4-65.7	10 Mill Creek Lane	Gravity Line	PB: 63/14	Yes
ML 40	42-4J-31	8 Brett Lane	Gravity Line	PB: 1088	Yes
ML 41	42-4J-9	17 Westgate Circle	Gravity Line	MB: 964/533	Yes
ML 42	42-4J-10	19 Westgate Circle	Gravity Line	MB: 964/533	Yes
ML 43	42-4J-11	21 Westgate Circle	Gravity Line	MB: 964/533	Yes
ML 44	42-4J-13	3 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 45	42-4J-12	5 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 46	42-4J-15	2 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 47	42-4J-16	4 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 48	42-4J-17	6 Stuart Drive	Gravity Line	MB: 964/533	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 49	42-4J-18	8 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 50	42-4J-19	10 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 51	42-4J-20	12 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 52	42-4J-21	14 Stuart Drive	Gravity Line	MB: 964/533	Yes
ML 53	42-4-85.12	Devonshire Lane & Swedesford Road	Gravity Line	DB: 6482/1996	Yes
ML 54	RESERVED				
ML 55	42-4-2.5-E	202 Conestoga Road	Gravity Line	DB: 8918/1465	Yes
ML 56	42-4-2.1-E	206 Conestoga Road	Gravity Line	DB: 3127/39	Yes
ML 57	42-4-365-E	208 Conestoga Road	Gravity Line	DB: 3127/39	Yes
ML 58	42-4-59-E	205 Conestoga Road	Gravity Line	DB: 3520/2315	Yes
ML 59	42-4-58-E	207 Conestoga Road	Gravity Line	DB: 3520/2315	Yes
ML 60	42-4-58.1-E	209 Conestoga Road	Gravity Line	DB: A47/48	Yes
ML 61	42-3-124-E	Chester Valley Trail	Gravity Line	DB: 9750/2155	Yes
ML 62	42-3-123.25	ES Church Road	Gravity Line	DB: 9598/2270	Yes
ML 63	42-3-123.15	120 Sweetwater Way	Gravity Line	DB: 9598/2270	Yes
ML 64	42-3-123.14	122 Sweetwater Way	Gravity Line	DB: 9598/2270	Yes
ML 65	42-3-117.1	WS Church Road	Gravity Line	DB: 9598/2270	Yes
ML 66	42-3-117.1A	124 Foreside Road	Gravity Line	DB: 9598/2270	Yes
ML 67	42-4-55-E	361 Swedesford Road	Gravity Line	Plan No. 14830	Partial Gap
ML 68	RESERVED				
ML 69	RESERVED				

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 70	RESERVED				
ML 71	42-4-62.1	353 Swedesford Road	Gravity Line		No
ML 72	42-4-62.2	355 Swedesford Road	Gravity Line	DB: 5151/2261 2001-10487	Yes
ML 73	42-4-62	357 Swedesford Road	Gravity Line		No
ML 74	RESERVED				
ML 75	RESERVED				
ML 76	42-4-83.1-E & 42-4-83-E	354 Swedesford Road	Gravity Line		No
ML 77	RESERVED				
ML 78	42-3-119.1	76 Church Road	Gravity Line	DB: 7743/170	Yes
ML 79	42-3-118-E	Chester County Trail	Gravity Line	DB: 9750/2155	Yes
ML 80	42-3-115	200 Moores Road	Gravity Line	Plan No. 20653	Yes
ML 81	42-3-115.1	125 Phoenixville Pike	Gravity Line	DB: 3837/1431	Yes
ML 82	42-3-83-E	Chester County Trail	Gravity Line	DB: 9750/2155	Yes
ML 83	42-3-71-E	Chester County Trail	Gravity Line	DB: 9750/2155	Yes
ML 84	42-3-76-E	Chester County Trail	Gravity Line	DB: 9750/2155	Yes
ML 85	42-3-129-E	Chester County Trail	Gravity Line	DB: 9750/2155	Yes
ML 86	42-3-119	421 Swedesford Road	Gravity Line	DB: 7819/2124	Yes
ML 87	42-3-199	430 Swedesford Road	Gravity Line	DB: 7819/2124	Yes
ML 88	42-4-77	22 Church Road	Gravity Line	DB: 1357/492 1988-08895	Yes
ML 89	42-4-80.1	14 Church Road	Gravity Line	DB: 1357/496 1988—08895	Yes
ML 90	42-4-80	403 Lancaster Avenue	Gravity Line	DB: 1357 1988-08895	Yes
ML 91	42-4-75.1	NS Lancaster Avenue	Gravity Line & Pump Station	DB: 1357/483 & 488 1988-08895	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 92	42-3-227	445 Lancaster Avenue	Gravity Line	DB: 1357/479 1988-08895	Yes
ML 93	42-3-226.1	447 Lancaster Avenue	Gravity Line	DB: 1357/4475 1988-08895	Yes
ML 94	42-3-226	449 Lancaster Avenue	Gravity Line	DB: 1357/467 1988-08895	Yes
ML 95	42-3-223	457 Lancaster Avenue	Gravity Line	DB: 1357/471 1988-08895	Yes
ML 96	42-3-222	459 Lancaster Avenue	Gravity Line	DB: 1357/508 1988-08895	Yes
ML 97	42-3-222.1	471 Lancaster Avenue	Gravity Line	DB: 1357/512 1988-08895	Yes
ML 98	42-3-221	477 Lancaster Avenue	Gravity Line	DB: 1357/520 1988-08895	Yes
ML 99	42-4-220	483 Lancaster Avenue	Gravity Line	DB: 1357/516 1988-08895	Yes
ML 100	42-4-218	497 Lancaster Avenue	Gravity Line	DB: 1357/524 & 531 1988-08895	Yes
ML 101	42-3-217	503 Lancaster Avenue	Gravity Line	DB: 1357/528 1988-08895	Yes
ML 102	42-3R-5	1 Charles Street	Gravity Line	DB: 1678/210 1988-08895	Yes
ML 103	42-3R-2	2 Charles Street	Gravity Line	DB: 1678/200 1988-08895	Yes
ML 104	42-3R-16	Charles Street	Gravity Line	DB: 1357/540 1988-08895	Yes
ML 105	42-3R-6	519 Lancaster Avenue	Gravity Line	DB: 1357/544 1988-08895	Yes
ML 106	42-3R-7	527 Lancaster Avenue	Gravity Line	DB: 1357/548 1988-08895	Yes
ML 107	42-3R-8	531 Lancaster Avenue	Gravity Line	DB: 1357/548 1988-08895	Yes
ML 108	42-3R-9	535 Lancaster Avenue	Gravity Line	DB: 1357/556 1988-08895	Yes
ML 109	42-3R-10	537 Lancaster Avenue	Gravity Line & Force Main	DB: 1357/556 1988-08895	Yes
ML 110	42-4-302-E	400 Lancaster Avenue	Gravity Line	DB: 1358/38 1988-08895	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 111	42-4-302.1-E	410 Lancaster Avenue	Gravity Line	DB: 1358/42 1988-08895	Yes
ML 112	42-4-300	420 Lancaster Avenue	Gravity Line	DB: 1358/46 1988-08895	Yes
ML 113	42-4-299	422 Lancaster Avenue	Gravity Line	DB: 1358/50 1988-08895	Yes
ML 114	42-4-298.1	428 Lancaster Avenue	Gravity Line	DB: 1357/422 1988-08895	Yes
ML 115	42-4-298	430 Lancaster Avenue	Gravity Line	DB: 1357/418 1988-08895	Yes
ML 116	42-4-275	446 Lancaster Avenue	Gravity Line	DB: 1357/426 DB: 1379/271	Yes
ML 117	42-3-239	211 Apple Lane	Gravity Line	DB: 1357/430 DB: 1357/434	Yes
ML 118	42-3-237.2	480 Lancaster Avenue	Gravity Line	DB: 1357/438 1988-08895	Yes
ML 119	42-3-237.1	490 Lancaster Avenue	Gravity Line	DB: 1357/442 1988-08895	Yes
ML 120	42-3-236	500 Lancaster Avenue	Gravity Line	DB: 1357/418 1988-08895	Yes
ML 121	42-3-234	510 Lancaster Avenue	Gravity Line	DB: 1357/450 1988-08895	Yes
ML 122	42-3-233.1	520 Lancaster Avenue	Gravity Line	DB: 1357/458 1988-08895	Yes
ML 123	42-3R-40	522 Lancaster Avenue	Gravity Line	DB: 1358/62 1988-08895	Yes
ML 124	42-3R-37	524 Lancaster Avenue	Gravity Line	DB: 1358/58 1988-08895	Yes
ML 125	42-3R-39	526 Lancaster Avenue	Gravity Line	DB: 1358/66 1988-08895	Yes
ML 126	42-3R-38	530 Lancaster Avenue	Gravity Line	DB: 1357/462 1988-08895	Yes
ML 127	42-3-232	536 Lancaster Avenue	Gravity Line	DB: 1358/70 1988-08895	Yes
ML 128	42-3-231	542 Lancaster Avenue	Gravity Line	DB: 1357/536 1988-08895	Yes
ML 129	42-3-229	554 Lancaster Avenue	Gravity Line	DB: 1678/195 DB: 1358/74 & 78	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 130	42-3M-144	80 Markel Road	Gravity Line	DB: 644/72	Yes
ML 131	42-3M-145	82 Markel Road	Gravity Line	DB: 644/72	Yes
ML 132	42-3M-146	84 Markel Road	Gravity Line	DB: 644/72	Yes
ML 133	42-3M-147	86 Markel Road	Gravity Line	DB: 644/72	Yes
ML 134	42-3M-148	88 Markel Road	Gravity Line	DB: 644/72	Yes
ML 135	42-3M-149	90 Markel Road	Gravity Line	DB: 644/72	Yes
ML 136	42-3M-150	92 Markel Road	Gravity Line	DB: 644/72	Yes
ML 137	42-3M-151	94 Markel Road	Gravity Line	DB: 644/72	Yes
ML 138	42-3-109.11	13 Weightman Drive	Gravity Line	Plan Nos. 10112-10115	Yes
ML 139	42-3-297	WS Phoenixville Pike	Gravity Line	Plan Nos. 10112-10115	Yes
ML 140	42-3-251	11 Tunbridge Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 141	42-3-252	13 Tunbridge Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 142	42-3-245	1 Craig Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 143	42-3-296	5 Craig Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 144	42-3-295	7 Craig Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 145	42-3-281	41 Craig Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 146	42-3-280	43 Craig Lane	Gravity Line	Plan Nos. 10112-10115	Yes
ML 147	42-3-298	WS Phoenixville Pike	Gravity Line	Plan Nos. 10112-10115	Yes
ML 148	42-3-298.1	165 Phoenixville Pike	Gravity Line	DB: 4415/1866	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 149	RESERVED				
ML 150	42-3-45.6Q	19 Moores Road	Gravity Line		No
ML 151	42-3-334	21 Moores Road	Gravity Line	Plan No. 13903	Yes
ML 152	42-3-45.6K	26 Atterbury Drive	Gravity Line	PB: 31/19	Yes
ML 153	42-3-242.10	34 Ashlawn Circle	Gravity Line	PB: 37/3	Yes
ML 154	RESERVED				
ML 155	42-4-20.2S	1 Oak Glen Drive	Gravity Line	DB: 1945/343 DB: 1945/353	Yes
ML 156	42-4-20.2Q	5 Oak Glen Drive	Gravity Line	DB: 1945/343 DB: 1945/353	Yes
ML 157	42-4-20.2P	7 Oak Glen Drive	Gravity Line	DB: 1945/343 DB: 1945/353	Yes
ML 158	42-4-4	1 Lapp Road	Gravity Line		No
ML 159	42-4-5.2C	ES Sidley Road	Gravity Line	DB: 7246/1583 DB: 7647/431	Partial Gap
ML 160	42-4-5.2D	ES Sidley Road	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 161	42-4-527	4 Fetters Mill Drive	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 162	42-4-5.45	10 Fetters Mill Drive	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 163	42-4-526	16 Fetters Mill Drive	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 164	42-4-525	18 Fetters Mill Drive	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 165	42-4-524	20 Fetters Mill Drive	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 166	42-4-5.2B	Fetters Mill Drive	Gravity Line	DB: 7246/1583 DB: 7647/431	Yes
ML 167	42-4-6.10	8 Dale Lane	Gravity Line		No
ML 168	42-4-6.14	10 Forge Drive	Gravity Line	DB: 9494/1779	Yes

MILL LANE DRAINAGE AREA (ML)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
ML 169	42-4-5.24E	2 Thayer Drive	Gravity Line	DB: 3127/31	Yes
ML 170	42-3D-33	2 Hayes Road	Gravity Line	DB: 10298/1790	Yes
ML 171	42-3D-34	4 Hayes Road	Gravity Line	DB: 8784/252	Yes
ML 172	42-3D-36	8 Hayes Road	Gravity Line	Pl: 54/18 & 19	Yes
ML 173	42-3D-38	3 Hayes Road	Gravity Line	Pl: 54/18 & 19	Yes
ML 174	42-3D-37	5 Hayes Road	Gravity Line	Pl: 54/18 & 19	Yes
ML 175	42-1R-5	330 Sidley Road	Gravity Line	Pl: 54/18 & 19	Yes
ML 176	42-3D-30	271 Phoenixville Pike	Gravity Line	DB: 1754/73	Yes
ML 177	42-3D-31	273 Phoenixville Pike	Gravity Line	DB: 6306/1321	Yes
ML 178	42-3D-32	275 Phoenixville Pike	Gravity Line	DB: 8432/684	Yes
ML 179	42-1R-6	285 Phoenixville Pike	Gravity Line	Pl: 54/18 & 19	Yes
ML 180	42-2-10.2D	301 Phoenixville Pike	Gravity Line	Plan No. 5996 DB: 9405/211	Yes
ML 181	RESERVED				
ML 182	42-4-2.3	12 Moores Road	Gravity Line	Plan No. 19563 DB: 8906/1501	Yes

MILL LANE DRAINAGE AREA (ML)			
Address	Structure	Instrument/ Docket	Easement or ROW
Manor View Circle	Gravity Line & Force Main	DB: H49/68	Yes
Limekiln Drive	Gravity Line	DB: H49/68	Yes
Valley Creek Road	Gravity Line	DB: H49/68	Yes
Mill Creek Lane	Gravity Line	DB: Y58/546	Yes
Knollbrook Circle	Gravity Line	DB: S51/87	Yes
Brett Lane	Gravity Line	DB: H64/127	Yes
Westgate Circle	Gravity Line	DB: H64/131	Yes
Stuart Drive	Gravity Line	DB: H64/131	Yes
Devonshire Lane	Gravity Line	DB: 6482/1996	Yes
Charles Street	Gravity Line	DB: P30/117	Yes
Beechwood Avenue	Gravity Line	DB: R24/293	Yes
Buttonwood Avenue	Gravity Line	DB: R24/293	Yes
Markel Road	Gravity Line	DB: 644/66	Yes
Kelmar Road	Gravity Line	DB: 644/66	Yes
Rickmar Lane	Gravity Line	MB: 964/570	Yes
Weightman Drive	Gravity Line	DB: 7784/928	Yes
Morris Lane	Gravity Line	DB: 7784/923	Yes
Craig Lane	Gravity Line	DB: 4748/586	Yes
Kenwood Court	Gravity Line	DB: 4748/586	Yes
Clover Mill Lane	Gravity Line	DB: 3966/279 DB: 4748/586 DB: 6267/1	Yes

MILL LANE DRAINAGE AREA (ML)			
Address	Structure	Instrument/ Docket	Easement or ROW
Tunbridge Lane	Gravity Line	DB: 4748/586	Yes
Atterbury Drive	Gravity Line	DB: H49/73	Yes
Flintshire Road	Gravity Line	DB: H49/73	Yes
Ashlawn Road	Gravity Line	DB: H49/73	Yes
Ashlawn Circle	Gravity Line	DB: H49/73	Yes
Oak Glen Road	Gravity Line	DB: 1288/316	Yes
Oak Glen Drive	Gravity Line	DB: 1288/316	Yes
Lapp Road	Gravity Line	DB: 1288/316 DB: 7647/431	Yes
McCoy Court	Gravity Line	DB: 7647/431	Yes
Fetters Mill Drive	Gravity Line	DB: 7647/431	Yes
Dale Lane	Gravity Line	DB: S54/409	Yes
Forge Drive	Gravity Line	DB: S54/409	Yes
Thayer Drive	Gravity Line	DB: 3127/19	Yes
Almy Drive	Gravity Line	DB: 3127/19	Yes
Aston Road	Gravity Line	DB: R53/410	Yes
James Thomas Road	Gravity Line	DB: R53/410	Yes
Spruce Road	Gravity Line	DB: R53/410	Yes
Hayes Road	Gravity Line	DB: R53/418	Yes

MILL LANE DRAINAGE AREA (ML)			
Address	Structure	Instrument/ Docket	Easement or ROW
Yellow Springs Road	Gravity Line	DB: R53/410	Yes
Phoenixville Road	Gravity Line	DB: 7174/1645 DB: 4748/586 DB: R53/410 DB: R53/418 MB: 964/552	Yes
Conestoga Road	Gravity Line/ Force Main	DB: 7174/1645 MB: 964/552 DB: H49/68	Yes
Swedesford Road	Gravity Line	DB: H64/131 DB: H49/68 MB: 964/560	Yes
Sidley Road	Gravity Line	DB: 7647/431 DB: 7246/1583 DB: 3127/19 DB: 117/407 DB: R53/418 DB: H49/73	Yes
Flat Road	Gravity Line	DB: 3127/19	Yes
Moores Road	Gravity Line	DB: 7174/1645 DB: 1945/330 DB: 644/62 DB: 440/532 DB: 440/538 DB: 117/407 DB: H49/73	Yes
Mill Lane	Gravity Line	DB: 420/337 DB: 117/407 DB: Y58/546 DB: S51/87	Yes

HILLBROOK CIRCLE DRAINAGE AREA (HB)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
HB 1	35-3-102	Charlestown Oaks	Gravity Line	DB: 7037/1110	Yes
HB 2	42-3-32.2	38 Hillbrook Circle	Gravity Line		No
HB 3	42-3-32.1	388 Conestoga Road	Gravity Line		No
HB 4	42-3-32	386 Conestoga Road	Gravity Line		No
HB 5	42-3-33	384 Conestoga Road	Gravity Line		No
HB 6	42-3-33.1	2 Hillbrook Circle	Gravity Line		No
HB 7	42-3-107.3P	8 Clover Mill Lane	Gravity Line & Force Main	DB: 6267/2370	Yes
HB 8	42-3-107.3N	10 Clover Mill Lane	Gravity, FM & Pump Station	DB: 6262/2370	Yes

HILLBROOK CIRCLE DRAINAGE AREA (HB)			
Street	Structure	Instrument/ Docket	Easement or ROW
Willing Way	Gravity Line	DB: 9377/1312	Yes
Hillbrook Circle	Gravity Line	DB: K34/292	Yes
Hillbrook Court	Gravity Line	DB: K34/292	Yes
Conestoga Road	Gravity Line & Force Main	MB: 964/552 DB: G52/532	Yes

LEE BOULEVARD DRAINAGE AREA (LB)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
LB 1	RESERVED				
LB 2	42-2-10.4	17 Lee Boulevard	Gravity, FM & Pump Station	Plan No. 5369	Yes
LB 3	42-2-10.5A	15 Lee Boulevard	Gravity Line	PB: 64/30	Yes
LB 4	42-2-10.1	11 Lee Boulevard	Gravity Line & Force Main	Plan No. 10751	Yes
LB 5	42-2-10.3A	14 Lee Boulevard	Gravity Line	Plan No. 5369	Yes
LB 6	42-2-10.3	8 Lee Boulevard	Gravity Line	Plan No. 5349	Yes
LB 7	42-2-10.2B	6 Lee Boulevard	Gravity Line	PB: 59/18	Yes

LEE BOULEVARD DRAINAGE AREA (LB)			
Street	Structure	Instrument/ Docket	Easement or ROW
Lee Boulevard	Gravity Line & Force Main	DB: S51/92	Yes

FLAT ROAD DRAINAGE AREA (FR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
FR 1	RESERVED				
FR 2	RESERVED				
FR 3	42-4-15.10	29 Great Valley Parkway	Gravity Line & Force Main	MB: 574/402 PB: 69/1	Yes
FR 4	42-4-15.10A	31 Great Valley Parkway	Gravity Line & Force Main	MB: 574/402 PB: 69/1	Yes
FR 5	42-4-15.7	33 Great Valley Parkway	Force Main	Plan No. 16670 PB: 69/1	Yes

FLAT ROAD DRAINAGE AREA (FR)			
Street	Structure	Instrument/ Docket	Easement or ROW
Flat Road		DB: U28/28	Yes
Great Valley Parkway		DB: D62/327 MB: 634/200	Yes

WILBURDALE ROAD DRAINAGE AREA (WB)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
WB 1	42-4-15.1	67 Great Valley Parkway	Gravity Line	MB: 634/200	Yes
WB 2	42-4-15.9	103 Great Valley Parkway	Gravity, FM & Pump Station	MB: 634/200	Yes
WB 3	42-4-15.21	244 Great Valley Parkway	Gravity Line	MB: 634/200	Yes
WB 4	42-4-15.14	260 Great Valley Parkway	Gravity Line	MB: 634/200	Yes

WILBURDALE ROAD DRAINAGE AREA (WB)			
Street	Structure	Instrument/ Docket	Easement or ROW
Flat Road	Gravity Line & Force Main	DB: U28/28	Yes
Great Valley Parkway	Gravity Line & Force Main	DB: D62/327 MB: 634/200	Yes

LAPP ROAD DRAINAGE AREA (LR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
LR 1	42-4-29.2	2 West Liberty Boulevard	Gravity Line	Plan No. 16792	Yes
LR 2	42-4-29.1	Old Morehall Road	Force Main	Plan No. 18373	Yes
LR 3	RESERVED				
LR 4	42-4-29	201 Old Morehall Road	Gravity Line & Force Main	Plan No. 15770 DB: 9846/637	Yes
LR 5	42-4-28.2	257 Old Morehall Road	Force Main	DB: 6765/1762	Yes
LR 6	42-4-42	367 Old Morehall Road	Gravity Line & Force Main	DB: 6765/1780	GL: No FM: Yes
LR 7	42-4-25	460 Lapp Road	Gravity Line	DB: 6773/273	Yes
LR 8	42-4-25.3	508 Lapp Road	Gravity Line	DB: 6773/273	Yes
LR 9	42-4-26.1	510 Lapp Road	Gravity, FM & Pump Station	DB: 6773/273 MB: 173/277	Yes
LR 10	42-4-26.2	515 Lapp Road	Force Main	DB: 6773/273	Yes
LR 11	RESERVED				
LR 12	42-2-12.2	1 Great Valley Parkway	Gravity Line	Plan No. 4520	Yes
LR 13	42-2-12.1	3 Great Valley Parkway	Gravity Line	Plan No. 4520	Yes
LR 14	42-2-12.3	5 Great Valley Parkway	Gravity Line	Plan No. 4521	Yes
LR 15	42-2-12	7 Great Valley Parkway	Gravity Line	Plan No. 4521	Yes
LR 16	42-4-52	3 Country View Road	Gravity Line	Plan No. 5010	Yes
LR 17	42-4-52.5	4 Country View Road	Gravity Line	Plan No. 5010	Yes
LR 18	42-4-52.6	5 Country View Road	Gravity Line	Plan No. 5010	Yes
LR 19	42-4-15.15	10 Great Valley Parkway	Gravity Line	DB: 6773/273 MB: 581/59	Yes
LR 20	42-4-15.12	12 Great Valley Parkway	Gravity Line	MB: 581/59	Yes
LR 21	42-4-15.16	18 Great Valley Parkway	Gravity Line	DB: 6773/273 MB: 581/59	Yes

LAPP ROAD DRAINAGE AREA (LR)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
LR 22	42-4-15.17A	311 Technology Drive	Gravity Line	DB: 6773/273 DB: 581/59	Yes
LR 23	42-4-15.17	325 Technology Drive	Gravity Line	DB: 6773/273	Yes
LR 24	42-4-15.18A	375 Technology Drive	Gravity Line	DB: 6773/273	Yes
LR 25	42-4-15.20	300 Technology Drive	Gravity Line	DB: 6773/273	Yes
LR 26	42-4-17	333 Technology Drive	Gravity Line	DB: 6773/273	Yes
LR 27	42-4-16	358 Technology Drive	Gravity Line	DB: 6765/1789	Yes
LR 28	42-4-15.18	425 Technology Drive	Gravity Line	DB: 6773/273	Yes
LR 29	42-4-15.27	271 Great Valley Parkway	Gravity Line	DB: 6773/273	Yes
LR 30	42-4-16.1	278 Great Valley Parkway	Gravity Line	DB: 6773/273	Yes

LAPP ROAD DRAINAGE AREA (LR)			
Street	Structure	Instrument/ Docket	Easement or ROW
Technology Drive	Gravity Line	DB: 6773/251	Yes
Lapp Road	Gravity Line	DB: 6773/251 DB: A36/1025 MB: 173/277	Yes
Valley Stream Parkway	Force Main	DB: 6773/219 DB: 6773/235	Yes
Old Morehall Road	Gravity Line & Force Main		Yes
Morehall Road	Force Main		Yes

MALVERN HUNT DRAINAGE AREA (MAL)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
MAL 1	42-3-370	WS South Malvern Hunt Way	Gravity, FM & Pump Station	DB: 7234/1961 Plan No. 16381	Yes
MAL 2	42-3-350	13 Hayworth Circle	Gravity Line	Plan No. 15562	Yes
MAL 3	42-3-351	14 Hayworth Circle	Gravity Line	Plan No. 15562	Yes
MAL 4	42-3-497	11 Dillon Court	Gravity Line	Plan No. 16381	Yes
MAL 5	42-3-498	13 Dillon Court	Gravity Line	Plan No. 16381	Yes
MAL 6	42-3-336	7 Regency Court	Gravity Line	DB: 7234/1961	Yes
MAL 7	42-3-337	9 Regency Court	Gravity Line	DB: 7234/1961	Yes
MAL 8	42-3-375	Malvern Hunt Open Space	Gravity Line	DB: 7234/1961	Yes
MAL 9	42-3-376	Malvern Hunt Open Space	Gravity Line	DB: 7234/1961	Yes
MAL 10	42-3-378	Malvern Hunt Open Space	Gravity Line	DB: 7234/1961	Yes
MAL 11	42-3-64.22	9 Fairwind Lane	Gravity Line	DB: 7234/1961	Yes
MAL 12	42-3-64.23	7 Fairwind Lane	Gravity Line	DB: 7234/1961	Yes
MAL 13	42-3-64.89	13 Langston Circle	Gravity Line	DB: 7234/1961	Yes
MAL 14	42-3-64.90	14 Langston Circle	Gravity Line	DB: 7234/1961	Yes
MAL 15	42-3-127	SS Swedesford Road	Gravity Line & Lagoon	DB: 7234/1972	Yes

MALVERN HUNT DRAINAGE AREA (MAL)			
Street	Structure	Instrument/ Docket	Easement or ROW
All Internal Roads	Gravity Line & Force Main	DB: 6986/1454	Yes
Swedesford Road	Force Main	Plan No. 15562	Yes

IMMACULATA UNIVERSITY DRAINAGE AREA (IM)					
Folio	UPI	Address	Structure	Instrument/ Docket	Easement or ROW
IM 1	RESERVED				

Schedule 4.10

Equipment and Machinery

Equipment
50KW MMD Power Portable Generator
Deer Run Pump Station Generator

Vehicles

Vehicle Type	VIN
2011 GMC Pickup Truck	
2011 GMC Pickup Truck	
2018 Carmate 20' Custom Cargo Trailer	

Schedule 4.11

Environmental Compliance

Sanitary System Overflow (SSO) Reporting for Operating Years 2016 through 2020:

- Pursuant to the Chapter 94 Municipal Wasteload Management Annual Report for Operating Year 2016, there was no reported SSO within the East Whiteland Township wastewater collection and conveyance system.
- Pursuant to the Chapter 94 Municipal Wasteload Management Annual Report for Operating Year 2017, there was no reported SSO within the East Whiteland Township wastewater collection and conveyance system.
- Pursuant to the Chapter 94 Municipal Wasteload Management Annual Report for Operating Year 2018, there were three (3) SSOs:
    - On June 11, 2018 and August 13, 2018 SSOs occurred at manhole 6-9, located at 249 Lancaster Avenue. These 2 SSOs were caused by rain events exceeding 3" per hour. On November 30, 2018, the Township diverted the flow from the Frame Avenue Pump Station to the Planebrook Pump Station, which reduced the flow by 80,000 GPD on Lancaster Avenue at the location of the overflows. Also, the Church Road Sewer Extension, referenced on Schedule 4.12, which was completed in March 2020, will redirect the flow associated with the Church Road Pump Station from the Lancaster Avenue area where these SSOs occurred.
    - On August 23, 2018 an SSO occurred at manholes 18A-1 to 18 A-2, located on Warren Avenue, which was caused by a clogged pipe. The pipe was cleared and flow resumed.
- Pursuant to the Chapter 94 Municipal Wasteload Management Annual Report for Operating Year 2019, there was no reported sanitary system overflow within the East Whiteland Township wastewater collection and conveyance system.
- Pursuant to the Chapter 94 Municipal Wasteload Management Annual Report for Operating Year 2020, there was no reported SSO within the East Whiteland Township wastewater collection and conveyance system.

Corrective Action Plan (CAP) and Connection Management Plan (CMP):

- From 2013 to 2014 the Township was under a CAP. Phases 1 and 2 of the CAP required improvements to the Mill Lane and Sidley Collection System. Phase 3 of the CAP required improvements to the Lee Boulevard Pump Station. Upgrade improvements were also made to the sanitary sewer within Conestoga Road. Approximately 3,780 L.F. of new 18", 20" and 24" pipe were installed to replace existing deteriorating sewer. The CAP was lifted by

the DEP in 2015 after the Township completed the gravity sewer main replacement from the Mill Lane Pump Station to Lee Boulevard.

- The conditions of the CMP currently on file with the PADEP are still in effect for the contributory drainage areas from Charlestown that flow through the Mill Lane and Sidley Road sewer systems.

Schedule 4.12

Authorizations and Permits

537 Plan:

- East Whiteland Township Act 537 Sewage Facilities Plan, dated May 2, 1995
- East Whiteland Township Act 537 Sewage Facilities Plan Special Study for the Mill Lane Pump Station Replacement Project (Route 401 Area (Area 1), Bacton Hill and Swedesford Road Areas (Area 2), Planebrook Area (Area 3), Church Road Extension – to Eliminate Church Road Pump Station (Area 4), and Immaculata University Area (Area 5)), as prepared by Advanced GeoServices and revised September 2011.
- East Whiteland Township/Charlestown Township (Southside) Act 537 Sewage Facilities Plan Special Study for the North-Central portion of East Whiteland Township and the South-Central portion of Charlestown Township (to accommodate future flow needs for Charlestown Township and East Whiteland Township), as prepared by Arro Consulting, Inc. dated February 2013.
- East Whiteland Township/Great Valley Corporate Center Act 537 Sewage Facilities Plan Special Study for upgrades of the Willburdale Pump Station and Flat Road Pump Station (for wastewater needs of the Great Valley Corporate Campus), as prepared by Arro Consulting, Inc. dated April 2015 and revised September 2015.
- East Whiteland Township Act 537 Sewage Facilities Plan Special Study for Frame Avenue/Planebrook Road Sewer Extension, as prepared by Arro Consulting, Inc. dated August 2016, with a last revision date of October 30, 2018.
- East Whiteland Township Sewage Facilities Planning Module (Component 3m) Planebrook Road Area Sewer Extension, as prepared by Arro Consulting, Inc. dated March 2020. This module is for the extension of public sanitary sewer service from the existing manhole located on Planebrook Road to properties currently served by on-lot disposal systems along Planebrook Road, Elk Drive, Fairview Drive, Prospect Avenue, Golf Circle, Bracken Avenue, and Davis Avenue. This module was approved by the DEP pursuant to that certain approval letter dated February 26, 2021.

WQM Permits

Pump Station	**WQM Permit Number**
Deer Run	1571413
Mill Lane	1575412
Wilburdale	1507413
Lee Boulevard	1587430
Meadowview	1580410
Flat Road	1521407
Lapp Road	1583405
Westgate	1587436

Hillbrook	1500428
King Road	1502418
Malvern Hunt	1599418
Planebrook	1517401

Permit No. 1599418 for the Malvern Hunt sewage treatment plant.[2]

[2] Will not be transferred if the Malvern Hunt WWTP is decommissioned prior to closing, as anticipated.

Schedule 4.13

Assigned Contracts

Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Sewage Treatment Agreement	East Goshen Township East Goshen Municipal Authority East Whiteland Township East Whiteland Municipal Authority	November 17, 1987	Transmission of sewage from 23 lots located in East Whiteland (the "EW Lots") Township within the Lockwood Chase Development from East Whiteland through East Goshen Township's sewage collection system to the Lockwood Chase Plant (leased and operated by East Goshen Township) for treatment.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Sewage Treatment Agreement	East Goshen Township East Whiteland Township	October 17, 2000	Transmission of sewage from 4 lots located in East Whiteland

	East Whiteland Municipal Authority		Township within the Mill Valley subdivision from East Whiteland through East Goshen's sewage collection system, to the West Goshen Treatment Plant for treatment. East Goshen reserves its capacity in the West Goshen Treatment Plant for East Whiteland.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Agreement	Malvern Borough East Whiteland Township East Whiteland Municipal Authority	July 10, 1995	Transmission of sewage from 19 lots located in East Whiteland Township within the Erin Glenn subdivision from East Whiteland through the Erin Glen Meter into Malvern Borough's collection system, then

			back to East Whiteland through the Warren Avenue Meter (which will then go through the East Whiteland Trunkline to Valley Forge Sewage Treatment Plant).
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Agreement	Willistown Township East Whiteland Township East Whiteland Municipal Authority	September 14, 1993	Transmission of sewage from 114 apartments in East Whiteland Township within the Woodview Apartments from East Whiteland to the collection system in Willistown (which will then go through the Valley Creek Trunkline to the Valley Forge Sewage Treatment Plant).

Name of Contract	Parties to Contract	Date of Contract	Subject
Sewage Capacity/Service Agreement	East Whiteland Township East Whiteland Municipal Authority Tredyffrin Township Tredyffrin Township Municipal Authority Trammell Crow Northeast Metro Development, Inc.	November 1, 2000	Transmission of sewage from the portion of the Great Valley Corporate Campus (developed by Trammel Crow) located in East Whiteland Township (the "EW Portion") that is required to be served by the Valley Forge Sewage Treatment Plant ("VFSTP") under East Whiteland's 537 Plan. Tredyffrin sold its reserve capacity in the VFSTP to Trammel Crow for use by the EW Portion. Tredyffrin bills East Whiteland for its flow into Tredyffrin's system. Sewage is transmitted

			from the EW Portion through the Valley Creek Trunkline (in Tredyffrin) to the VFSTP for treatment.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Addendum to Sewage Capacity/Service Agreement dated November 1, 2000	East Whiteland Township Tredyffrin Township RLD Water JV, LLC The Haven at Atwater Village, LLC	November 19, 2015	Modifies the Agreement dated November 1, 2000 to address additional flow from the Havens Apartment Complex, located in East Whiteland (the "Atwater Capacity"). The addendum adds RLD Atwater and The Haven at Atwater Village as parties. Tredyffrin will bill East Whiteland a sewer rental charge for the first 46,393 GPD of flows from the Atwater Capacity. For

			the average daily flows over 46,393 GPD, Tredyffrin will be entitled to collect a conveyance fee (but not a treatment fee) – as of March 2020, the conveyance fee has not yet been established or charged.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
East Whiteland Trunk Line Agreement	East Whiteland Township East Whiteland Municipal Authority Malvern Municipal Authority Borough of Malvern Valley Forge Sewer Authority	February 1, 1971	Transmission of sewage from the municipalities through the East Whiteland Trunkline (the "Trunkline") to the Valley Forge Sewage Treatment Plant ("VFSTP"), including charges for maintenance and repairs to the Trunkline.

Name of Contract	Parties to Contract	Date of Contract	Subject
Amendment to East Whiteland Trunk Line Agreement	East Whiteland Township East Whiteland Municipal Authority Malvern Municipal Authority Borough of Malvern Valley Forge Sewer Authority ("VFSA")	December 12, 1979	Addendum to the Agreement dated February 1, 1971 to address the reservation by EW for the VFSA of reserved capacity in the Trunkline and the Mill Lane Pump Station and the transmission of sewage from Charlestown Township through the Trunkline to the VFSTP. The addendum also adds VFSA as a municipality under the agreement, as it owns and operates the Charlestown Sewer System.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Amendment to East Whiteland Trunk Line Agreement	East Whiteland Township	April 18, 2014	Addendum to the Agreement dated February 1, 1971 establishing an

	East Whiteland Municipal Authority Valley Forge Sewer Authority		increased reserve capacity for the VFSA within the East Whiteland sewer system and establishing the related cost sharing between East Whiteland and VFSA.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Valley Forge Sewer Treatment Plant Agreement	Schuylkill Township East Pikeland Township Charlestown Township East Whiteland Township East Whiteland Municipal Authority Tredyffrin Township Tredyffrin Municipal Authority Willistown Township	November 1, 1970	Transmission and treatment of sewage from the municipalities to the Valley Forge Sewage Treatment Plant ("VFSTP"), including charges for maintenance and repairs to the VFSTP.

	Easttown Township Easttown Municipal Authority Malvern Borough Malvern Municipal Authority Valley Forge Sewer Authority ("VFSA")		
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Composite Amendment No. 1	Schuylkill Township East Pikeland Township Charlestown Township East Whiteland Township Tredyffrin Township Willistown Township Easttown Township Malvern Borough East Whiteland Municipal Authority	December 1, 1974	This amendment amends portions of (and specifically Section 2.03 and certain Exhibits) of the Valley Creek Trunk line Agreement, the East Whiteland Trunk line Agreement and the Valley Forge Sewer Treatment Plant Agreement to address the construction

	Tredyffrin Municipal Authority Easttown Municipal Authority Malvern Municipal Authority Valley Forge Sewer Authority ("VFSA")		by and reimbursement of Tredyffrin Authority by the other municipalities for its construction of the portion of the Valley Creek Trunk Sewer located in Valley Forge State Park. Also addresses the award of and credit for certain grants from the EPA to each of the authorities for the respective collection systems.

Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Agreement	East Whiteland Municipal Authority Valley Forge Sewer Authority	December 27, 1978	East Whiteland Municipal Authority and VFSA agreed to share costs for the Sidley Road Trunk line repairs. Schedule A (detailing the repairs and referenced in the agreement) is not included.

Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Amendment to Valley Forge Sewage Treatment Agreement	Schuylkill Township East Pikeland Township Charlestown Township East Whiteland Township East Whiteland Municipal Authority Tredyffrin Township Tredyffrin Municipal Authority Willistown Township Easttown Township Easttown Municipal Authority Malvern Borough Malvern Municipal Authority Valley Forge Sewer Authority ("VFSA")	January 1, 1983	This amendment changed the interest rates for late payments.

Name of Contract	Parties to Contract	Date of Contract	Subject
Supplement to Valley Forge Sewage Treatment Agreement for the Purpose of Complying with the United States Environmental Protection Agency Regulations	Schuylkill Township East Pikeland Township Charlestown Township East Whiteland Township East Whiteland Municipal Authority Tredyffrin Township Tredyffrin Municipal Authority Willistown Township Easttown Township Easttown Municipal Authority Malvern Borough Malvern Municipal Authority Valley Forge Sewer Authority ("VFSA")	December 2, 1985	This supplement includes requirements that the municipalities, in order to comply with EPA regulations, enact ordinances to include monitoring, reporting and other requirements for industrial users and it gives VFSA authority to inspect, charge, fine, etc. industrial users and act on behalf of each municipality if necessary.

Name of Contract	Parties to Contract	Date of Contract	Subject
Addendum to Valley Forge Sewage Treatment Agreement for the Purpose of Permitting and administering the Sale of Reserved Capacity among the Parties	Schuylkill Township East Pikeland Township Charlestown Township East Whiteland Township East Whiteland Municipal Authority Tredyffrin Township Tredyffrin Municipal Authority Willistown Township Easttown Township Easttown Municipal Authority Malvern Borough Malvern Municipal Authority Valley Forge Sewer Authority ("VFSA")	May 26, 1994	This addendum addresses disparities between the reserved capacities of the various municipalities by allowing for the permanent sale of unused reserved capacity between the municipalities, with the consent of VFSA and pursuant to certain offer and sale procedures.

Name of Contract	Parties to Contract	Date of Contract	Subject
Wastewater Conveyance Agreement	Aqua Resources, Inc. Schuylkill Township East Pikeland Township Charlestown Township East Whiteland Township Tredyffrin Township Willistown Township Easton Township Easton Municipal Authority Malvern Borough Valley Forge Sewer Authority ("VFSA")	November 20, 2018	The transmission of sewage from the municipalities through the Valley Creek Trunkline (owned by Aqua) to be treated at Valley Forge Sewer Treatment Plant ("VFSTP"). The VFSA agrees to accept, treat and dispose of such sewage pursuant to this Agreement and the Valley Forge Sewage Treatment Plant Agreement.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Sewer Treatment Agreement	East Whiteland Township East Goshen Township Malvern Institute for Psychiatric and Alcoholic Studies	March 2, 2004	Transmission of flow from the Malvern Institute property located in East Goshen, through East Whiteland Township's

			system to the Valley Forge Sewage Treatment Plant. The agreement also addresses the permanent sewer easement that Malvern Institute conveyed and granted across its property to allow East Whiteland to construct a sanitary sewer line and the King Road Pump Station.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
National Railroad Passenger Corporation License Agreement	National Railroad Passenger Corporation (NRPC) East Whiteland Township Municipal Authority	November 18, 1993	NRPC granted an exclusive license to East Whiteland to construct, maintain, repair, alter, renew, relocate and remove an iron sewer pipe, encased in a steel casing pipe, for a distance of approximately

			250 feet under NRPC's right-of-way. The pipe conveys sanitary sewage from the Southridge Subdivision to East Whiteland's collection system.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
National Railroad Passenger Corporation Amendment to License Agreement	National Railroad Passenger Corporation East Whiteland Township Municipal Authority	May 6, 2002	Amends November 18, 1993 License Agreement. Changes description and location of pipe to be installed and adds additional lump sum rent payment of $16,315 for May 6, 2002 (date of Amendment) through October 31, 2018 and $250 fee for expenses and preparation of Amendment. Previous lump sum payment of $13,120 was made

			upon execution of original agreement (as well as $500 for expenses and license preparation).
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
National Railroad Passenger Corporation License Agreement	National Railroad Passenger Corporation East Whiteland Township	September 10, 1999	NRPC granted an exclusive license to East Whiteland to construct, maintain, repair, alter, renew, relocate and remove an iron sewer pipe, encased in a steel casing pipe, for a distance of approximately 267 feet near Sugartown Road. The pipe conveys sanitary sewage from the Sugartown Ridge Subdivision to East Whiteland's collection system.

Name of Contract	Parties to Contract	Date of Contract	Subject
Agreement with Public Utility or Municipality for Crossing under Railroad Private Property	Reading Company East Whiteland Municipal Authority	March 21, 1972 (no set term)	Reading Company (RC) granted a license across and under its tracks, right of way and property to East Whiteland Municipal Authority (EW) to lay, maintain, and use two steel pipes in steel casing pipes 1,600 feet west and 511 feet west of Valley Store Station in East Whiteland Township (the "Facilities"). EW is responsible for all costs of construction, relocation and removal and for all taxes assessed against the Facilities. There is an annual $40 charge for the license, to be adjusted by RC every fifth year commencing

			on January 1, 1977. In the event that RC deems it necessary that the Facilities be altered or changed, EW must do so within 30 days of notice of such from RC. Upon termination of the agreement (by RC if there is a breach by EW), EW is required to remove the Facilities and restore the premises to good condition.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
License Agreement for Wire, Pipe and Cable Transverse Crossings and Longitudinal Occupations	Penn Central Transportation Company East Whiteland Municipal Authority	July 11, 1975 (no set term)	Penn Transportation Company (PTC) granted a license across and under its tracks, right of way and property to East Whiteland Municipal Authority (EW) to construct, maintain, alter

			renew, relocate and ultimately remove a sewage main under Railroad Bridge No. 2.73 and 2 manholes at valuation station 2284+49, located 1399 feet west of mile post 3 (west of Knickerbocker station) (the "Facilities"). EW is responsible for all costs of construction, relocation and removal and for any taxes assessed against the Facilities. In addition to reimbursement to PTC for the cost of preparing the agreement, there was a $1,100 licensing fee paid to PTC. PTC must consent to any alterations to the planned Facilities required by EW.

			In the event that PTC deems it necessary that the location of the Facilities be altered, EW must do so at EW's sole cost and expense. Upon termination of the agreement, EW is required to remove the Facilities and restore the premises to good condition, at EW's sole cost and expense.
Name of Contract	**Parties to Contract**	**Date of Contract**	**Subject**
Settlement Agreement	Tredyffrin Township Municipal Authority Tredyffrin Township East Whiteland Township East Whiteland Municipal Authority Easttown Township Easttown Township	2017	Settlement Agreement regarding the Valley Creek Trunk Sewer

	Municipal Authority Willistown Township Willistown Township Municipal Authority Malvern Borough Malvern Municipal Authority Charlestown Township East Pikeland Township Schuylkill Township Valley Forge Sewer Authority		

Schedule 4.14

Seller Litigation

None.

Schedule 4.16(a)

Exception to Title to Acquired Assets

None.

Schedule 4.16(b)

Sufficiency

None.

Schedule 4.17

Pending Development Plans

1. Phase 1 – Conestoga Road (Rt. 401) (TO BE COMPLETED BY SELLER)

Scope of work is to connect 22 properties (one has been connected) to the existing 8" sanitary main within the right-of-way of Conestoga Road.

- This project requires a Highway Occupancy Permit (HOP) from PennDOT, which has been obtained.
- As of July, 2021, this project is essentially complete. The laterals have all been installed and the contractor is in the process of completing restoration work.
- It is anticipated that the project will be complete (including all paperwork) by the end of October, 2021.

Also see Required Sewer Projects to be completed by Buyer on Schedule 7.12.

Schedule 4.18

Land Development/Financial Security Agreements

None.

Schedule 5.04

Consents and Approvals

1. Pennsylvania Public Utility Commission (the "PaPUC") Approval of Transaction

2. PaPUC Approval of Consent to Assignment and Amendment to Sewage Treatment Agreements and Related Amendments

3. Pennsylvania Department of Environmental Protection (the "PaDEP") Approval of Sanitary Sewer Collection and Conveyance System Act 537 Plan recognizing transfer of wastewater collection system from Seller to Buyer

4. PaDEP transfer of all NPDES[3] and WQM Permits

[3] NPDES permits will not be transferred if the Malvern Hunt WWTP is decommissioned prior to closing, as anticipated.

Schedule 5.11

Buyer Litigation

None.

Schedule 6.05(e)

Missing Easements

To be provided at Closing.

Schedule 7.03(a)

Rates

Sewer District	**Rate**
Sewer District A	$400/EDU/Year or $33.33/EDU/Month
Sewer District B	$400/EDU/Year or $33.33/EDU/Month
Sewer District C	$542/EDU/Year or $45.17/EDU/Month
Sewer District D	$600/EDU/Year or $50.00/EDU/Month
Sewer District E	$480/EDU/Year or $40.00/EDU/Month

Commercial and Industrial users whose quarterly sewer discharge or water consumption is in excess of 100,000 gallons shall pay a quarterly charge of $6.20 per 1,000 gallons.

Schedule 7.12

Required Sewer Projects

A. North Bacton Hill Road and Swedesford Road:

   a. Generally consisting of those parcels abutting the following roads:

      i. North Bacton Hill Road from Swedesford Road to Spring Valley Road.

      ii. Spring Valley Road from North Bacton Hill Road to the Conestoga Road.

      iii. South Bacton Hill Road from Swedesford Road to the cul-de-sac.

      iv. Swedesford Road from Bacton Hill Road to a point approximately 620-feet west of the intersection.

B. Planebrook Road:

   a. Generally consisting of those parcels abutting the following roads and/or unopened streets:

      i. Planebroook Road form Bracken Avenue to the Route 202 overpass.

      ii. Elk Drive from Planebrook Road to the cul-de-sac.

      iii. Fairway Drive from Planebrook Road to the cul-de-sac.

      iv. Golf View Lane from Planebrook Road to the cul-de-sac.

      v. Prospect Avenue from Planebrook Road to UPI #42-30-8 (2 Prospect Avenue), including a spur to service UPI #42-3-174.

      vi. Bracken Avenue form Planebrook Road to Coffman Street including the following spurs:

         1. East of Coffman Street to service UPI #42-3-216.1, UPI #42-3-216.2 and UPI #42-3-216.3

         2. North of Bracken Avenue within "Davis Avenue" to service UPI #42-3R-28

The installations in A and B above shall be in general conformance with the following design plans completed by ARRO Consulting Inc.:

- Plans Entitled "*North Bacton Hill & Swedesford Road Areas Sanitary Sewer Phase 2"*, 24-sheets, dated January 23, 2020

- Plans Entitled *"Planebrook Road Areas Sanitary Sewers Phase 4"*, 19 sheets, dated January 23, 2020.

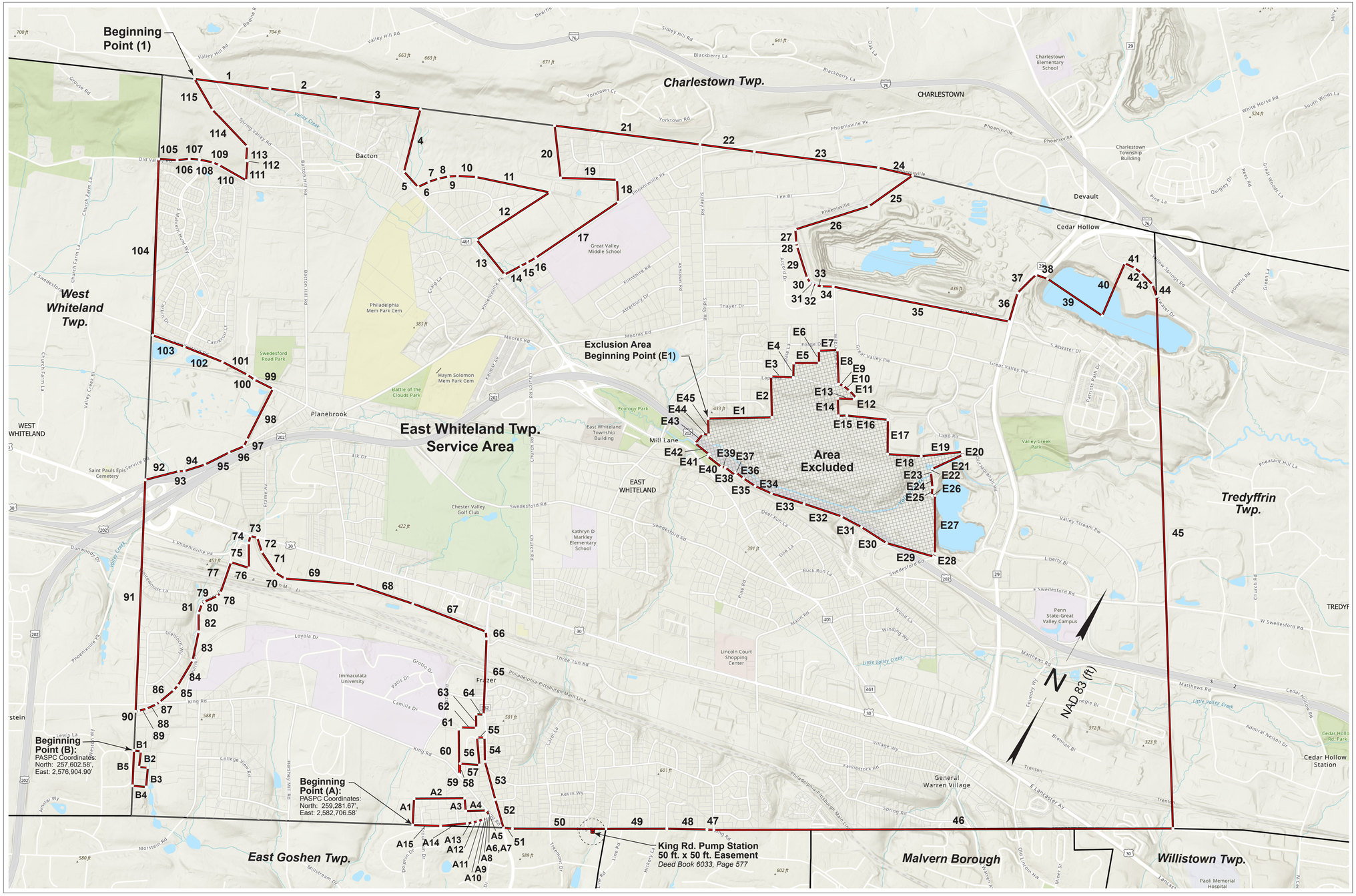
Gravity and Low Pressure System Service Connections for A and B above:

- The Required Sewer Projects described in sections A and B above will provide service connections to the curb, ROW line, or property line as shown on the plans.
- The respective property owners will be responsible, at their own expense, for connecting to the service connection provided as noted above. Buyer will have no responsibility for infrastructure located within the boundaries of the property owners' properties.
- Notwithstanding references to "E-One Grinder Pumps" on the plans, Buyer will have no responsibility for grinder pumps which will remain the responsibility of the property owners served by such grinder pumps.

Permitting - The Township is in the process of obtaining all required permits for the above projects in A and B above.

Easements - Various easements will be required for portions of the proposed sewer within Prospect Avenue, Bracken Avenue and Davis Avenue in the Planebrook Road project. The Township will retain responsibility for securing all necessary easements per Section 7.12(a) of the Asset Purchase Agreement.

UPDATED APPLICATION EXHIBIT A



East Whiteland Twp. Service Area
Metes and Bounds

(segment #, bearing and distance in feet)

1	N 66°25'12" E	1590.12	59	N 70°17'40" W	27.41
2	N 66°24'58" E	1446.21	60	N 31°29'44" W	946.03
3	N 66°58'46" E	1735.75	61	N 17°01'20" E	54.91
4	S 16°22'05" E	1355.70	62	N 61°05'10" E	324.80
5	S 73°14'07" E	434.92	63	N 31°35'12" W	286.10
6	N 33°33'47" E	250.35	64	N 62°09'21" E	158.12
7	N 40°14'47" E	210.46	65	N 28°49'38" W	1589.22
8	N 47°36'19" E	214.72	66	N 36°18'19" W	149.99
9	N 54°21'26" E	190.18	67	S 80°06'17" W	1635.75
10	N 62°39'26" E	393.91	68	S 77°35'12" W	1273.08
11	N 70°46'29" E	1573.29	69	S 63°42'10" W	1484.20
12	S 26°04'16" W	1824.63	70	N 88°32'20" W	228.82
13	S 69°48'58" E	933.97	71	N 64°38'42" W	521.23
14	N 31°18'18" E	335.41	72	N 48°39'13" W	307.26
15	N 31°38'55" E	208.99	73	S 74°51'11" W	150.18
16	N 29°10'02" E	199.61	74	S 18°00'29" E	150.45
17	N 24°51'45" E	2078.82	75	S 31°34'41" E	522.89
18	N 33°55'04" W	466.91	76	S 76°51'01" W	394.69
19	S 60°54'10" W	1179.59	77	S 11°57'40" E	679.26
20	N 37°26'40" W	1101.90	78	S 15°02'30" W	95.88
21	N 66°23'58" E	3067.71	79	S 34°36'24" W	296.24
22	N 66°34'10" E	1147.52	80	S 12°16'43" W	72.03
23	N 66°18'47" E	2621.63	81	S 10°47'17" E	197.32
24	N 71°55'56" E	733.52	82	S 31°04'06" E	391.30
25	S 23°42'25" W	1115.16	83	S 19°08'36" E	610.90
26	S 41°34'01" W	1622.38	84	S 00°07'50" E	613.87
27	S 35°21'44" E	281.99	85	S 09°43'05" W	129.21
28	S 42°37'17" E	81.75	86	S 19°07'56" W	383.96
29	S 48°42'07" E	686.85	87	S 23°59'51" W	88.92
30	S 62°47'27" E	121.16	88	S 34°37'27" W	220.71
31	S 85°44'29" E	64.53	89	S 43°55'24" W	170.12
32	N 75°01'15" E	79.83	90	S 49°42'05" W	64.78
33	N 66°00'23" E	129.32	91	N 28°37'18" W	4849.46
34	N 61°14'45" E	224.69	92	N 44°23'05" E	715.79
35	N 70°13'03" E	3760.20	93	N 58°20'35" E	121.03
36	N 14°24'27" W	627.57	94	N 41°33'32" E	462.35
37	N 13°49'26" E	543.86	95	N 32°17'47" E	563.66
38	N 79°29'47" E	258.28	96	N 36°36'05" E	339.96
39	S 86°53'21" E	1379.88	97	N 08°52'21" W	154.27
40	N 07°53'44" W	1201.95	98	N 03°56'52" W	1193.06
41	N 85°07'50" E	232.90	99	S 85°33'10" W	432.47
42	S 85°08'31" E	163.32	100	N 86°28'44" W	179.45
43	S 73°58'05" E	350.51	101	S 86°29'12" W	586.17
44	S 49°33'05" E	261.61	102	S 80°37'38" W	864.30
45	S 32°46'50" E	11151.04	103	S 78°48'01" W	700.84
46	S 58°48'44" W	9614.56	104	N 29°03'51" W	3697.22
47	S 63°24'04" W	146.05	105	N 62°24'44" E	385.89
48	S 60°06'00" W	843.28	106	N 53°29'32" E	253.87
49	S 58°52'09" W	1272.23	107	N 62°41'08" E	217.51
50	S 59°05'37" W	1958.33	108	N 70°51'42" E	294.49
51	S 63°40'33" W	187.22	109	N 82°25'09" E	137.06
52	N 47°11'02" W	619.93	110	N 88°39'27" E	646.88
53	N 46°08'30" W	829.23	111	N 26°42'07" W	410.33
54	N 31°55'45" W	501.92	112	S 77°55'59" W	30.28
55	S 60°05'32" W	156.70	113	N 26°42'09" W	296.67
56	S 35°51'20" E	580.53	114	N 74°27'56" W	1056.31
57	S 63°20'37" W	404.03	115	N 61°06'14" W	747.26
58	S 30°14'07" E	245.70			

East Whiteland Twp. Exclusion Area

(segment #, bearing and distance in feet)

E1	N 58°00'42" E	1334.06	E24	S 36°40'52" E	318.98
E2	N 32°13'28" W	858.65	E25	S 26°15'35" E	165.06
E3	N 61°47'40" E	467.45	E26	N 60°28'24" E	66.00
E4	N 29°50'47" W	301.35	E27	S 31°13'00" E	1216.10
E5	N 58°41'04" E	535.53	E28	S 03°10'57" E	70.31
E6	N 33°02'07" W	254.97	E29	S 74°58'52" W	1025.08
E7	N 56°22'19" E	390.27	E30	N 88°23'06" W	619.92
E8	S 33°02'20" E	719.13	E31	S 86°52'31" W	477.09
E9	N 76°17'26" E	110.09	E32	S 77°35'53" W	827.92
E10	S 82°20'44" E	170.80	E33	S 76°33'20" W	715.21
E11	S 73°41'24" E	197.91	E34	S 83°06'21" W	377.27
E12	S 23°47'16" W	50.82	E35	N 87°18'27" W	290.48
E13	S 62°07'12" W	349.07	E36	N 82°10'30" W	194.28
E14	S 33°00'05" E	365.76	E37	S 02°48'36" E	59.96
E15	N 57°03'30" E	179.82	E38	N 82°21'35" W	254.92
E16	N 65°02'20" E	864.14	E39	S 67°05'59" W	86.07
E17	S 30°36'14" E	722.17	E40	N 83°27'21" W	361.28
E18	N 62°30'29" E	706.12	E41	N 00°10'00" W	50.51
E19	N 52°55'40" E	861.33	E42	N 82°26'17" W	366.90
E20	S 36°29'01" E	64.42	E43	N 07°33'43" E	255.15
E21	S 34°02'25" W	697.30	E44	N 65°52'23" E	123.14
E22	S 27°36'37" E	65.25	E45	N 32°43'51" W	340.00
E23	S 51°18'21" W	24.75			

East Whiteland Twp. Service Area (Areas A and B)

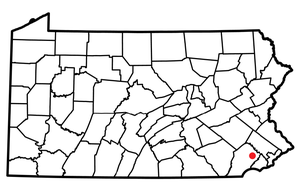
A1	N 28°01'18" W	553.07	A13	S 49°40'10" W	112.37
A2	N 58°32'55" E	1059.02	A14	S 53°24'44" W	560.49
A3	S 35°59'04" E	268.5	A15	S 60°50'02" W	585.11
A4	N 57°31'35" E	425.2			
A5	S 66°30'16" E	115.79			
A6	S 32°42'42" E	12.82			
A7	S 00°00'39" E	9.69	B1	N 64°13'57" E	284.73
A8	S 14°01'48" W	20.92	B2	N 25°46'03" W	406.53
A9	S 26°40'47" W	52.57	B3	S 64°13'57" W	185.01
A10	S 34°34'53" W	70.27	B4	N 24°21'02" W	333.65
A11	S 40°47'26" W	113.77	B5	S 65°29'05" W	144.98
A12	S 45°35'15" W	117.14	B6	S 28°36'56" E	744.17

Note

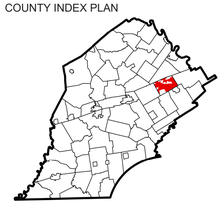
Bearings, distances, area obtained from Pennsylvania County and Municipal boundaries and parcel shapefiles, obtained from http://www.pasda.psu.edu/ and Chester County. The subject service area bearings, distances and area do not result from a physical survey on the ground and are approximate and not intended to represent a legal description of property.

AQUA

STATE INDEX PLAN



COUNTY INDEX PLAN



SERVICE AREA TERRITORY

East Whiteland Twp. Service Area
Main Area: 243,636,127 square ft.; 5,593.1 Acres; 8.739 square miles
Exclusion Area: -10,312,579 square ft.; -236.7 Acres; -0.370 square miles
Area A: 709,671 square ft.; 16.3 Acres; 0.025 square miles
Area B: 164,241 square ft.; 3.8 Acres; 0.006 square miles
Total Area: 234,197,460 square ft.; 5,376.4 Acres; 8.401 square miles

(1) Beginning Point: PASPC Coordinates: North: 270,318.42', East: 2,570,746.53'; said point being approximately 394 ft. southwest of the intersection of Conestoga Rd. and Spring Valley Rd., said point also being approximately 685.64 ft. northeast of the intersection of the northeast corner of West Whiteland Twp. and the northwest corner of East Whiteland Twp., and proceeding according to the listed bearings and distances noted in the metes & bounds table insert.

(E1) Exclusion Area Beginning Point: PASPC Coordinates: North: 269,756.82', East: 2,583,631.16'; said point being approximately 765 ft. southwest of Oak Glen Dr. and Oak Glen Dr. (T-intersection), said point also being approximately 344 ft. north/northwest of the northern right of way (R.O.W.) of Route 202 and proceeding according to the listed bearings and distances noted in the exclusion metes & bounds table insert.

Legend

Requested Territory

SCALE IN FEET
0 500 1,000 2,000

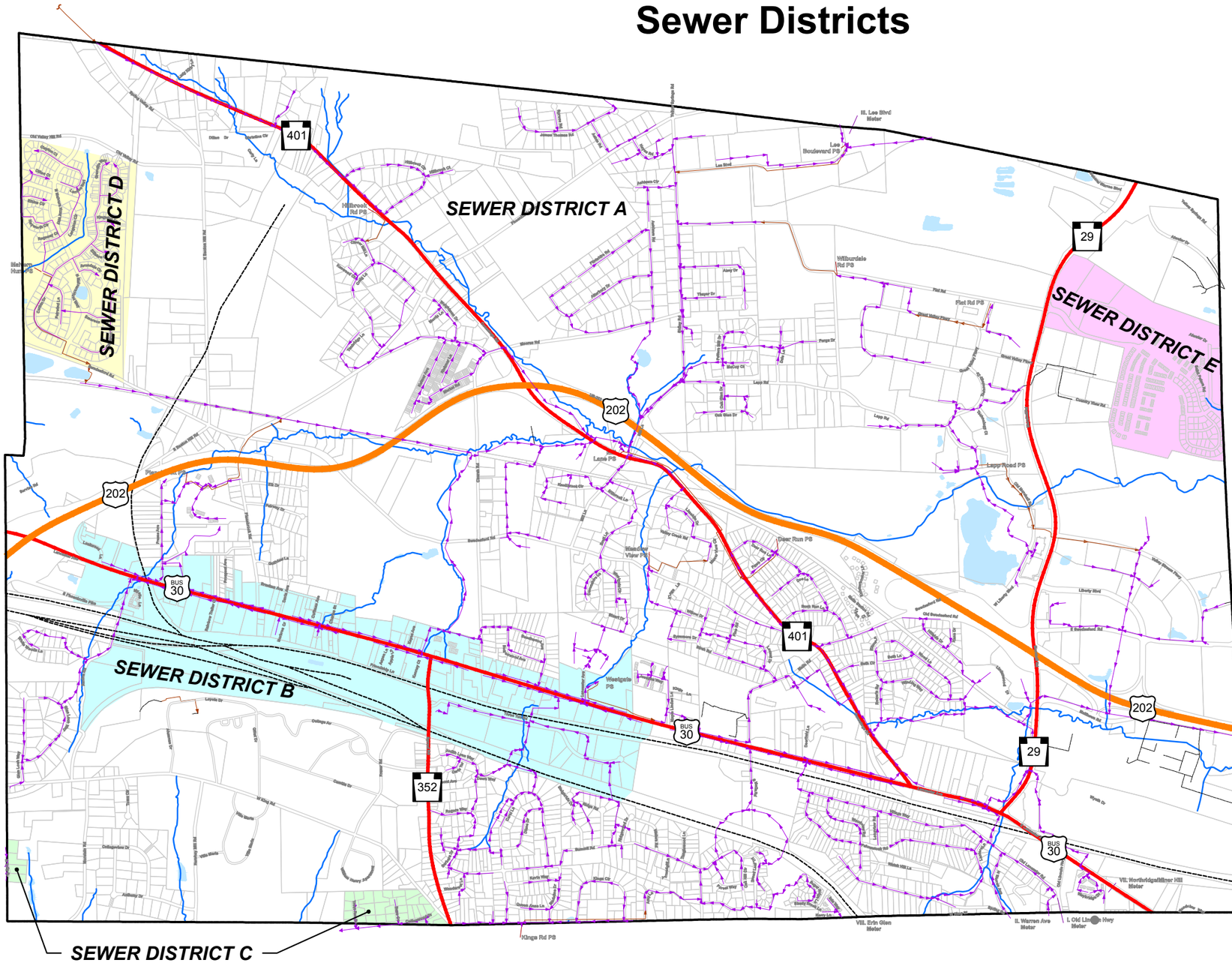
Proposed Service Territory
East Whiteland Twp., Chester County, Pennsylvania

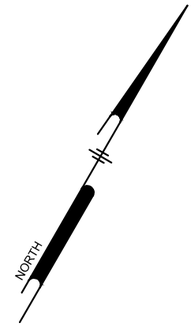
REV.	DATE	DESCRIPTION
6.		
5.		
4.		
3.		
2.		
1.		

DATE: 9/17/21 | **SCALE: 1" = 1,000 feet** | EXHIBIT: **A**

SEWER DISTRICT MAP

East Whiteland Township
Sewer Districts





Legend

- Sewer District A
- Sewer District B
- Sewer District C
- Sewer District D
- Sewer District E
- Highway
- Primary
- Railroad
- Municipal Boundaries
- Lakes & Ponds
- Streams
- FMs
- Private Gravity Sewer
- Parcel Boundaries
- Gravity Sewer

Revised 9/29/2021

0 2000' 5000'

U:\ACCOUNTS\EWTPX\EWTPX17000 - SALE OF SYSTEM\PROJ RESOURCES\SEWER DISTRICT MAP\SEWER DISTRICT MAP 2021.DWG
PLOTTED: 10/3/2014 4:08:04 PM, BY: RYAN GASPARINI PLOTSTYLE: PENNONI NCS.STB, PROJECT STATUS: ---

FLAT ROAD PUMP STATION WQM PERMIT

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

October 22, 2021

John Nagel
East Whiteland Township
209 Conestoga Road
Frazer, PA 19355-1633

Re: WQM Permit - Sewage
Flat Road Pump Station
Permit No. 1521407
Authorization ID No. 1369071
East Whiteland Township, Chester County

Dear Mr. Nagel:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action

unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

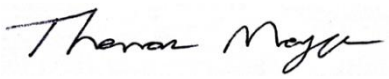
A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at http://ehb.courtapps.com or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

During construction or upon completing construction, please contact Reza H. Chowdhury, E.I.T. at 484.250.5197 or rchowdhury@pa.gov so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Thomas L. Magge
Environmental Program Manager
Clean Water Program

Enclosures

cc: Pennoni Associates, Inc.
Operations Section
Planning Section
East Whiteland Township (transmittal letter only)
Chester County Health Department (transmittal letter only)
File

3850-PM-BCW0015d 3/2016
Permit

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

WATER QUALITY MANAGEMENT PERMIT

PERMIT NO. 1521407

AMENDMENT NO. _____

APS ID. 1047497

AUTH. ID. 1369071

A. PERMITTEE (Name and Address): CLIENT ID#: **78789** **East Whiteland Township Chester County** **209 Conestoga Road** **Frazer, PA 19355-1633**	B. PROJECT/FACILITY (Name): **Flat Road Pump Station**
C. LOCATION (Municipality, County): **East Whiteland Township, Chester County**	SITE ID#: **527339**

D. This permit approves the construction/operation of sewage facilities consisting of:

Sewage Pump Station consisting duplex submersible pumps capable of pumping 247 GPM at 89.7-ft TDH, 8-ft diameter wet well with effective volume of 376-gallon, valve vault, 6-inch diameter asbestos cement force main of approximately 1,595-ft long, and necessary controls and appurtenances.

Pump Stations: **1**	Manure Storage:	Sewage Treatment Facility:
Design Capacity: **Average Annual Design Flow 30 GPM** **Peak Instantaneous Flow 125 GPM**	Volume: _____ MG	Annual Average Flow: _____ MGD
	Freeboard: _____ inches	Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day

E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. **New Permits:** All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated **08/23/2021**, its supporting documentation and addendums, which are hereby made a part of this permit.
2. Permit Conditions Relating to Sewerage are attached and made part of this permit.
3. Special Conditions _____ are attached and made part of this permit.

F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.
2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.
3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 *et seq*. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

PERMIT ISSUED:

10/22/2021

BY: Thomas Magge

Thomas L. Magge
TITLE: Clean Water Program Manager
Southeast Regional Office

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

PERMIT CONDITIONS RELATING TO SEWERAGE

For use in Water Quality Management Permits

(Check boxes that apply)

General

☒ 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.

☒ 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.

☐ 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.

☒ 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.

☒ 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.

☒ 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 5 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the fifth anniversary of the permit date.

☒ 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.

☒ 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.

☒ 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.

☒ 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.

☒ 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in the NPDES Permit and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

☒ 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

☒ 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.

☒ 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using the "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.

☒ 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.

☐ 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

Operation and Maintenance

☒ 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.

☒ 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.

☒ 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.

☒ 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.

☒ 21. The sewerage facilities shall be properly operated and maintained to perform as designed.

☐ 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.

☐ 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq*. shall operate the sewage treatment plant.

☒ 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.

☒ 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.

☒ 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.

☒ 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

LETTER FROM THE CHESTER COUNTY PLANNING COMMISSION

THE COUNTY OF CHESTER

COMMISSIONERS
Marian D. Moskowitz
Josh Maxwell
Michelle Kichline

Brian N. O'Leary, AICP
Executive Director

PLANNING COMMISSION
Government Services Center, Suite 270
601 Westtown Road
P. O. Box 2747
West Chester, PA 19380-0990
(610) 344-6285 Fax (610) 344-6515

August 26, 2021

Vincent Donohue, Esq.
Counsel for Aqua Pennsylvania
Lamb McErlane PC
24 E. Market Street
P.O. Box 565
West Chester, PA 19381

Re: Application of Aqua Pennsylvania Wastewater, Inc. to purchase wastewater system assets in East Whiteland Township

Dear Mr. Donohue:

The Chester County Planning Commission is the designated planning agency for the County of Chester. Section 619.2 of Act 247 as amended states, "Commonwealth agencies shall consider and may rely upon comprehensive plans and zoning ordinances when reviewing applications for the funding or permitting of infrastructure or facilities." In concurrence with Act 247, the Planning Commission is providing the following comments on this application as they relate to land use issues.

We acknowledge that Aqua Pennsylvania Wastewater is seeking to purchase wastewater system assets of East Whiteland Township, Chester County in the area of Spring Valley Road, North Bacton Hill Road, and Planebrook Road. The 2018 Chester County Comprehensive Plan, *Landscapes3*, designates the area of the public sewer service area in East Whiteland Township as primarily a Suburban Landscape. *Landscapes3* **Connect** goal "Advance efficient, reliable, and innovative utility infrastructure systems that responsibly serve thriving and growing communities." Therefore, in reviewing this application, the Planning Commission finds that the acquisition of this portion of East Whiteland Township wastewater assets by Aqua Pennsylvania Wastewater, LLC is generally consistent with the goals and objectives of *Landscapes3* that relate to utilities and infrastructure in the Suburban Landscape.

Thank you for the opportunity to provide comment on this application. If you have any questions regarding these comments, please contact me at 610-344-6285 or cconwell@chesco.org.

Sincerely,

Carrie J Conwell

Carrie Conwell, AICP
Senior Environmental Planner

cc: East Whiteland Township
Bill Christman, Esq.

LETTER FROM THE EAST WHITELAND TOWNSHIP PLANNING COMMISSION

July 22, 2021

Deborah Abel, Chair
East Whiteland Township Planning Commission
209 Conestoga Road
Frazer, PA 19355

Re: Aqua Pennsylvania Wastewater, Inc. application to serve East Whiteland Township, Chester County

Aqua Pennsylvania Wastewater, Inc. (Aqua) is submitting an application with the Pennsylvania Public Utility Commission (PUC) to approve the right to offer, render, furnish, or provide wastewater service to the public in East Whiteland Township, Chester County, Pennsylvania. Attached is Aqua's proposed Requested Service Territory for sewer service in East Whiteland Township.

As part of the application process, Aqua is seeking the Township's input for the purpose of determining if Aqua's Requested Service Territory complies with this Township's land use planning.

Specifically, Aqua requests that the Township reviews the following questions:

1. Are there adopted comprehensive plans for the township's / borough's involved? Yes
2. Is there an adopted county comprehensive plan? Yes
3. Is there an adopted multi-municipal or multi-county comprehensive plan? Yes
4. Is there an adopted County or municipal zoning ordinance or joint municipal zoning ordinance? Yes
5. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? Yes
6. If the answer is "yes" to any of the above questions, please sign below, or submit a letter, indicating that the Requested Service Territory is consistent with the applicable comprehensive plans and zoning ordinances. If the Requested Service Territory is not consistent with the applicable comprehensive plans and zoning ordinances, please provide an explanation.

If you have any questions, please call me at (610) 645-1064 or e-mail TFRafferty@aquaamerica.com.

Sincerely,

Thomas F Rafferty

Thomas F. Rafferty
Director, Business Development

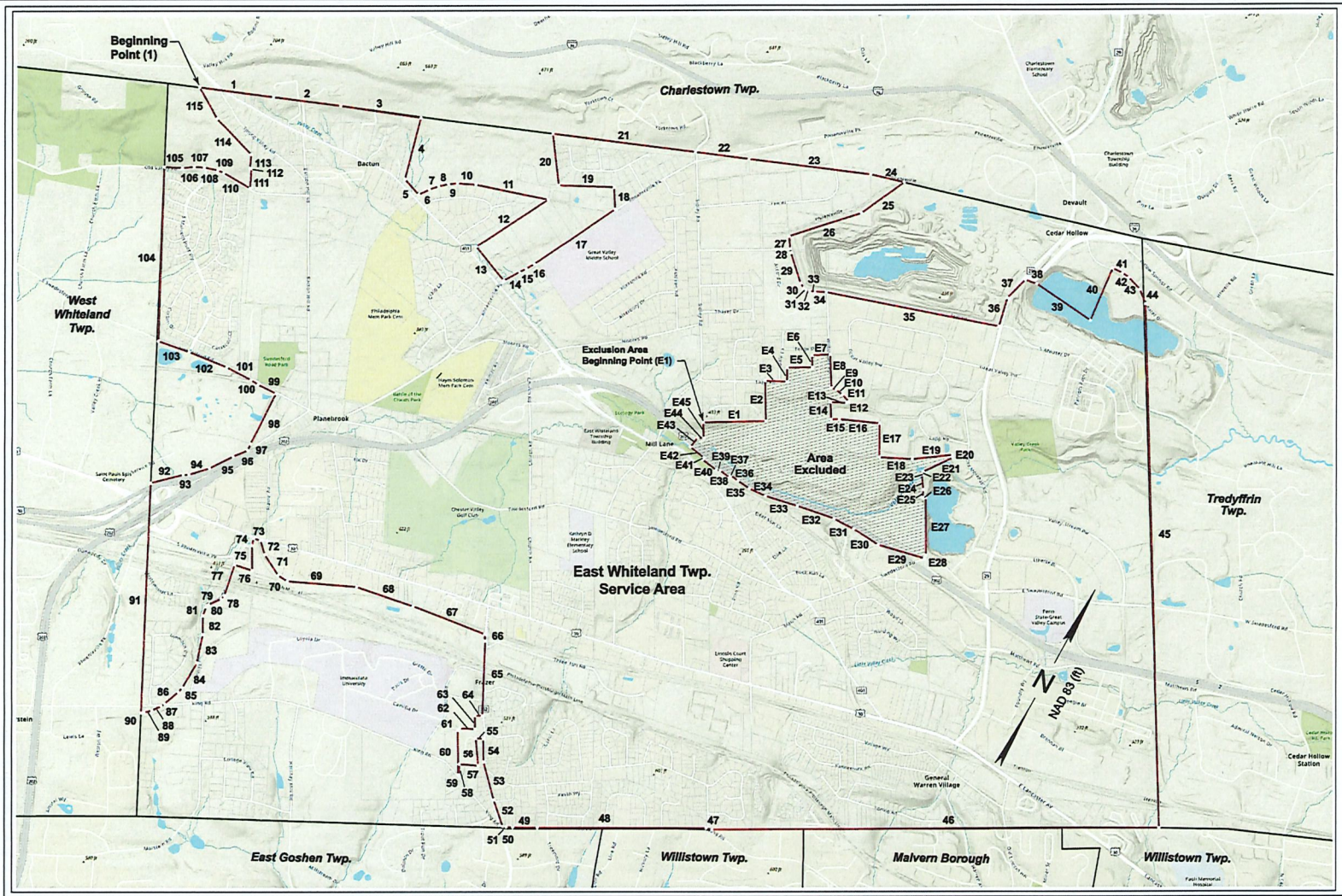
Enclosure

Aqua Pennsylvania Wastewater's application is consistent with the applicable comprehensive plans and zoning ordinances.

East Whiteland Township Signature Deborah Abel

Printed Name / Title Deborah Abel, Planning Chair Date 8/25/21

Please fax/e-mail this form to: Tom Rafferty at TFRafferty@aquaamerica.com or fax to 610 645-1061.



East Whiteland Twp. Service Area
Metes and Bounds

(segment #, bearing and distance in feet)

1	N 66°25'12" E	1590.12	59	N 70°17'40" W	27.41
2	N 66°24'58" E	1448.21	60	N 31°29'44" W	946.03
3	N 66°58'46" E	1735.75	61	N 17°01'20" E	54.91
4	S 16°22'05" E	1355.70	62	N 61°05'10" E	324.80
5	S 72°14'07" E	434.92	63	N 31°35'12" W	286.10
6	N 33°33'47" E	250.35	64	N 62°09'21" E	158.12
7	N 40°14'47" E	210.46	65	N 28°49'36" W	1589.22
8	N 47°36'19" E	214.72	66	N 36°18'19" W	149.99
9	N 54°21'26" E	190.16	67	S 80°06'17" W	1635.75
10	N 62°39'26" E	393.91	68	S 77°35'12" W	1273.08
11	N 70°46'29" E	1573.29	69	S 63°42'10" W	1484.20
12	S 26°04'16" W	1824.63	70	N 88°32'20" W	228.82
13	S 69°48'58" E	933.97	71	N 64°38'42" W	521.23
14	N 31°18'16" E	335.41	72	N 48°39'13" W	307.26
15	N 31°38'55" E	208.99	73	S 74°51'11" W	150.16
16	N 29°10'02" E	199.61	74	S 16°00'29" E	150.45
17	N 24°51'45" E	2078.82	75	S 31°34'41" E	522.89
18	N 33°55'04" W	466.91	76	S 78°51'01" W	394.69
19	S 80°54'10" W	1179.59	77	S 11°57'40" E	679.26
20	N 37°26'40" W	1101.90	78	S 15°02'30" W	95.88
21	N 66°23'58" E	3067.71	79	S 34°39'24" W	296.24
22	N 66°34'10" E	1147.52	80	S 12°16'43" W	72.03
23	N 66°18'47" E	2621.63	81	S 10°47'17" E	197.32
24	N 71°55'56" E	733.52	82	S 31°04'06" E	391.30
25	S 23°42'25" W	1115.16	83	S 19°08'36" E	610.90
26	S 41°34'01" W	1622.38	84	S 00°07'50" E	813.87
27	S 35°21'44" E	281.99	85	S 09°43'05" W	129.21
28	S 42°37'17" E	81.76	86	S 19°07'56" W	383.96
29	S 48°42'07" E	688.85	87	S 23°59'51" W	88.92
30	S 62°47'27" E	121.16	88	S 34°37'27" W	220.71
31	S 85°44'29" E	64.53	89	S 43°55'24" W	170.12
32	N 75°01'15" E	79.83	90	S 49°42'05" W	64.76
33	N 66°00'23" E	129.32	91	N 28°37'18" W	4849.46
34	N 61°14'45" E	224.69	92	N 44°23'03" E	715.79
35	N 70°13'03" E	3760.20	93	N 58°20'35" E	121.03
36	N 14°24'27" W	627.57	94	N 41°33'32" E	462.35
37	N 13°49'26" E	543.86	95	N 32°17'47" E	563.66
38	N 79°29'47" E	258.28	96	N 36°36'05" E	339.96
39	S 86°53'21" E	1379.88	97	N 08°52'31" W	154.27
40	N 07°53'44" W	1201.95	98	N 03°58'52" W	1193.06
41	N 85°07'50" E	232.90	99	S 85°33'10" W	432.47
42	S 85°08'31" E	183.32	100	N 88°28'44" W	179.45
43	S 73°58'05" E	350.51	101	S 86°29'12" W	586.17
44	S 52°22'48" E	325.82	102	S 80°37'36" W	864.30
45	S 32°36'21" E	11094.53	103	S 78°48'01" W	700.84
46	S 58°50'41" W	9534.12	104	N 29°03'51" W	3697.22
47	S 71°08'05" W	128.71	105	N 62°24'44" E	385.89
48	S 59°15'23" W	3800.15	106	N 53°29'32" E	253.87
49	S 59°45'45" W	529.68	107	N 62°41'08" E	217.51
50	S 62°28'30" W	137.03	108	N 70°51'42" E	294.49
51	S 68°41'59" W	75.52	109	N 62°23'09" E	137.06
52	N 49°54'13" W	593.50	110	N 88°39'27" E	646.88
53	N 46°08'30" W	829.23	111	N 26°42'07" W	410.33
54	N 31°55'45" W	501.92	112	S 77°55'59" W	30.28
55	S 80°05'32" W	156.70	113	N 26°42'09" W	296.67
56	S 35°51'20" E	580.53	114	N 74°27'56" W	1056.31
57	S 83°20'37" W	404.03	115	N 61°06'14" W	747.26
58	S 30°14'07" E	245.70			

East Whiteland Twp. Exclusion Area
Metes and Bounds

(segment #, bearing and distance in feet)

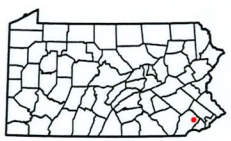
E1	N 58°07'42" E	1334.06	E24	S 38°40'52" E	318.98
E2	N 32°13'28" W	858.65	E25	S 28°15'35" E	165.06
E3	N 81°47'40" E	467.45	E26	N 60°28'24" E	66.00
E4	N 29°50'47" W	301.35	E27	S 31°13'00" E	1216.10
E5	N 58°41'04" E	535.53	E28	S 03°10'57" E	70.31
E6	N 33°02'07" W	254.97	E29	S 74°58'52" W	1025.08
E7	N 56°22'19" E	390.27	E30	N 88°23'06" W	619.92
E8	S 33°02'20" E	716.13	E31	S 88°52'31" W	477.09
E9	N 76°17'26" E	110.09	E32	S 77°35'53" W	827.92
E10	S 82°20'44" E	170.80	E33	S 76°33'20" W	715.21
E11	S 73°41'24" E	197.91	E34	S 83°06'21" W	377.27
E12	S 23°47'18" W	50.82	E35	N 87°11'27" W	290.48
E13	S 62°07'12" W	349.07	E36	N 82°10'30" W	194.28
E14	S 33°00'05" E	365.76	E37	S 02°48'36" E	59.96
E15	N 57°03'30" E	179.82	E38	N 82°21'35" W	254.92
E16	N 65°02'20" E	864.14	E39	S 67°05'59" W	86.07
E17	S 30°38'14" E	722.17	E40	N 83°27'21" W	361.28
E18	N 82°30'29" E	706.12	E41	N 00°10'00" W	50.51
E19	N 52°55'40" E	861.23	E42	N 82°26'17" W	366.90
E20	S 36°29'01" E	64.42	E43	N 07°33'43" E	255.15
E21	S 34°02'25" W	697.30	E44	N 65°52'23" E	123.14
E22	S 27°36'37" E	65.25	E45	N 32°43'51" W	340.00
E23	S 31°18'21" W	24.75			

Note

Bearings, distances, area obtained from Pennsylvania County and Municipal boundaries and parcel shapefiles, obtained from http://www.pasda.psu.edu/ and Chester County. The subject service area bearings, distances and area do not result from a physical survey on the ground and are approximate and not intended to represent a legal description of property.

AQUA

STATE INDEX PLAN



COUNTY INDEX PLAN



SERVICE AREA TERRITORY

East Whiteland Twp. Service Area
233,396,497 square ft.; 5,358.1 Acres; 8.372 square miles

(1) Beginning Point: PASPC Coordinates: North: 270,318.43', East: 2,670,746.53'; said point being approximately 304 ft. southwest of the intersection of Conestoga Rd. and Spring Valley Rd., said point also being approximately 663.64 ft. northeast of the intersection of the northwest corner of West Whiteland Twp. and the northwest corner of East Whiteland Twp., and proceeding according to the listed bearings and distances noted in the metes & bounds table insert.

(E1) Exclusion Area Beginning Point: PASPC Coordinates: North: 268,756.82', East: 2,663,631.10'; said point being approximately 765 ft. southwest of the intersection of Osa Glen Dr. and Oak Glen Dr. (T-intersection), said point also being approximately 344 ft. northnorthwest of the northern right of way (R.O.W.) of Route 202 and proceeding according to the listed bearings and distances noted in the exclusion metes & bounds table insert.

Legend
Requested Territory

REV.	DATE	DESCRIPTION
6.		
5.		
4.		
3.		
2.		
1.		

SCALE IN FEET
0 500 1,000 2,000

Proposed Service Territory
East Whiteland Twp., Chester County, Pennsylvania

DATE: 7/20/21 | SCALE: 1" = 1,000 feet | EXHIBIT: A

RIGHT-TO-KNOW RESPONSE FROM SCHUYLKILL TOWNSHIP

CHESTER COUNTY Schuylkill Township
BOARD OF SUPERVISORS

July 23, 2021

VIA EMAIL: susan.posternock@obermayer.com

Susan Posternock
Obermayer Rebmann Maxwell & Hippel, LLP
Centre Square West
1500 Market Street West, Suite 3400
Philadelphia, PA 19102-2101

RE: Right-to-Know Request Received June 21, 2021

Dear Ms. Posternock:

Thank you for writing to Schuylkill Township (the "Agency") to request records pursuant to Pennsylvania's Right-to-Know Law ("RTKL"), 65 P.S. §§ 67.101 *et seq.*

On June 21, 2021 you requested copies of Composite Amendment No. 1, dated December 1, 1974, to the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunk Line Agreement and the Valley Forge Sewage Treatment Plant Agreement; and the Addendum to the Valley Forge Sewage Treatment Plant Agreement dated October 4, 1994. A 30-day extension was submitted to you on June 25, 2021. This is the response to your request. Copies of your original request and the Agency's notice of extension are included with this response.

Your request is granted in part and denied in part as follows:

1. Records responsive to Composite Amendment No. 1 to the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunk Line Agreement and the Valley Forge Sewage Treatment Plant Agreement dated December 1, 1974, are attached.

2. Based on a thorough examination of records in the possession, custody and control of the Agency and inquiries to affiliated third parties, the records you requested on the Addendum to Valley Forge Sewer Plant Agreement dated October 4, 1994 do not exist in the possession, custody, and control of the Agency.

You have a right to appeal this denial in writing to: Office of Open Records, 333 Market St., 16th Floor, Harrisburg, PA 17101-2234. Appeals can also be filed online at the Office of Open Records website, https://www.openrecords.pa.gov.

If you choose to file an appeal you must do so within 15 business days of the mailing date of the agency's response. *See* 65 P.S. § 67.1101. Please note that a copy of your original RTKL request, the Agency's extension notice (if applicable), and this denial letter should be included when filing an appeal. More information about how to file an appeal under the RTKL is available at the Office of Open Records website, https://www.openrecords.pa.gov.

If you have additional questions, please contact me. This correspondence will serve to close this record with our office as permitted by law.

Sincerely,

Edward M. Mentry, Jr.
Agency Open Records Officer/Township Manager
RTK@schuylkilltwp.org

c: Board of Supervisors
Township Solicitor

E Whiteland

12-18-74

VALLEY CREEK TRUNK SEWER AGREEMENT
EAST WHITELAND TRUNK LINE AGREEMENT
VALLEY FORGE SEWAGE TREATMENT PLANT AGREEMENT

COMPOSITE AMENDMENT NO. 1

This Composite Amendment No. 1 dated as of December 1, 1974, to the Valley Creek Trunk Sewer Agreement dated November 1, 1970 (the "Valley Creek Agreement"), is entered between the parties to said Agreement, namely TREDYFFRIN TOWNSHIP MUNICIPAL AUTHORITY (the "Tredyffrin Authority") a Pennsylvania municipality authority and the TOWNSHIP OF TREDYFFRIN ("Tredyffrin Township") parties of the first part, and the TOWNSHIPS OF SCHUYLKILL, EAST PIKELAND, CHARLESTOWN, EAST WHITELAND, WILLISTOWN and EASTTOWN (all of said Townships being second class townships in Chester County, Pennsylvania), the BOROUGH OF MALVERN, the VALLEY FORGE SEWER AUTHORITY, MALVERN MUNICIPAL AUTHORITY, EAST WHITELAND MUNICIPAL AUTHORITY and EASTTOWN MUNICIPAL AUTHORITY all being Pennsylvania municipality authorities, parties of the second part. Certain of the aforementioned parties are also parties to the East Whiteland Trunk Line Agreement dated as of February 1, 1971 (the "East Whiteland Agreement") and the Valley Forge Sewage Treatment Plant Agreement dated as of November 1, 1970 (the "Treatment Plant Agreement"), which are also being amended in certain respects hereby. All of the abovementioned Townships and the Borough of Malvern are sometimes herein referred to as the "Municipalities" and the above-named municipality authorities are sometimes referred to as the "Authorities".

BACKGROUND

The background of this Agreement is as follows:

A. The parties hereto entered into the Valley Creek Agreement to provide for sharing the cost of construction of the "Valley

Creek Trunk Sewer" as therein defined, and also in contemplation of the construction of (i) the "Valley Forge Treatment Plant" pursuant to the Treatment Plant Agreement; (ii) the East Whiteland Trunk Line, pursuant to the East Whiteland Agreement; and (iii) the sewage collection systems within each of the Municipalities designed to be served by the aforementioned facilities. All of the aforesaid construction was to have been commenced at substantially the same time because it is all interrelated, and it is herein referred to collectively as the "Project". Construction of the Project has been delayed for various reasons during which time construction costs have risen substantially.

B. It is now expected that the U. S. Government acting through the Environmental Protection Agency ("EPA") will shortly award grants to each of the Authorities in the amount of 75% of the actual eligible costs of the abovementioned collection systems, pursuant to the Federal Water Pollution Control Act Amendments of 1972. In addition, informal assurances have been received from EPA as to the likely increase of the grants for the Valley Creek Trunk Sewer and the Valley Forge Treatment Plant and other interceptors, as previously awarded conditionally, to 75% of the actual eligible costs, even though said grants were originally awarded under prior Federal law.

C. Award of the abovementioned new grants and authorization to proceed with construction under the old grants will be conditioned upon execution of a Supplement to Sewage Facility Grant Agreements, dated as of July 1, 1974 (the "EPA Agreement") between the parties hereto and EPA, which Agreement will also require the enactment of certain Ordinances by the Municipalities on or before December 31, 1974, as more fully provided in Section 2 of the EPA Agreement, substantially in the form of Exhibits A and B thereto.

D. The Valley Creek Trunk Sewer is indispensible to the transportation of sanitary sewage emanating from all the Munici-

palities to the Valley Forge Treatment Plant. The Pennsylvania Historical and Museum Commission (the "Park Commission") has informally indicated however, that it will not permit construction of the portions of the Valley Creek Trunk Sewer located within Valley Forge State Park, consisting of Contract "D" of the Tredyffrin Authority (the "Park Construction") during the years 1976 through 1978 because of the necessity to close completely an arterial road to carry out such construction. The construction will require approximately 12 months to complete.

E. In reviewing the plans for the Valley Forge Sewage Treatment Plant EPA has recently required certain changes which necessitate redesign of said Plant, and it is therefore unlikely that final approval of plans for said Plant will take place before March of 1975, which will prevent award of construction contracts for such construction until early summer of that year.

F. The Consulting Engineers for the parties have advised them that construction costs will continue to increase, and that it will be in their best interests to commence construction of all of the facilities mentioned in paragraph A as soon as possible after award of the abovementioned new grants.

G. Because work on the Park Construction must be commenced before other parts of the Project, the Tredyffrin Authority is willing to commence such construction separately, upon approval thereof by EPA, and subject to the further provisions of this Agreement.

H. The estimated project cost for the Park Construction has been estimated by the Consulting Engineers of Tredyffrin Authority at $2,500,000, approximately 75% of which will be reimbursed by Federal grants. The Tredyffrin Authority has available funds for the non-Federal portion of such costs, but because the Park Construction is intended for the joint use of all the other

parties hereto it is deemed advisable that said Authority be protected against having to bear the full loss in the unlikely event that there should be an indefinite delay in construction of the balance of the Project.

NOW, THEREFORE, the parties hereto, intending to be legally bound hereby agree as follows:

1. All terms defined in the abovementioned Agreements will have the same meaning when used herein.

2. Immediately upon execution hereof by all parties, the Tredyffrin Authority will advertise for construction bids for the Park Construction or at its option such portion thereof as the Park Commission determines must be completed before January of 1976. It will not award such contracts however, until receiving written approval from EPA for such action, including reasonable assurance that Tredyffrin Authority will receive prompt payment on account of the Federal grants for such construction as construction proceeds, at the rate of 75% of actual eligible costs incurred. In order that such approval of EPA may be received, the Municipalities agree to proceed as rapidly as possible with authorization and execution of the EPA Agreement and enactment of the related Ordinances. Tredyffrin Authority will use its best efforts to complete such construction as rapidly as possible, but if construction bids have not been received for the balance of the Project by August 30, 1975, Tredyffrin Authority may at its option suspend work on the Park Construction in order to minimize the damages which might otherwise result.

3. Tredyffrin Authority will pay the non-Federal portion of the costs of such construction from moneys it now has available, subject to reimbursement of their respective shares of the non-Federal portion thereof by the capital contributions of the other Authorities pursuant to Article II of the Valley Creek Agreement.

4. Exhibit "B" to the Valley Creek Agreement, Exhibit "D" of the Treatment Plant Agreement and Exhibit "B" of the East Whiteland Agreement are hereby amended to revise the estimated project cost to the new amounts set forth in Exhibit "A" attached hereto (which amounts have been derived from the original estimated project costs by a comparison of cost index figures in 1970 and 1974 as published in the Engineering News Record in the same manner as is described in the revised Section 2.03 below, and also adjusting for design changes in the Valley Creek Pump Station caused by the change in its location). Section 2.03 of the Valley Creek Agreement and the same numbered sections of the East Whiteland Agreement and the Treatment Plant Agreement are hereby further amended to read as follows:

> "2.03 Change in Project Cost. In the event, after receipt of Construction bids, the total project cost (before deducting any federal or state grants) of constructing the [insert applicable construction] exceeds by more than 15% the estimate as set forth in Amendment No. 1 hereto and as adjusted pursuant to the next paragraph hereof, and such revision in excess of 15% is not disapproved by the majority of said municipalities listed in Exhibit [insert appropriate Exhibit or insert 'Joint Board' in Treatment Plant Agreement] each municipality listed in such Exhibit shall pay its respective share of said increase over 15% to Authority by the time set forth in Section 2.02 hereof. However, in computing the amount to be so paid, each municipality may take credit for its appropriate share of 90% of the anticipated Federal Grants for the construction as calculated by the Consulting Engineers. In the event, after receipt of the last construction bids for the [insert applicable construction] the total project cost of such construction is less than the estimate, as set forth in said Amendment No. 1, the total payment to be made by each such municipality under Sections 2.01 and 2.02 hereof shall be proportionately reduced and refunds of payments made under Section 1.01 shall be made proportionately.
>
> The total estimated project cost of constructing the [insert applicable construction], for purposes of the preceding paragraph of this Section 2.03, shall be further adjusted from that set forth in Exhibit 'A' to Amendment No. 1, by multiplying the total project cost appearing in Amendment No. 1 by a factor obtained by dividing the most recent available Construction Cost Index factor for Philadelphia appearing in the 'Sewage Construction Cost Index in 20 Cities' table relating to sewer construction published in the Engineering News Record, projected on a straight line basis to the date of receipt of the last construction bids for such construction in a manner satisfactory to the Consulting Engineers

for the Tredyffrin Authority and the Valley Forge Authority by the October 1974 Construction Cost Index factor for Philadelphia appearing in the 'Sewage Construction Cost Index in 20 Cities' table relating to sewer construction published in the December 19, 1974 edution of Engineering News Record, at page 74 ."

5. To the extent that the Tredyffrin Authority pays any of the costs (as defined in the Original Agreement) for the Park Construction from its own funds, or funds it may borrow, prior to receipt of the Capital Contributions from the other Authorities under the Valley Creek Agreement, such contributions when made will include, not only reimbursement for their respective shares of such cost pursuant to Section 2 above, but also interest on such shares of the amounts advanced by the Tredyffrin Authority, from the dates the respective advances are made to the date of reimbursement, at a rate equal to the highest rate paid by any one of the three following Philadelphia Banks from time to time on 30 day certificates of deposit as determined on the 15th day of each month: Central Penn National Bank; Continental Bank; and The Philadelphia National Bank.

6. In the event that for any reason the openings of construction bids for the balance of the Valley Creek Trunk Sewer and other portions of the Project are delayed for any reason, so that no capital contributions are paid under the Valley Creek Agreement, the other Authorities and Municipalities will reimburse Tredyffrin Authority for their respective percentages of the costs incurred by Tredyffrin Authority (less Federal grant moneys received) for the Park Construction plus interest as aforesaid, said obligations to be several and not joint however, and further provided that said reimbursements will be payable only from the proceeds of the next sewer bond issue, whenever that may occur, by each Authority, by its incorporating Municipality, or by any other municipality authority created by such Municipality, concurrently with the closing in such bond issues or from any other available funds. For this purpose a bond issue by the Valley Forge Authority will be treated as a bond issue for all of its three member Municipalities. Also, independently of the preceding two sentences, the Authorities

(but not the Municipalities) separately agree to make such repayment, without any limitation upon source, not later than two years after the date of the first advance by the Tredyffrin Authority.

7. All the Authorities will proceed to advertise for construction bids for their respective portions of the Project as soon as possible after receipt of Federal grants for the collection systems, but only upon approval of EPA for such advertising, and upon advice by the Valley Forge Authority that EPA has approved or is expected to approve advertising for construction bids for the Valley Forge Treatment Plant in sufficient time that construction bids will be received on the Treatment Plant by a date not more than 60 days after the receipt of bids for all other parts of the Project.

8. Except as modified herein the Valley Creek Agreement, the Treatment Plant Agreement and the East Whiteland Agreement are hereby ratified and confirmed.

9. This Agreement may be executed in any number of counterparts each of which may be deemed an original.

10. This Agreement shall not become effective until the formal Federal grant offers (which under applicable law are required to be in amounts equal to 75% of eligible costs) for the collection system portion of the Project have been received by all the Authorities, which grants however may be conditioned upon the execution of the EPA Agreement by all parties hereto.

11. Execution of this Composite Amendment to the above-mentioned three Agreements shall not be construed as making any Municipality or Authority a party to any Agreement to which it has not previously been a party, nor as merging any of said Agreements, which shall remain separate Agreements for all purposes.

IN WITNESS WHEREOF, each of the parties hereto has caused this Composite Amendment No. 1 Agreement to be executed and attested by its proper officers, pursuant to the proper action of its governing body, as of the day and year first above written.

TOWNSHIP OF TREDYFFRIN

By: Charles P. Brown, Jr.
Chairman, Board of Supervisors

(SEAL)

ATTEST:

By: Emily J. Reese
Secretary

(SEAL)

TREDYFFRIN MUNICIPAL AUTHORITY

By: John Goodhart
Chairman

ATTEST:

By: Alan O. Kibby
Secretary

(SEAL)

TOWNSHIP OF SCHUYLKILL

ATTEST:

By_____
Chairman, Board of Supervisors

By_____
Secretary

(SEAL)

TOWNSHIP OF EAST PIKELAND

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF CHARLESTOWN

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF EAST WHITELAND

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF WILLISTOWN

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF EASTTOWN

By _____
Chairman, Board of Supervisors

ATTEST:

By _____
Secretary

(SEAL)

BOROUGH OF MALVERN

By _____
President, Borough Council

ATTEST:

By _____
Secretary

(SEAL)

VALLEY FORGE SEWER AUTHORITY

By Joseph Weinstock
Chairman

ATTEST:

By _____
Secretary

(SEAL)

MALVERN MUNICIPAL AUTHORITY

By _____
Chairman

ATTEST:

By _____
Secretary

(SEAL)

EAST WHITELAND MUNICIPAL AUTHORITY

By _____
Chairman

ATTEST:

By George T. McGee
Secretary

(SEAL)

EASTTOWN MUNICIPAL AUTHORITY

By _____
Chairman

ATTEST:

By _____
Secretary

Execution by Willistown Township Municipal Authority

As authorized by Section 10.11 of the Treatment Plant Agreement and Section 10.11 of the Valley Creek Agreement the Willistown Township Municipal Authority has heretofore become a party to said Agreements, and therefore now executes this Composite Amendment No. 1 as a party to such prior Agreements.

WILLISTOWN TOWNSHIP MUNICIPAL AUTHORITY

By: _____
Chairman

Attest:

_____
Secretary

[Authority Seal]

COMPOSITE AMENDMENT NO. 1

EXHIBIT A
Revised Project Costs

Authority	Valley Creek Trunk Sewer Agreement					Valley Forge Treatment Plant Agreement		East Whiteland Trunk Line Agreement	
	Overall Project		Park Construction						
	% of Total Cost(1)	Estimated Cost (Before Grants)	% of Total Cost (1)	Estimated Cost Before Grants	After Grants	% of Total Cost	Estimated Cost (Before Grants)	% of Total Cost(1)	Estimated Cost (Before Grants)
Valley Forge Sewer Auth.	0.17%	$ 18,931	0.51%	$ 12,821	$ 3,600	26.60%	$ 2,831,432	-	
Tredyffrin Twp. Mun. Auth.	39.03%	4,346,322	31.34%	787,888	220,600	19.90%	2,118,251	-	
East Whiteland Mun. Auth.	28.65%	3,190,42:	35.48%	891,967	249,800	21.20%	2,256,630	68.89%	$658,448
Malvern Mun. Auth.	7.47%	831,848	9.34%	234,808	65,700	7.05%	750,436	31.11%	297,348
Willistown Twp. Mun. Auth.	11.83%	1,317,371	14.00%	351,960	98,600	13.30%	1,415,716	-	
Easttown Mun. Auth.	12.85%	1,430,957	9.33%	234,556	65,700	11.95%	1,272,015	-	
Total	100.00%	$11,135,850(2)	100.00%	$2,514,000	$704,000	100.00%	$10,644,480(3)	100.00%	$955,796

(1) Overall percentages are the same as those shown on original Exhibits and are solely for purposes of Section 2.03. Percentages of construction cost for individual sections of line (such as the Park Construction) vary, as shown in said Exhibits, based on relative anticipated use of each section by the various parties.
(2) Estimated construction cost $7,954,180.
(3) Estimated construction cost $7,884,800.

pennsylvania
OFFICE OF OPEN RECORDS

CHESTER COUNTY

Schuylkill Township
BOARD OF SUPERVISORS

STANDARD RIGHT-TO-KNOW REQUEST FORM

NAME OF REQUESTOR: Susan Posternock **DATE REQUESTED:** 6/18/21

ADDRESS: Obermayer Rebmann Maxwell & Hippel

1500 Market Street West, Suite 3400

CONTACT NUMBER: 215-665-3007 **CONTACT VIA EMAIL:** susan.posternock@obermayer.com

DESCRIPTION OF RECORDS BEING REQUESTED:

Please see attached letter. Email delivery preferred. Thank you.

COPIES REQUESTED?: YES x NO ____ **NUMBER OF COPIES:** 1

CERTIFIED COPIES?: YES ____ NO x **NUMBER OF CERTIFIED COPIES:** ____

INSPECT RECORDS?: YES ____ NO x

RECEIVED BY SIGNATURE: ____ **DATE:** ____

OFFICE USE ONLY

AGENCY FIVE (5) DAY RESPONSE DUE: ____ **DATE REQUEST FULFILLED:** ____

INITIALS OF STAFF MEMBER: ____

DATE INFORMATION PICKED UP: ____ **DATE MAILED:** ____

COSTS

____ IN-HOUSE COPIES @ $ .25 PER PAGE ____

____ OUTSIDE COPIES @ $ PER PAGE ____

POSTAGE ____

OTHER ____ **"OTHER" EXPLANATION:** ____

TOTAL COST $ ____

LESS DEPOSIT [1] ____

TOTAL AMOUNT OWED $ ____

[1]If copies of plans or other items which cannot be copied in-house are needed, cost of outside photocopying will be charged at cost. A deposit may be required if costs to fulfill the request are expected to exceed $100.00.

Public bodies may fill anonymous verbal or written requests. If the requestor wishes to pursue the relief and remedies provided for in the Right-to-Know Act, the request must be in writing (§702). Written requests need not include an explanation of why information is sought or the intended use of the information unless otherwise required by law (§702).

REQUESTED RECORDS WILL BE HELD FOR REVIEW OR PICK-UP FOR FIVE (5) BUSINESS DAYS AFTER REQUESTOR IS NOTIFIED. AFTER 10 BUSINESS DAYS, A NEW RIGHT-TO-KNOW REQUEST MUST BE FILED FOR THE RECORDS.

OBERMAYER

Susan Posternock
Research Librarian
Direct Dial: 215.665.3007
Susan.Posternock@obermayer.com
www.obermayer.com

Obermayer Rebmann Maxwell & Hippel LLP
Centre Square West
1500 Market Street | Suite 340
Philadelphia, PA 19102-2101
P: 215.665.3000
F: 215.665.3165

June 18, 2021

E.J. Mentry
Township Manager/Open Records Officer
Schuylkill Township
111 Valley Park Road
Phoenixville, PA 19460-5766

RE: Right-to-Know Request

Township Manager Mentry,

On behalf of Thomas Wyatt, Esquire, I am submitting this Right to Know request seeking copies of the following documents:

1. **Composite Amendment No. 1 to the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunk Line Agreement and the Valley Forge Sewage Treatment Plant Agreement dated December 1, 1974** between Tredyffrin Township Municipal Authority, Township of Tredyffrin, Township of Schuylkill, Township of East Pikeland, Township of Charlestown, Township of East Whiteland, Township of Willistown, Township of Easttown, Borough of Malvern, Valley Forge Sewer Authority, Malvern Municipal Authority, East Whiteland Municipal Authority, and Easttown Municipal Authority, including all signature pages.

2. **October 4, 1994 – Addendum to Valley Forge Sewage Treatment Plant Agreement for the Purpose of Permitting and Administering the Sale of Reserved Capacity Among the Parties** between Valley Forge Sewer Authority, the Townships of Schuylkill, East Pikeland,

Charlestown, East Whiteland, Tredyffrin, Willistown, and Easttown; the Borough of Malvern; East Whiteland Township Municipal Authority; Easttown Municipal Authority; and Tredyffrin Township Municipal Authority (Addendum to Nov. 1, 1970 Agreement), including all signature pages.

Electronic delivery is preferred, if possible. Please let me know if there are costs associated with fulfilling this request and, if so, how I can go about remitting payment. Feel free to contact me via phone at (215) 665-3007 or email at susan.posternock@obermayer.com with questions or concerns related to this request.

Regards,
Susan Posternock

RIGHT-TO-KNOW RESPONSE FROM VALLEY FORGE SEWER AUTHORITY

Valley Forge Sewer Authority

Standard Right-to-Know Record Request Form

333 Pawling Road, Phoenixville, PA 19460; Right-to-Know Officer: Deborah A. Bingham; phone: 610-935-1553; fax: 610-983-9684; email: bingham@vfsa.com.
Web page: www.vfsa.com

DATE STAMP HERE

Five (5) day business day period expiration: _____

Request Submitted by: Email_X_ US Mail___ FAX___ In-person___

Name of Requestor: Susan Posternock

Street Address: 1500 Market Street West, Suite 3400

City/State/Zip + County (Required): Philadelphia, PA 19102

Telephone : 215-665-3007 Fax: 215-665-3165

Description of Specific Records Requested:

Please see attached letter.

Method(s) of delivery: (please circle one) pickup/mail/email/fax

---

This section for agency completion

Date Approved:_____ Date Denied: _____

# of pages produced:_____ Postage:_____Fax:___

Total Cost_____ Date Completed:_____ Date Mailed:_____

Staff member completing request:_____

Susan Posternock
Research Librarian
Direct Dial: 215.665.3007
Susan.Posternock@obermayer.com
www.obermayer.com

Obermayer Rebmann Maxwell & Hippel LLP
Centre Square West
1500 Market Street | Suite 340
Philadelphia, PA 19102-2101
P: 215.665.3000
F: 215.665.3165

August 26, 2021

Deborah A. Bingham
Right-to-Know Officer
Valley Forge Sewer Authority
333 Pawling Road
Phoenixville, PA 19460

RE: Right-to-Know Request

Office Manager Bingham,

On behalf of Thomas Wyatt, Esquire, I am submitting this Right-to-Know request seeking copies of the following documents:

1. **December 1, 1974 – Composite Amendment No. 1 to the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunk Line Agreement and the Valley Forge Sewage Treatment Plant Agreement** between Tredyffrin Township Municipal Authority, Township of Tredyffrin, Township of Schuylkill, Township of East Pikeland, Township of Charlestown, Township of East Whiteland, Township of Willistown, Township of Easttown, Borough of Malvern, Valley Forge Sewer Authority, Malvern Municipal Authority, East Whiteland Municipal Authority, and Easttown Municipal Authority, including all signature pages

2. **July 1, 1974 – Supplement to Sewage Facility Grant Agreements** between the United States Environmental Protection Agency and the parties to the December 1, 1974 Composite Agreement (referenced in #1 above) – Tredyffrin Township Municipal Authority, Township of Tredyffrin, Township of Schuylkill, Township of East Pikeland, Township of Charlestown, Township of East Whiteland, Township of Willistown, Township of Easttown, Borough of Malvern, Valley Forge Sewer Authority, Malvern Municipal Authority, East Whiteland Municipal Authority, and Easttown Municipal Authority)

3. **February 1, 1971 East Whiteland Trunk Line Agreement** between East Whiteland Municipal Authority, the Township of East Whiteland, Malvern Municipal Authority, the Borough of Malvern, and Valley Forge Sewer Authority, including all exhibits and signature pages

Electronic delivery is preferred, if possible. Please let me know if there are costs associated with fulfilling this request and, if so, how I can go about remitting payment. Feel free to contact me via phone at (215) 665-3007 or email at susan.posternock@obermayer.com with questions or concerns related to this request.

Regards,
Susan Posternock

From: Deb Bingham <dbingham@vfsa.com>
Sent: Wednesday, September 1, 2021 1:33 PM
To: Posternock, Susan <susan.posternock@obermayer.com>
Subject: Right-to-Know Request

Deborah A. Bingham
Office Manager/Open Records Officer
Valley Forge Sewer Authority
333 Pawling Road, Phoenixville, PA 19460
phone: 610-935-1553, ext. 222; fax: 610-983-9684
bingham@vfsa.com

"Please think before you print"

From: Deb Bingham <dbingham@vfsa.com>
Sent: Wednesday, September 1, 2021 1:29 PM
To: Posternock, Susan <susan.posternock@obermayer.com>
Subject: RE: Right-to-Know Request from Obermayer 8.26.21

Please see above attachments. I was unable to attach the Dec. 1, 1974 Composite Amendment No. 1 to the VC Trunk Sewer Agreement. I will send that under separate email.

Thank you. Deborah A. Bingham

From: Posternock, Susan [mailto:susan.posternock@obermayer.com]
Sent: Thursday, August 26, 2021 12:26 PM
To: Deb Bingham
Subject: Right-to-Know Request from Obermayer 8.26.21

Office Manager Bingham,

Please see the attached Right-to-Know request. Please let me know if there are costs associated with fulfilling this request and, if so, how I can go about remitting payment. Electronic delivery of the requested documents is preferred, if possible. Feel free to contact me via phone at (215) 665-3007 or email at susan.posternock@obermayer.com with questions or concerns related to this request.
Regards,
Susan Posternock



Susan Posternock
Research Librarian

Obermayer Rebmann Maxwell & Hippel LLP
Centre Square West
1500 Market Street | Suite 3400
Philadelphia, PA 19102-2101
215.665.3007 tel | 215.665.3165 fax
susan.posternock@obermayer.com | www.obermayer.com

E Whiteland

12-18-74

VALLEY CREEK TRUNK SEWER AGREEMENT
EAST WHITELAND TRUNK LINE AGREEMENT
VALLEY FORGE SEWAGE TREATMENT PLANT AGREEMENT

COMPOSITE AMENDMENT NO. 1

This Composite Amendment No. 1 dated as of December 1, 1974, to the Valley Creek Trunk Sewer Agreement dated November 1, 1970 (the "Valley Creek Agreement"), is entered between the parties to said Agreement, namely TREDYFFRIN TOWNSHIP MUNICIPAL AUTHORITY (the "Tredyffrin Authority") a Pennsylvania municipality authority and the TOWNSHIP OF TREDYFFRIN ("Tredyffrin Township") parties of the first part, and the TOWNSHIPS OF SCHUYLKILL, EAST PIKELAND, CHARLESTOWN, EAST WHITELAND, WILLISTOWN and EASTTOWN (all of said Townships being second class townships in Chester County, Pennsylvania), the BOROUGH OF MALVERN, the VALLEY FORGE SEWER AUTHORITY, MALVERN MUNICIPAL AUTHORITY, EAST WHITELAND MUNICIPAL AUTHORITY and EASTTOWN MUNICIPAL AUTHORITY all being Pennsylvania municipality authorities, parties of the second part. Certain of the aforementioned parties are also parties to the East Whiteland Trunk Line Agreement dated as of February 1, 1971 (the "East Whiteland Agreement") and the Valley Forge Sewage Treatment Plant Agreement dated as of November 1, 1970 (the "Treatment Plant Agreement"), which are also being amended in certain respects hereby. All of the abovementioned Townships and the Borough of Malvern are sometimes herein referred to as the "Municipalities" and the above-named municipality authorities are sometimes referred to as the "Authorities".

BACKGROUND

The background of this Agreement is as follows:

A. The parties hereto entered into the Valley Creek Agreement to provide for sharing the cost of construction of the "Valley

Creek Trunk Sewer" as therein defined, and also in contemplation of the construction of (i) the "Valley Forge Treatment Plant" pursuant to the Treatment Plant Agreement; (ii) the East Whiteland Trunk Line, pursuant to the East Whiteland Agreement; and (iii) the sewage collection systems within each of the Municipalities designed to be served by the aforementioned facilities. All of the aforesaid construction was to have been commenced at substantially the same time because it is all interrelated, and it is herein referred to collectively as the "Project". Construction of the Project has been delayed for various reasons during which time construction costs have risen substantially.

B. It is now expected that the U. S. Government acting through the Environmental Protection Agency ("EPA") will shortly award grants to each of the Authorities in the amount of 75% of the actual eligible costs of the abovementioned collection systems, pursuant to the Federal Water Pollution Control Act Amendments of 1972. In addition, informal assurances have been received from EPA as to the likely increase of the grants for the Valley Creek Trunk Sewer and the Valley Forge Treatment Plant and other interceptors, as previously awarded conditionally, to 75% of the actual eligible costs, even though said grants were originally awarded under prior Federal law.

C. Award of the abovementioned new grants and authorization to proceed with construction under the old grants will be conditioned upon execution of a Supplement to Sewage Facility Grant Agreements, dated as of July 1, 1974 (the "EPA Agreement") between the parties hereto and EPA, which Agreement will also require the enactment of certain Ordinances by the Municipalities on or before December 31, 1974, as more fully provided in Section 2 of the EPA Agreement, substantially in the form of Exhibits A and B thereto.

D. The Valley Creek Trunk Sewer is indispensible to the transportation of sanitary sewage emanating from all the Munici-

palities to the Valley Forge Treatment Plant. The Pennsylvania Historical and Museum Commission (the "Park Commission") has informally indicated however, that it will not permit construction of the portions of the Valley Creek Trunk Sewer located within Valley Forge State Park, consisting of Contract "D" of the Tredyffrin Authority (the "Park Construction") during the years 1976 through 1978 because of the necessity to close completely an arterial road to carry out such construction. The construction will require approximately 12 months to complete.

E. In reviewing the plans for the Valley Forge Sewage Treatment Plant EPA has recently required certain changes which necessitate redesign of said Plant, and it is therefore unlikely that final approval of plans for said Plant will take place before March of 1975, which will prevent award of construction contracts for such construction until early summer of that year.

F. The Consulting Engineers for the parties have advised them that construction costs will continue to increase, and that it will be in their best interests to commence construction of all of the facilities mentioned in paragraph A as soon as possible after award of the abovementioned new grants.

G. Because work on the Park Construction must be commenced before other parts of the Project, the Tredyffrin Authority is willing to commence such construction separately, upon approval thereof by EPA, and subject to the further provisions of this Agreement.

H. The estimated project cost for the Park Construction has been estimated by the Consulting Engineers of Tredyffrin Authority at $2,500,000, approximately 75% of which will be reimbursed by Federal grants. The Tredyffrin Authority has available funds for the non-Federal portion of such costs, but because the Park Construction is intended for the joint use of all the other

parties hereto it is deemed advisable that said Authority be protected against having to bear the full loss in the unlikely event that there should be an indefinite delay in construction of the balance of the Project.

NOW, THEREFORE, the parties hereto, intending to be legally bound hereby agree as follows:

1. All terms defined in the abovementioned Agreements will have the same meaning when used herein.

2. Immediately upon execution hereof by all parties, the Tredyffrin Authority will advertise for construction bids for the Park Construction or at its option such portion thereof as the Park Commission determines must be completed before January of 1976. It will not award such contracts however, until receiving written approval from EPA for such action, including reasonable assurance that Tredyffrin Authority will receive prompt payment on account of the Federal grants for such construction as construction proceeds, at the rate of 75% of actual eligible costs incurred. In order that such approval of EPA may be received, the Municipalities agree to proceed as rapidly as possible with authorization and execution of the EPA Agreement and enactment of the related Ordinances. Tredyffrin Authority will use its best efforts to complete such construction as rapidly as possible, but if construction bids have not been received for the balance of the Project by August 30, 1975, Tredyffrin Authority may at its option suspend work on the Park Construction in order to minimize the damages which might otherwise result.

3. Tredyffrin Authority will pay the non-Federal portion of the costs of such construction from moneys it now has available, subject to reimbursement of their respective shares of the non-Federal portion thereof by the capital contributions of the other Authorities pursuant to Article II of the Valley Creek Agreement.

4. Exhibit "B" to the Valley Creek Agreement, Exhibit "D" of the Treatment Plant Agreement and Exhibit "B" of the East Whiteland Agreement are hereby amended to revise the estimated project cost to the new amounts set forth in Exhibit "A" attached hereto (which amounts have been derived from the original estimated project costs by a comparison of cost index figures in 1970 and 1974 as published in the Engineering News Record in the same manner as is described in the revised Section 2.03 below, and also adjusting for design changes in the Valley Creek Pump Station caused by the change in its location). Section 2.03 of the Valley Creek Agreement and the same numbered sections of the East Whiteland Agreement and the Treatment Plant Agreement are hereby further amended to read as follows:

> "2.03 Change in Project Cost. In the event, after receipt of Construction bids, the total project cost (before deducting any federal or state grants) of constructing the [insert applicable construction] exceeds by more than 15% the estimate as set forth in Amendment No. 1 hereto and as adjusted pursuant to the next paragraph hereof, and such revision in excess of 15% is not disapproved by the majority of said municipalities listed in Exhibit [insert appropriate Exhibit or insert 'Joint Board' in Treatment Plant Agreement] each municipality listed in such Exhibit shall pay its respective share of said increase over 15% to Authority by the time set forth in Section 2.02 hereof. However, in computing the amount to be so paid, each municipality may take credit for its appropriate share of 90% of the anticipated Federal Grants for the construction as calculated by the Consulting Engineers. In the event, after receipt of the last construction bids for the [insert applicable construction] the total project cost of such construction is less than the estimate, as set forth in said Amendment No. 1, the total payment to be made by each such municipality under Sections 2.01 and 2.02 hereof shall be proportionately reduced and refunds of payments made under Section 1.01 shall be made proportionately.
>
> The total estimated project cost of constructing the [insert applicable construction], for purposes of the preceding paragraph of this Section 2.03, shall be further adjusted from that set forth in Exhibit 'A' to Amendment No. 1, by multiplying the total project cost appearing in Amendment No. 1 by a factor obtained by dividing the most recent available Construction Cost Index factor for Philadelphia appearing in the 'Sewage Construction Cost Index in 20 Cities' table relating to sewer construction published in the Engineering News Record, projected on a straight line basis to the date of receipt of the last construction bids for such construction in a manner satisfactory to the Consulting Engineers

for the Tredyffrin Authority and the Valley Forge Authority by the October 1974 Construction Cost Index factor for Philadelphia appearing in the 'Sewage Construction Cost Index in 20 Cities' table relating to sewer construction published in the December 19, 1974 edution of Engineering News Record, at page 74 ."

5. To the extent that the Tredyffrin Authority pays any of the costs (as defined in the Original Agreement) for the Park Construction from its own funds, or funds it may borrow, prior to receipt of the Capital Contributions from the other Authorities under the Valley Creek Agreement, such contributions when made will include, not only reimbursement for their respective shares of such cost pursuant to Section 2 above, but also interest on such shares of the amounts advanced by the Tredyffrin Authority, from the dates the respective advances are made to the date of reimbursement, at a rate equal to the highest rate paid by any one of the three following Philadelphia Banks from time to time on 30 day certificates of deposit as determined on the 15th day of each month: Central Penn National Bank; Continental Bank; and The Philadelphia National Bank.

6. In the event that for any reason the openings of construction bids for the balance of the Valley Creek Trunk Sewer and other portions of the Project are delayed for any reason, so that no capital contributions are paid under the Valley Creek Agreement, the other Authorities and Municipalities will reimburse Tredyffrin Authority for their respective percentages of the costs incurred by Tredyffrin Authority (less Federal grant moneys received) for the Park Construction plus interest as aforesaid, said obligations to be several and not joint however, and further provided that said reimbursements will be payable only from the proceeds of the next sewer bond issue, whenever that may occur, by each Authority, by its incorporating Municipality, or by any other municipality authority created by such Municipality, concurrently with the closing in such bond issues or from any other available funds. For this purpose a bond issue by the Valley Forge Authority will be treated as a bond issue for all of its three member Municipalities. Also, independently of the preceding two sentences, the Authorities

(but not the Municipalities) separately agree to make such repayment, without any limitation upon source, not later than two years after the date of the first advance by the Tredyffrin Authority.

7. All the Authorities will proceed to advertise for construction bids for their respective portions of the Project as soon as possible after receipt of Federal grants for the collection systems, but only upon approval of EPA for such advertising, and upon advice by the Valley Forge Authority that EPA has approved or is expected to approve advertising for construction bids for the Valley Forge Treatment Plant in sufficient time that construction bids will be received on the Treatment Plant by a date not more than 60 days after the receipt of bids for all other parts of the Project.

8. Except as modified herein the Valley Creek Agreement, the Treatment Plant Agreement and the East Whiteland Agreement are hereby ratified and confirmed.

9. This Agreement may be executed in any number of counterparts each of which may be deemed an original.

10. This Agreement shall not become effective until the formal Federal grant offers (which under applicable law are required to be in amounts equal to 75% of eligible costs) for the collection system portion of the Project have been received by all the Authorities, which grants however may be conditioned upon the execution of the EPA Agreement by all parties hereto.

11. Execution of this Composite Amendment to the above-mentioned three Agreements shall not be construed as making any Municipality or Authority a party to any Agreement to which it has not previously been a party, nor as merging any of said Agreements, which shall remain separate Agreements for all purposes.

IN WITNESS WHEREOF, each of the parties hereto has caused this Composite Amendment No. 1 Agreement to be executed and attested by its proper officers, pursuant to the proper action of its governing body, as of the day and year first above written.

TOWNSHIP OF TREDYFFRIN

By: Charles P. Brown, Jr.
Chairman, Board of Supervisors

(SEAL)

ATTEST:

By: Emily J. Peirce
Secretary

(SEAL)

TREDYFFRIN MUNICIPAL AUTHORITY

By: John Goodwin
Chairman

ATTEST:

By: Alan O. Wikby
Secretary

(SEAL)

TOWNSHIP OF SCHUYLKILL

ATTEST:

By_____
Chairman, Board of Supervisors

By_____
Secretary

(SEAL)

TOWNSHIP OF EAST PIKELAND

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF CHARLESTOWN

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF EAST WHITELAND

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF WILLISTOWN

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

TOWNSHIP OF EASTTOWN

By_____
Chairman, Board of Supervisors

ATTEST:

By_____
Secretary

(SEAL)

BOROUGH OF MALVERN

By_____
President, Borough Council

ATTEST:

By_____
Secretary

(SEAL)

VALLEY FORGE SEWER AUTHORITY

By Joseph Weinstock
Chairman

ATTEST:

By_____
Secretary

(SEAL)

MALVERN MUNICIPAL AUTHORITY

By_____
Chairman

ATTEST:

By_____
Secretary

(SEAL)

EAST WHITELAND MUNICIPAL AUTHORITY

By_____
Chairman

ATTEST:

By George T. McGee
Secretary

(SEAL)

EASTTOWN MUNICIPAL AUTHORITY

By_____
Chairman

ATTEST:

By_____
Secretary

Execution by Willistown Township Municipal Authority

As authorized by Section 10.11 of the Treatment Plant Agreement and Section 10.11 of the Valley Creek Agreement the Willistown Township Municipal Authority has heretofore become a party to said Agreements, and therefore now executes this Composite Amendment No. 1 as a party to such prior Agreements.

WILLISTOWN TOWNSHIP MUNICIPAL AUTHORITY

By: _____
Chairman

Attest:

_____
Secretary

[Authority Seal]

COMPOSITE AMENDMENT NO. 1

EXHIBIT A
Revised Project Costs

Authority	Valley Creek Trunk Sewer Agreement					Valley Forge Treatment Plant Agreement		East Whiteland Trunk Line Agreement	
	Overall Project		Park Construction						
	% of Total Cost(1)	Estimated Cost (Before Grants)	% of Total Cost (1)	Estimated Cost Before Grants	After Grants	% of Total Cost	Estimated Cost (Before Grants)	% of Total Cost(1)	Estimated Cost (Before Grants)
Valley Forge Sewer Auth.	0.17%	$ 18,931	0.51%	$ 12,821	$ 3,600	26.60%	$ 2,831,432	-	
Tredyffrin Twp. Mun. Auth.	39.03%	4,346,322	31.34%	787,888	220,600	19.90%	2,118,251	-	
East Whiteland Mun. Auth.	28.65%	3,190,42:	35.48%	891,967	249,800	21.20%	2,256,630	68.89%	$658,448
Malvern Mun. Auth.	7.47%	831,848	9.34%	234,808	65,700	7.05%	750,436	31.11%	297,348
Willistown Twp. Mun. Auth.	11.83%	1,317,371	14.00%	351,960	98,600	13.30%	1,415,716	-	
Easttown Mun. Auth.	12.85%	1,430,957	9.33%	234,556	65,700	11.95%	1,272,015	-	
Total	100.00%	$11,135,850(2)	100.00%	$2,514,000	$704,000	100.00%	$10,644,480(3)	100.00%	$955,796

(1) Overall percentages are the same as those shown on original Exhibits and are solely for purposes of Section 2.03. Percentages of construction cost for individual sections of line (such as the Park Construction) vary, as shown in said Exhibits, based on relative anticipated use of each section by the various parties.
(2) Estimated construction cost $7,954,180.
(3) Estimated construction cost $7,884,800.

LETTER FROM
WILLISTOWN TOWNSHIP

Board of Supervisors of Willistown Township
Chester County
688 Sugartown Road, Malvern, PA 19355
Phone: 610.647.5300 Fax: 610.647.8156

August 26, 2021

VIA E-MAIL ONLY
Mr. John Nagel, Manager
East Whiteland Township
jnagel@eastwhiteland.org

Re: Document Request in Lieu of Right to Know Request

Dear John,

As you know, East Whiteland Township ("East Whiteland") and Willistown Township ("Willistown" and collectively with East Whiteland, the "Townships") are in the process of selling their respective sewer systems to Aqua Pennsylvania Wastewater, Inc. (the "Transactions"). In connection with the Transactions, we have thoroughly searched our records for certain agreements, including the document described below. This letter is to confirm to you that after thorough investigation of our records and numerous Right to Know requests of the other municipalities that are parties to it, we are unable to find a complete copy of the following agreement:

Composite Amendment No.1 to the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunkline Agreement, and the Valley Forge Sewer Plant Agreement dated December 1, 1974 between Tredyffrin Municipal Authority, Township of Tredyffrin, Township of Schuylkill, Township of East Pikeland, Township of Charlestown, Township of East Whiteland, Township of Willistown, Township of Easttown, Borough of Malvern, Valley Forge Sewer Authority, Malvern Municipal Authority, East Whiteland Municipal Authority, and Easttown Municipal Authority (the "Composite Agreement").

Also, I acknowledge that the version of the Composite Agreement that East Whiteland has in its possession, a copy of which was provided to me, is incomplete and missing various signatures. Please contact me if you require anything else.

Sincerely,

Sally Slook
Township Manager

cc: Thomas S. Wyatt, Esq., thomas.wyatt@obermayer.com
Kimberley A. Farmer, Esq., Kimberley.farmer@obermayer.com

RIGHT-TO-KNOW RESPONSE FROM MALVERN BOROUGH

June 23, 2021

Ms. Susan Posternock
Obermayer Rebmann Maxwell & Hippel LLP
1500 Market Street West, Suite 3400
Philadelphia, PA 19102

Re: Right-to-Know Request
June 21, 2021

Dear Ms. Posternock,

The Borough of Malvern is in receipt of your Right-to-Know request dated June 21, 2021. Specifically, the request seeks the following records of the Borough of Malvern:

- Composite Amendment No. 1 to the Valley Creek Trunk Sewer Agreement, the East Whiteland Trunk Line Agreement, and the Valley Forge Sewage Treatment Plant Agreement dated December 1, 1974.
- Undated, 2000 inter-municipal sewer agreement pertaining to the Village of Pennwyck
- February 1, 1971 East Whiteland Trunk Line Agreement

Please be advised that pursuant to our conversation on June 23, 2021, you advised that you no longer needed the record identified in the first bullet above.

In response to this request, please find enclosed the executed inter-municipal agreement pertaining to the Village at Pennwyck development and the executed agreement for the East Whiteland Trunk Line dated February 1, 1971.

You have the right to appeal this determination. If you so choose to appeal this determination, you must file an appeal with the Pennsylvania Open Records Office within fifteen (15) business days of its mailing date, pursuant to Section 1101 of the Right-to-Know Law. Please be advised that this correspondence will serve to close this record with our office, as permitted by law.

If you have questions regarding this determination, please do not hesitate to contact the Borough.

Sincerely,

Christopher Bashore

Christopher C. Bashore
Borough Manager/Right-to-Know Officer
Borough of Malvern
1 E. First Ave., Suite 3
Malvern, PA 19355

Enclosure

Rev.
2/10/71

EAST WHITELAND TRUNK LINE AGREEMENT

THIS AGREEMENT, dated as of the first day of February, 1971, by and between EAST WHITELAND MUNICIPAL AUTHORITY (East Whiteland Authority), a municipal authority organized by the Township of East Whiteland and operating under the provisions of the Municipality Authorities Act of 1945, the Act of May 2, 1945, P.L. 382, its supplements and amendments, and the TOWNSHIP OF EAST WHITELAND (East Whiteland Township), a second class township, parties of the first part, and MALVERN MUNICIPAL AUTHORITY (Malvern Authority) and the BOROUGH OF MALVERN (Malvern), parties of the second part, and VALLEY FORGE SEWER AUTHORITY, party of the third part, all of said parties being municipal authorities or political subdivisions within the County of Chester, Commonwealth of Pennsylvania.

W I T N E S S E T H :

WHEREAS, the parties hereto have constructed or provided for or are about to construct or provide for sanitary sewer collection systems; and

WHEREAS, the parties desire to dispose of sewage described hereinafter by a treatment plant (hereinafter called the "Valley Forge Treatment Plant") to be located on the Schuylkill River in Schuylkill Township, Chester County, Pennsylvania, which treatment plant is to be constructed and operated by Valley Forge Sewer Authority (a municipality authority formed by Schuylkill, East Pikeland and Charlestown Townships); and

WHEREAS, a substantial portion of the sewage emanating from within the municipalities which is to be disposed of by the aforesaid treatment plant is to be discharged into and conveyed to the aforesaid treatment plant by interceptors or trunk sewers to be constructed by Tredyffrin Township Municipal Authority (Tredyffrin Authority), which interceptors or trunk sewers, including pumping stations and appurtenances are hereinafter called, collectively, the "Valley Creek Trunk Sewer", are to be leased by Tredyffrin Authority to the Township of Tredyffrin, which will operate said Valley Creek Trunk Sewer; and

WHEREAS, all of the sewage emanating from Malvern, which is to be disposed of by the Valley Forge Treatment Plant must pass through East Whiteland to reach the Valley Creek Trunk Sewer; and

WHEREAS, East Whiteland Authority has agreed to construct an interceptor or trunk sewer which will be called the East Whiteland Trunk Line, and Malvern Authority and Malvern have indicated they will utilize said Trunk Line and share in the cost of its construction and operation for the mutual benefit of the parties.

NOW, THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS HEREIN CONTAINED, the parties hereto, intending to be legally bound hereby, covenant and agree as follows:

ARTICLE I

CONSTRUCTION OF EAST WHITELAND TRUNK LINE

1.01 Engineering Services.

Each party hereby approves the contract dated June 20, 1966, between East Whiteland Authority and Roy F. Weston, Inc. (hereinafter called the "Consulting Engineers"), for engineering

services in respect of the construction of sewerage facilities to serve the East Whiteland Township and interceptors or trunk sewers, and appurtenances, to be located as set forth on the attached Exhibit "A" - the East Whiteland Trunk Line. A copy of said contract having been delivered to each party, the municipalities and municipality authority set forth in Exhibit "B" (hereinafter referred in this Article I as the "municipalities") agree to share the cost of such engineering design in accordance with the percentages applicable to each section or reach of said trunk line set forth in Exhibit "B" attached hereto. The parties hereto likewise agree to share the cost of surveys and test borings incident to the aforesaid design in accordance with said percentages. When payments for such engineering design, surveys and test borings fall due from time to time, each such municipality upon receipt of a copy of an invoice from the Consulting Engineers, shall promptly pay or cause to be paid to East Whiteland Authority for delivery to the Consulting Engineers (or, upon request of East Whiteland Authority, directly to the Consulting Engineers) that percentage of such invoice as is set forth in said Exhibit. Nothing herein contained shall be construed so as to make any party hereto (other than East Whiteland Authority) a party to said contract between East Whiteland Authority and the Consulting Engineers. If any payment required of a party hereto under this Section 1.01 is not made within thirty (30) days of the receipt of the aforesaid copy of invoice, interest shall accrue at the rate of six per cent (6%) per annum from such date.

1.02 Design Capacity; Construction of East Whiteland Trunk Line.

For each such municipality listed in Exhibit B, said East Whiteland Trunk Line shall provide the design capacity (reserved capacity) for each secion or reach of the respective interceptor or trunk sewers as set forth after the name of each such municipality in said Exhibit. East Whiteland Authority, in accordance with said contract with the Consulting Engineers shall cause plans and specifications for the East Whiteland Trunk Line to be completed with all reasonable dispatch. East Whiteland Authority, upon receipt of capital contributions as provided in Article II hereof shall award construction contracts and cause the East Whiteland Trunk Line to be constructed with reasonable dispatch, all in accordance with said plans and specifications and sound engineering principles.

1.03 Review and Inspection.

Throughout the term of this Agreement, East Whiteland Authority shall cause the Consulting Engineers to make available at reasonable times and places any information concerning the design, construction and operation of the East Whiteland Trunk Line reasonably requested by Malvern Authority or Malvern. Members of the governing body of Malvern and the consulting engineers, employees and representatives of Malvern shall have the right at all reasonable times during construction and thereafter to inspect the construction and operation of the East Whiteland Trunk Line and all records of East Whiteland Authority and East Whiteland Township in respect thereof. East Whiteland Authority and East Whiteland Township, at reasonable times, shall receive and consider the opinions, comments and suggestions of Malvern or Malvern Authority and of the

consulting engineer of Malvern and Malvern Authority.

1.04 Date of completion of East Whiteland Trunk Line.

East Whiteland Authority shall make every reasonable effort to cause the East Whiteland Trunk Line to be completed with reasonable dispatch.

ARTICLE II

CAPITAL CONTRIBUTIONS

2.01 Percentages.

Subject to limitations hereinafter provided, each of the municipalities and municipality authorities listed in Exhibit B attached hereto (hereinafter referred to in this Article II as the "municipalities") shall bear the percentage of the total project cost of constructing the several sections or reaches of the respective interceptor or trunk sewers of the East Whiteland Trunk Line as set forth after its name in said Exhibit B, which lists the reserved capacity requirements of each party in each such section or reach of sewer, and are referred to hereinafter as "said percentages". The total estimated project cost of constructing the East Whiteland Trunk Line and of each section or reach thereof to be constructed as part of said Trunk Line is set forth in Exhibit B. The total project cost of constructing the East Whiteland Trunk Line shall include construction contract payments, land costs, engineering, surveying, boring and construction representation fees and expenses (other than those paid for under Section 1.01 hereof), legal fees incident to the construction (including preparation and review of

documents needed before construction can commence), a reasonable contingency fund and all other charges, costs and expenses incident to such construction and which are properly chargeable thereto under sound accounting practice but excluding (i) financing costs and (ii) all costs and expenses properly chargeable to East Whiteland Authority for construction of the balance of its own sewage collection system under sound accounting practice. Allocation of costs and expenses between the cost of constructing the East Whiteland Trunk Line and the cost of constructing of the balance of said collection system of East Whiteland Authority shall be subject to adjustment upon audit as provided for hereinafter.

2.02 Payment of Capital Contributions.

No capital contribution in respect of construction shall be due hereunder unless prior to the date of payment plans and specifications for the East Whiteland Trunk Line and revisions thereof, if any, have been approved by the municipalities. Disapprovals may be based only on sound engineering reasons. Within sixty (60) days of the date on which construction bids are received by East Whiteland Authority (or, in the event of increased costs requiring approval pursuant to Section 2.03 hereof, within sixty (60) days of approval pursuant thereto) time being of the essence of this Agreement, each of said municipalities listed in Exhibit B shall pay to East Whiteland Authority the total of (1) the share of the estimated total project cost of constructing the East Whiteland Trunk Line set forth in dollars after its name in Exhibit B, (2) said percentage of the amount by which the total project cost as stated by the Consulting Engineers after

the receipt of construction bids exceeds the estimates set forth in Exhibit B, up to an increase of 15% of said estimates, and (3) such amount as may be due pursuant to the next succeeding Section hereof.

2.03 Change in Project Cost.

In the event, after the receipt of construction bids, the total project cost (before deducting any federal or state grants) of constructing the East Whiteland Trunk Line is increased by more than 15% of the estimate set forth in Exhibit B, and such a revision is approved by Malvern Authority, each municipality listed in Exhibit B shall pay said percentage of said increase to East Whiteland Authority by the time set forth in the preceding section. In the event, after receipt of construction bids, the total project cost of constructing the East Whiteland Trunk Line is less than the estimate set forth in Exhibit B, the total payment to be made by each such municipality under Sections 2.01 and 2.02 hereof shall be proportionately reduced and refunds of payments made under Section 1.01 shall be made proportionately.

2.04 Grants.

Each party authorizes and directs East Whiteland Authority on behalf of each such muncipality or municipality authority from time to time to apply for and accept all available grants in aid towards any East Whiteland Trunk Line construction costs and any East Whiteland Trunk Line operating costs of any nature to be used in accordance with this Agreement. All Federal and State grants received by any such municipality properly

allocable to and to be applied to the project cost of constructing the East Whiteland Trunk Line shall be paid to East Whiteland Authority and the total payment to be made by each municipality under Sections 2.01 and 2.02 hereof shall be reduced proportionately by such grant or grants.

All Federal and State grants received by East Whiteland Authority which are properly allocable to the project cost of constructing the East Whiteland Trunk Line shall be applied by East Whiteland Authority to the payment of such project cost or in reimbursement of expenditures so made and the total payment to be made by each municipality under Sections 1.01, 2.01 and 2.02 hereof shall be reduced accordingly. If any such Federal or State grants shall have been awarded to East Whiteland Authority and an agreement with the appropriate Federal or State agency executed on or before the date capital contributions are to be made under Section 2.02, then such total payment to be made by each municipality shall be reduced appropriately. If any such Federal or State grant is awarded or the agreement with the appropriate Federal or State agency executed by East Whiteland Authority after the aforesaid payments have been made by the municipalities under Section 2.02, such grants shall be applied in the computation of any surplus or deficiency of capital contribution pursuant to Section 2.08 hereof.

Federal and State grants which are allocable to the project cost of constructing the East Whiteland Trunk Line and other portions of the sewer system constructed by East Whiteland Authority and used as collector sewers to serve East Whiteland Township shall be apportioned by the Consulting Engineers between the project cost of constructing the East Whiteland Trunk Line and such other portions of said sewer system and the portion of such grants thus determined to be allocable to the project cost

of constructing the East Whiteland Trunk Line shall be applied to the payment of the project cost of the East Whiteland Trunk Line or in reimbursement of expenditures so made.

All Federal and State contributions or grants in aid received by any of said municipalities properly allocable to and to be applied towards any cost of operation, maintenance, repair, replacement, or other expenses relating to the East Whiteland Trunk Line shall be paid over to East Whiteland Township and shall be deducted in determining actual annual operating expenses of the East Whiteland Trunk Line in accordance with Section 4.07 hereof.

2.05 Construction Fund.

East Whiteland Authority shall deposit all amounts delivered by all parties to it pursuant to this Article, together with East Whiteland Authority's share and all amounts received in payment of Federal and State grants allocable to the project cost of constructing the East Whiteland Trunk Line, in a special East Whiteland Trunk Line Construction Fund (hereinafter called "Construction Fund"). Such Construction Fund moneys shall be held and invested by a Trustee selected by East Whiteland Authority and to the extent not insured by the Federal Deposit Insurance Corporation or other Federal agency, or invested as hereinafter provided shall be continuously secured by the pledge of direct obligations of the United States of America or the Commonwealth of Pennsylvania having an aggregate market value (exclusive of accrued interest) at all times at least equal to the amount of such moneys. Such moneys may be wholly or partially invested by said Trustee only in direct obligations of the United States of America and certificates of deposit which

shall mature or shall be subject to redemption at the option of the holder not later than one year from the date of such investment. Any securities so purchased shall be a part of the Construction Fund. The interest and income received from time to time upon investments and any profit realized or loss sustained from the sale of such securities shall be added or charged to the Construction Fund and such interest, income, profit or loss shall be considered in the computation of any surplus or deficiency as provided in Section 2.08. Moneys paid to the East Whiteland Authority pursuant to this Agreement shall at all times be segregated in books of account from moneys received by East Whiteland Authority for any other purpose.

2.06 Construction Fund Requisitions.

East Whiteland Authority agrees that payments from the East Whiteland Trunk Line Construction Fund shall be made only upon requisitions, copies of which shall be available to any of said municipalities, duly executed by authorized representatives of East Whiteland Authority stating: (a) the amount requested; (b) the obligation for or the account for which the requisition is made, showing separately the total obligation, the amount already paid, if any, and the balance remaining to be paid; (c) the person to whom the payment shall be made and his address; (d) that the item for which requisition has been made has not been paid and (e) with respect to such item there are no vendors', mechanics' or other liens or secured transactions which will not be discharged by such payment.

In case of payments under construction contracts, such requisitions shall also contain a certificate of the Consulting

Engineers certifying approval of the requisition and further certifying that such obligation has been properly incurred and is then due and unpaid and that insofar as such obligation was incurred for work, materials, supplies or equipment, such work was actually performed or such materials, supplies or equipment were actually installed in or about the construction of the East Whiteland Trunk Line, or delivered at the site of the work for that purpose, or delivered for fabrication at the place approved by the Consulting Engineers; and that all work done and materials, supplies or equipment for which such obligation was incurred are, in the Consulting Engineers' opinion, in accordance with the plans and specifications.

2.07 Change Orders.

East Whiteland Authority agrees to notify each of said municipalities of all changes or alterations in the East Whiteland Trunk Line plans and specifications. No change order concerning said plans and specifications in excess of $25,000. shall be approved by East Whiteland Authority unless it has previously been approved by Malvern Authority; provided, however, that if written notification of disapproval is not received by the East Whiteland Authority within ten (10) days of the date requested for approval of any change order is delivered to an officer of Malvern Authority, such change order shall be deemed to have been approved by such municipality. East Whiteland Authority further agrees that, without the prior approval of Malvern Authority, no change or alteration will be made in any of the plans and specifications of the Consulting Engineers, in respect to the

East Whiteland Trunk Line, which will cause the cost of construction to exceed the amount available in the East Whiteland Trunk Line Construction Fund.

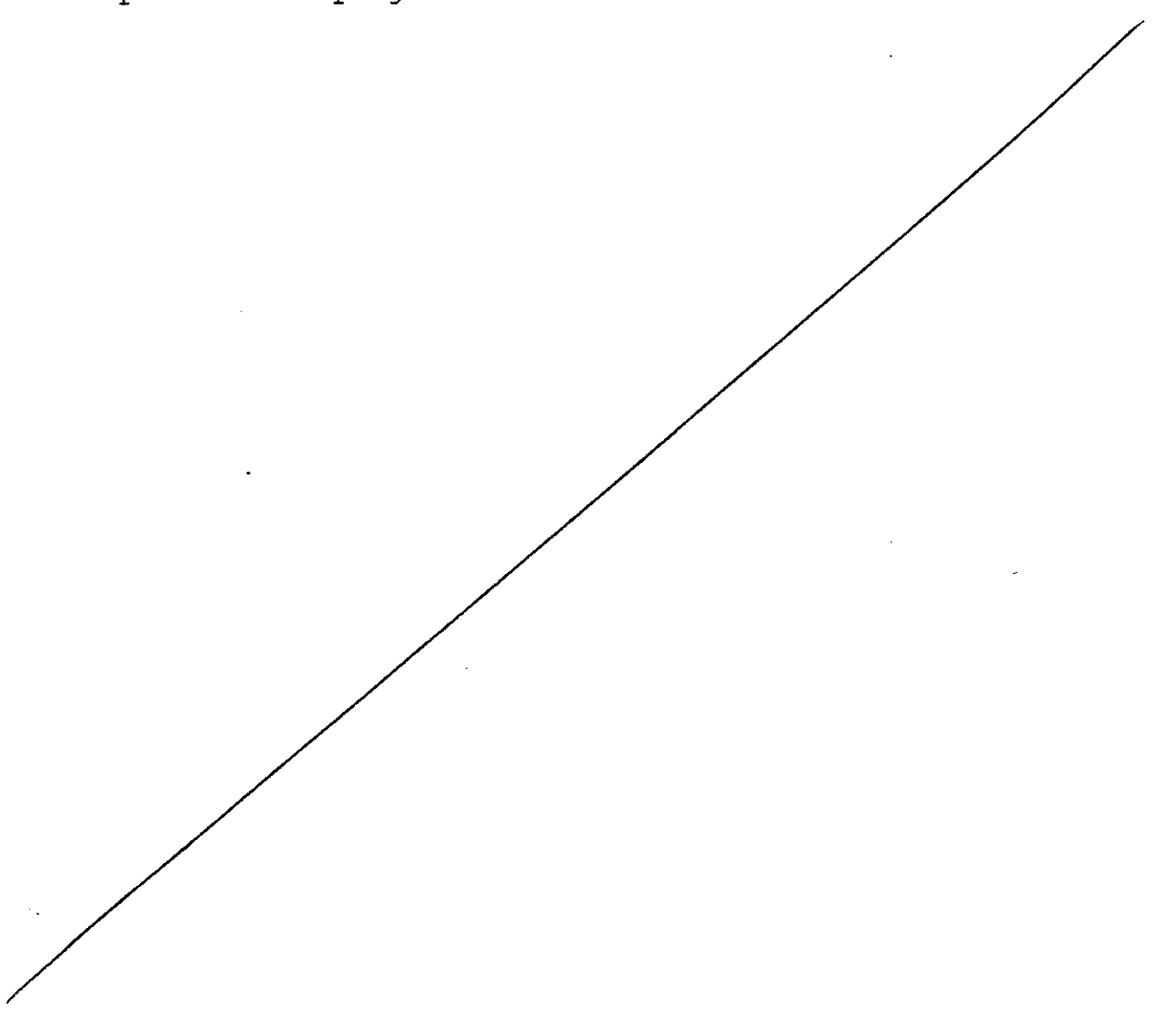
2.08 Distribution of Construction Fund.

Upon completion of the construction of the East Whiteland Trunk Line, East Whiteland Authority shall deliver to each party a certificate of the Consulting Engineers stating (a) the fact of such completion and (b) in reasonably itemized form, the actual project cost of constructing the East Whiteland Trunk Line (i) after deducting therefrom the unexpended contingency fund, if any, and the amount of any applicable Federal or State grants paid into Construction Fund and not previously used to reduce payments in accordance with Section 2.04 and (ii) after making appropriate adjustments in respect of net income, gain or loss from investments. If any municipality's share of the actual cost of constructing the East Whiteland Trunk Line after adjustments (i) and (ii) is less than the total amount deposited by it as required by this Agreement, the excess of such deposits shall forthwith be refunded to such municipality if no municipality, within sixty (60) days of receipt of said certificate, has requested a readjustment or audit and, in the event of such a request, shall be refunded promptly after the matter is resolved. A deficiency, if any, incurred in accordance with this Agreement shall be charged to and paid by each such municipality in said percentages and shall be due within thirty (30) days of notice to pay, and if not then paid, shall be subject to interest at the rate of six per cent (6%) per annum until paid. Prior to

completion of the East Whiteland Trunk Line, East Whiteland Authority may make one or more interim distributions on the basis of information then available, which distributions shall be subject to adjustment at the time of final distribution.

2.09 Audit of Project Cost.

The said certificate of the Consulting Engineers as to the actual project cost of constructing the East Whiteland Trunk Line and the records from which it is compiled shall be audited by a certified public accountant selected by East Whiteland Authority and the expense of such audit shall constitute part of the project cost.



ARTICLE III

DELIVERY AND ACCEPTANCE OF SEWAGE

3.01 Delivery.

Malvern Authority, at its own expense, shall during the term of this Agreement cause all sewage emanating from The Borough of Malvern to be discharged into East Whiteland Trunk Line. Except as permitted pursuant to Article VII hereof, Malvern Authority shall not exceed the capacity reserved by it.

3.02 Acceptance.

Malvern shall commence delivering its sewage to the East Whiteland Trunk Line as soon as practicable after (a) the East Whiteland Trunk Line is sufficiently complete to provide service (as certified by the Consulting Engineers engaged by East Whiteland Authority) and (b) the Valley Creek Trunk Sewer is sufficiently complete to provide service (as certified by the Consulting Engineers engaged by Treddyffrin Authority) and (c) the treatment plant to be constructed by Valley Forge Sewer Authority to receive and treat the aforesaid sewage is sufficiently complete to provide service (as certified by the consulting engineers engaged by Valley Forge Sewer Authority in respect of the design and construction of said treatment plant). East Whiteland Authority, as soon as practicable after the East Whiteland Trunk Line and the Valley Creek Trunk Sewer and the aforesaid treatment plant are sufficiently complete to provide service as so certified, shall permit connections at the locations that East Whiteland Authority may agree to, which agreement may not be unreasonably withheld and shall accept sewage for conveyance to the aforesaid treatment plant subject to the terms and conditions herein set forth.

ARTICLE IV

OPERATING EXPENSES OF THE EAST WHITELAND TRUNK LINE

4.01 Proportion.

The Borough of Malvern and the Township of East Whiteland (which Borough and Township in this Article IV are referred to as "said municipalities") shall share the operating expenses of the East Whiteland Trunk Line (as defined in Section 4.06) as follows: The proportion that the volume of sewage (determined as hereinafter provided and by other agreement of the parties) emanating from each such municipality and discharged into the several sections or reaches of the interceptor or trunk sewer, constituting the East Whiteland Trunk Line bears to the total volume of sewage discharged by both of said municipalities into such sections or reaches shall be used in calculating the amount that each such municipality shall pay for sewage conveyance services. Operating expenses of the East Whiteland Trunk Line for the first two years of operation shall be paid as set forth in Section 4.13 hereof.

4.02 Estimates of Volume of Sewage.

In order to provide East Whiteland Township with working capital for payment of operating expenses of the East Whiteland Trunk Line, at least one hundred twenty (120) days prior to the end of the first two years of operation of the East Whiteland Trunk Line each said municipality shall supply or cause to be supplied to East Whiteland Authority an estimate of the volume of sewage to be discharged from its sewage collection system into the East Whiteland Trunk Line during the next succeeding calendar Year (or portion of a calendar year remaining after the end of the first two years of operation).

4.03 Estimated East Whiteland Trunk Line Operating Expenses.

Within sixty (60) days after receipt of the estimates provided under the preceding section, East Whiteland Township shall prepare, subject to the

approval of its consulting engineers, and furnish to Malvern, a budget setting forth (a) the estimated annual operating expenses of the several sections or reaches (including at least ten percent (10%) for contingencies) and (b) the share of each said municipality of such operating expenses (the share of each said municipality being an amount which is in the same ratio to the total of such expenses as the estimated volume of sewage from such municipality discharged in the several sections or reaches of the East Whiteland Trunk Line is to the total estimated volume of sewage from both of the said municipalities so discharged or served). If at any time it appears on the basis of past or current meter readings that the estimate of Malvern is substantially inaccurate, East Whiteland Township may revise said estimate based on such past or current meter readings and Malvern shall promptly make payments in accordance with the revised estimate.

In the event of an unusual contingency, an upward revision of the budget may be made by East Whiteland Township with the approval of Malvern, which approval shall not be unreasonably withheld; provided, however, that the budget may be exceeded without such prior approval in an emergency directly affecting the operation of the East Whiteland Trunk Line and certified by the consulting engineers engaged by East Whiteland Authority or East Whiteland Township to require immediate action. Each such municipality shall make payments in accordance with the revised budget within sixty (60) days of receipt of notice thereof. In the event a municipality is not able legally to obtain funds with which to pay all of its share of the budget increase, any unpaid amount shall be paid by it in the following year together with interest at the rate of six percent (6%) per annum until paid.

4.04 Payments on account of Estimated Operating Expenses.

On or before each January 1, April 1, July 1 and October 1 during the term of this Agreement, Malvern shall pay to East Whiteland Township (out of legally available current revenues and from sewer rentals) one quarter (1/4) of its share of the estimated annual operating expenses of the East Whiteland Trunk Line as determined in accordance with the preceding section (prorated if the two-year period referred to in Section 4.01 ends during rather than at the start of a quarter). Amounts not paid when due shall be subject to interest in the amount of six percent (6%) per annum of the amount due. Said interest shall be due from time to time upon the receipt of invoices from East Whiteland Township. In the event of a default in payment under this Section, East Whiteland Township may borrow all or part of the amount of such payment due hereunder and may use such interest to pay, or reimburse itself for paying, interest on such borrowed funds. Interest not so used shall be treated as a deduction under Section 4.07 hereof in determining actual annual operating expenses of the East Whiteland Trunk Line.

East Whiteland Township shall deposit all moneys delivered by all parties to it pursuant to this Article, together with the East Whiteland Township's share and all amounts received in payment of Federal and State contributions or grants in aid to be applied towards any cost of operation, maintenance, repair, replacement or other expenses relating to the East Whiteland Trunk Line, in a special East Whiteland Trunk Line Operating Fund (hereinafter called "Operating Fund"). Such Operating Fund moneys shall be invested by East Whiteland Township and to the extent not insured by the Federal Deposit Insurance Corporation or other Federal Agencies, or invested as hereinafter provided shall be continuously secured by the pledge of direct obligations of the United States of America or the Commonwealth of Pennsylvania having an aggregate market value (exclusive of accrued interest) at all times at least equal to the amount of such moneys.

Such moneys may be wholly or partially invested by said Township subject to the same limitations set forth in Section 2.05. Any securities so purchased shall be a part of the Operating Fund. The interest and income received from time to time upon investments and any profit realized or loss sustained from the sale of such securities shall be added to or charged to the Operating Fund and such interest, income, profit or loss shall be considered in determining the actual annual operating expenses of the East Whiteland Trunk Line pursuant to Section 4.06 hereof.

4.05 Annual Statement.

Within one-hundred twenty (120) days of the close of each calendar year, East Whiteland Township shall cause to be prepared and submitted to each of said municipalities a detailed statement, certified by a certified public accountant engaged by East Whiteland Township, showing the actual annual operating expenses of the East Whiteland Trunk Line (as defined in the next succeeding Section) and the apportionment of the cost among the said municipalities on the basis of Section 4.01.

4.06 Actual Annual Operating Expenses of the East Whiteland Trunk Line.

"Actual annual operating expenses of the East Whiteland Trunk Line" shall mean the sum of the costs referred to in subsections (a) through (f) hereof minus the deductions referred to in Section 4.07 hereof:

(a) All the actual reasonable expenses and costs of the adequate proper operation, maintenance and repair of the East Whiteland Trunk Line as the same may be constituted from time to time, determined in accordance with sound accounting practices and shall include, without limiting the generality of the foregoing, salaries and wages of operating, supervisory and administrative personnel directly charged to the operation, maintenance and repair of the East Whiteland Trunk Line (but in the event such personnel are also engaged in other activities of a municipality, shall include only that proportion of such salaries

and wages as is properly allocable to such operation, maintenance and repair on the basis of time spent or services performed); pensions, social security or unemployment taxes; chemicals; power; taxes (if any); insurance; administrative expenses; materials and supplies; maintenance; and repairs, improvements and betterments (including ordinary or routine repairs and replacements but not extra-ordinary replacements or additions of a capital nature which latter shall be treated in the manner provided for expansion in Section 7.02, except to the extent that Article VIII shall apply);

(b) The fees and expenses of the Consulting Engineers employed by East Whiteland Township concerning the operation, maintenance and repair of the East Whiteland Trunk Line and in preparing reports and determinations required by this Agreement;

(c) The fees and expenses of the certified public accountant engaged by East Whiteland Township to prepare the annual statement;

(d) Interest paid by East Whiteland Township pursuant to Section 4.04 hereof;

(e) The cost of that portion of the bond of the Treasurer and other officers or employees of East Whiteland Township attributable to his or their duties in connection with East Whiteland Trunk Line, under sound accounting practices; and

(f) Reasonable expenses of East Whiteland Township in providing service pursuant to this Agreement and attributable to the East Whiteland Trunk Line under sound accounting practices.

4.07 Deductions.

Any Federal or State contributions or grants in aid received by any party which is to be applied towards any cost of operation, maintenance, repair, replacement or other expenses relating to the East Whiteland Trunk Line shall be

paid to East Whiteland Township and shall be deducted in determining actual annual operating expenses of the East Whiteland Trunk Line. Interest properly allocable thereto pursuant to Section 4.04 and interest earned by East Whiteland Township on funds deposited in the Operating Expense Fund pursuant to Section 4.03 or Section 4.13 shall be deducted in determining such actual operating expenses.

4.08 Refunds of Additional Payments.

If any such municipality's share of the actual annual operating expenses of the East Whiteland Trunk Line is less than (or more than) the total amount paid by it under this Article in such calendar year, the excess shall forwith be refunded to such municipality (or the deficiency shall forthwith be paid by it) if no municipality within sixty (60) days of receipt of an annual statement has requested arbitration in accordance with Article IX and in the event of such a request, any excess (or deficiency) shall be refunded (or paid) within thirty (30) days after the matter is resolved. Amounts not paid when due shall be subject to interest at the rate of six percent (6%) per annum of the amount due and shall be subject to the provisions concerning interest of Section 4.04 hereof.

4.09 Use of Funds.

East Whiteland Township agrees that payments made by the said municipalities to East Whiteland Township on account of its share of operating expenses of the East Whiteland Trunk Line shall be applied only for the payment of actual operating expenses as defined in Section 4.06, subject to Section 4.07, and that such payments shall not be applied toward the payment of any other obligations or East Whiteland Township.

4.10 Books of Account.

In order that expenses of East Whiteland Township which are not properly allocable to the construction or operation of the East Whiteland Trunk Line shall

not be charged thereto, East Whiteland Township shall keep separate books of account for the operation of its collection system and for the East Whiteland Trunk Line or such books of account and other records which would readily permit such allocation. Said books and records shall be available for inspection by the municipalities at all times.

4.11 Sewer Rentals.

To insure the availability of current revenues adequate to meet its obligations under this Agreement, each said municipality shall impose and collect annual sewer rentals in an aggregate amount sufficient, together with other legally available funds, to equal (a) all sums payable by it to East Whiteland Township during the then current calendar year under this Agreement and (b) all sums payable by it to any other person, firm, corporation, municipality or municipality authority during the then current calendar year for or in respect to sewer purposes.

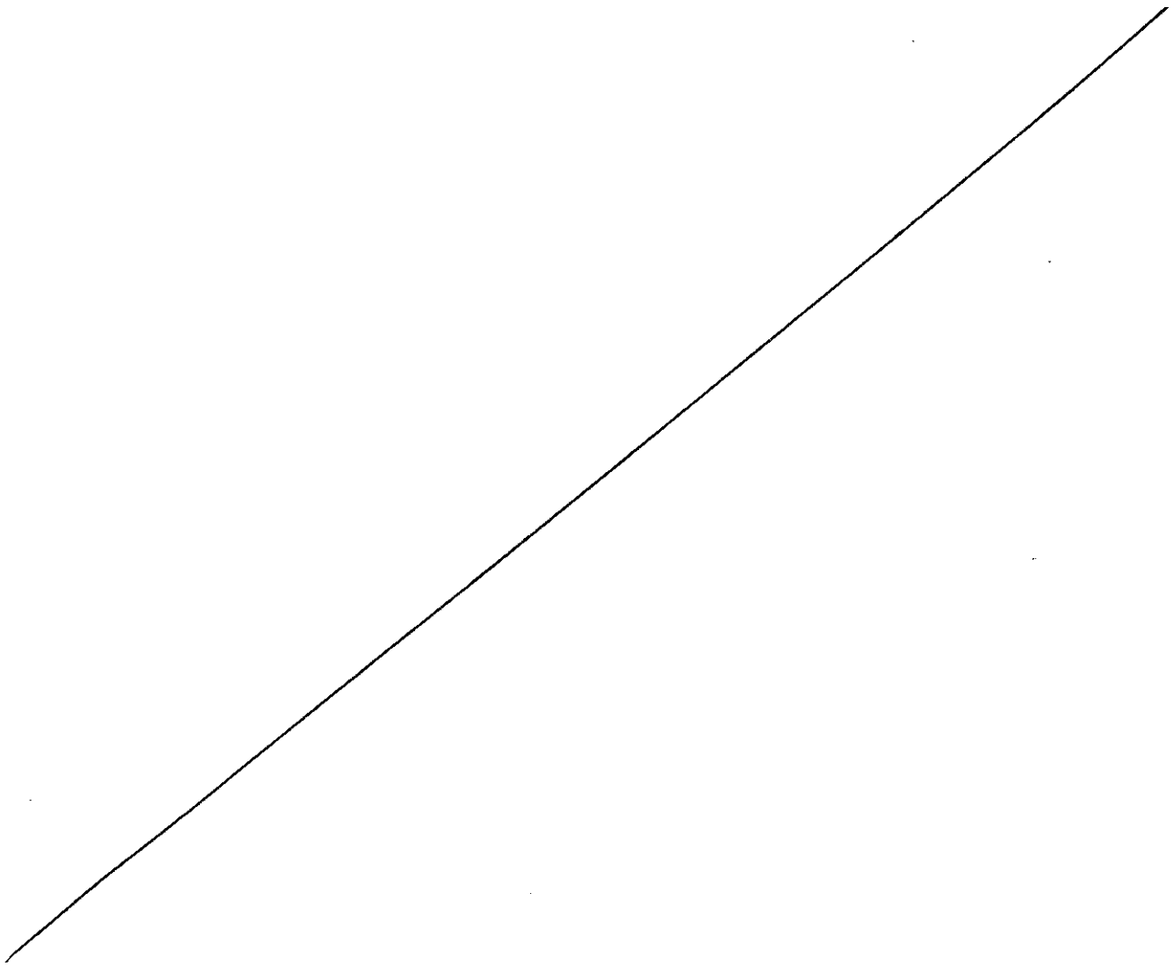
4.12 Commencement of Discharge into East Whiteland Trunk Line.

Each party shall make every reasonable effort to be ready to begin to discharge sewage into the East Whiteland Trunk Line by the time it and the Valley Creek Trunk Sewer are ready to receive sewage, and the aforesaid Valley Forge Treatment Plant is ready to treat and dispose of sewage.

4.13. Operating Expenses for the First Two Years.

Each such municipality set forth in Exhibit B shall pay to East Whiteland Township its share of the estimated operating expenses of the East Whiteland Trunk Line for the first two years of operation set forth after its name in Exhibit B (on the basis of reserved capacity) within thirty (30) days of receipt of the Certificates of the Consulting Engineers engaged by East Whiteland Authority, Tredyffrin Authority and Valley Forge Sewer Authority provided in Section 3.02. Said operating expense moneys for the first two years of operation shall be deposited in an Operating Expense Fund in the name of East Whiteland

Township separate and apart from any other fund of such Township. Investment of such moneys by East Whiteland Township shall be made subject to the same limitations set forth in Section 2.05 hereof. Within one hundred twenty (120) days of the close of said first two years of operation, East Whiteland Township shall cause a certified public accountant to prepare and submit to each participating municipality a detailed statement showing the actual annual operating expenses of the East Whiteland Trunk Line (as defined in Sections 4.06 and 4.07 hereof) and the apportionment of the cost among the said municipalities on the basis of reserved capacities as set forth in Exhibit B hereof. If at the end of the second year of operation the amount deposited hereunder by any municipality differs from the amount due, refunds or additional payments shall be made pursuant to Section 4.08 hereof.



ARTICLE V

QUALITY OF SEWAGE

5.01 General.

The sewage discharged directly or indirectly into the East Whiteland Trunk Line by any municipality or municipality authority shall be within the maximum limits presented below or pretreated to within the limits of Section 5.04.

5.02 Acceptability Standards.

After consultation with Valley Forge Sewer Authority, East Whiteland Township shall from time to time establish acceptability standards for sewage and industrial waste entering the collection system of any municipality or municipality authority and discharging directly or indirectly into the East Whiteland Trunk Line for the purpose of prohibiting materials or characteristics which would be deleterious to the East Whiteland Trunk Line, Valley Creek Trunk Sewer or to the Valley Forge Treatment Plant or the treatment process, which standards shall be reasonable and similar to standards imposed with regard to similar facilities and shall not be higher or more restrictive than those imposed by Valley Forge Sewer Authority. No municipality or municipality authority shall permit discharge directly or indirectly into the East Whiteland Trunk Line of any sewage or waste so certified to be deleterious, but such certification shall not preclude the municipality or municipality authority from contesting the reasonableness of such determination.

Subject to the foregoing, all municipalities and municipality authorities agree to enact or adopt or cause to be enacted or adopted uniform ordinances, resolutions, rules or regulations to prohibit users of the respective collection systems serving such municipalities and municipality authorities from discharging substances failing to meet such acceptability standards and to require all pre-treatment of sewage or other waste necessary to require the same to conform to the

acceptability standards and agree to take all necessary steps in the design and construction of the collection systems and in the subsequent maintenance and operation thereof (including the exercise of appropriate inspection of and control over building connections) to prevent infiltration of storm water and other improper substances into the collection systems.

5.03 Sampling Manholes.

For the purpose of determining the characteristics of sewage or wastes, each municipality or municipality authority shall install or cause to be installed a sampling manhole at the point of discharge at the property of any user which the consulting engineer of such municipality or municipality authority considers capable of discharging sewage or wastes not meeting any of such acceptability standards.

5.04 Industrial Wastes.

In order to control admission of industrial wastes, no party to this Agreement shall permit any industrial user to connect to or discharge into its collection system any waters or wastes other than sanitary waste without the prior review and approval of the consulting engineers and the consulting engineers of Valley Forge Sewer Authority. The consulting engineers' review (until such time as the following acceptability standards are amended in accordance with Section 5.02 hereof) shall be based on, but not limited to, the following standards:

Waste Characteristics to be Considered

Characteristics of the industrial waste shall not be in general in excess of those listed below:

(1) The 5-day 20 deg. centigrade B.O.D. (bio-chemical oxygen demand) shall not exceed 250 ppm.

(2) The suspended solids content shall not exceed 300 ppm.

(3) The total solids content shall not exceed 1,100 ppm.

(4) The PH shall not be less than 6.0 nor shall it exceed 9.0.

(5) The temperature shall not exceed 150° F.

(6) The color shall not be such as to require special treatment to render the effluent acceptable for discharge into the Schuylkill River.

(7) The waste shall not contain greases and oils, inflammable material, non-biodegradable materials or any oxygen scavengers, sufficient in quantity to be injurious to the treatment plant or interfere with any treatment process or to constitute a hazard to human or animal life.

(8) The waste shall not contain any solid or viscous material capable of causing obstruction to the flow in the sewers, or at the Valley Forge Treatment Plant or any material capable of causing interference with the proper operation of the East Whiteland Trunk Line, The Valley Creek Trunk Sewer or the Valley Forge Treatment Plant.

Where required, in the opinion of the consulting engineers, the user shall provide at his expense such preliminary treatment or handling as may be necessary to modify the objectionable characteristics or control the quantities and rates of discharge of such water or wastes as necessary.

Plans, specifications, and any other pertinent information relating to proposed preliminary treatment or handling facilities shall be submitted for review to Valley Forge Sewer Authority and no construction of such facilities shall be commenced until a permit for the connection is obtained in writing from Valley Forge Sewer Authority. A copy of each such permit shall be furnished to East Whiteland Township.

In order to insure quality compliance and to reduce the possibility of accidental discharges of wastes not conforming, each municipality and municipality authority shall sample, test or otherwise examine industrial wastes as often as reasonably necessary to insure quality compliance.

5.05 Combined Sewage and Industrial Wastes.

In order to control the sewage entering, Valley Forge Sewer Authority will sample the discharge from each municipality or municipality authority period-

ically to insure that no characteristic is evident which would be deleterious to the East Whiteland Trunk Line, the Valley Creek Trunk Sewer or the Valley Forge Treatment Plant or the treatment process.

The characteristic of each combined sewage and industrial waste discharge shall not be in excess of those listed under Section 5.04 except that the temperature of the combined discharge shall not exceed 100° F. Each municipality or municipality authority shall provide facilities to prevent the occurrence of septic conditions in the East Whiteland Trunk Line.

Should Valley Forge Sewer Authority find either the BOD or suspended solids characteristics exceeded as determined in the tests on the periodically obtained samples, the potentially offending municipality or municipality authority shall be notified of the findings and requested to examine the conditions. If at the end of a quarter Valley Forge Sewer Authority determines that the discharge from the municipality or municipality authority is in excess of the characteristics as determined by average test results by periodic sampling, the suspected offender shall be given written notice that its discharge is in excess and that a comprehensive sampling and testing program will be undertaken by Valley Forge Sewer Authority to verify the non-compliance and to notify that steps should be taken to rectify the problem.

If, at the end of the quarterly comprehensive test program the problem has not been rectified, a penalty charge as provided in Section 5.06 will be added to that quarter's billing and until the situation is shown to be corrected.

Should Valley Forge Sewer Authority find any of the additional characteristics to be in excess or to find the presence of any other untested deleterious material in the course of periodic sampling and testing the potential offending municipality or municipality authority shall be given notice to take immediate steps to rectify the problem.

ARTICLE VI

DETERMINATION OF QUANTITY OF SEWAGE DISCHARGED INTO THE EAST WHITELAND TRUNK LINE

6.01 Meters or Measuring Devices.

In order to measure in gallons the quantity of sewage emanating from the Borough of Malvern and the Township of East Whiteland, which is discharged into the various sections or reaches of the interceptor or trunk sewers of the East Whiteland Trank Line, each of said municipalities shall each, at its expense, construct or cause to be constructed, where feasible, a sewage meter or sewage flow measuring device at each point necessary to determine the volume of sewage emanating from the Borough of Malvern and the Township of East Whiteland, discharged into the East Whiteland Trunk Line. The above sewage meters and related equipment such as recorders and charts shall be as mutually agreed upon by the Consulting Engineers and the consulting engineers of Valley Forge Sewer Authority and of said municipalities. All metering stations shall provide facilities for sampling the sewage.

6.02 Calibration and Readings.

All meters or measuring devices constructed or installed by Valley Forge Sewer Authority, the Borough of Malvern and the Township of East Whiteland, shall be calibrated by Valley Forge Sewer Authority at least once each year and, if requested by East Whiteland Township, shall be checked at other times as a cost of operating the Valley Forge Treatment Plant. All readings of each such municipality or municipality authority's meter or measuring device shall be performed by a representative of said municipality, of Valley Froge Sewer Authority and of East Whiteland Township. Meters or measuring devices shall be read or examined on the date each municipality or municipality authority first connects and on the first day of each quarter of each year during the term of this Agreement

to determine the quantity of sewage emanating from each municipality or area served by a municipality authority for the previous quarterly period or portion thereof. Copies of meter readings or measuring device examinations shall forthwith be delivered to each municipality and to Valley Forge Sewer Authority and to East Whiteland Township.

6.03 Maintenance and Operation.

All meters and measuring devices used for the purpose of determining flows into the Valley Creek Trunk Sewer and used for billing purposes will be routinely serviced and inspected by Valley Forge Sewer Authority as a part of the treatment plant operating expense. Valley Forge Sewer Authority shall undertake to have an inoperative or inaccurate meter or measuring device repaired as soon as practicable with the cost of such repair being charged back to the owner. Valley Forge Sewer Authority shall not be obligated to provide service to any devices other than the primary metering element, recorders, transmitters and other instruments. Each municipality or municipality authority shall, at its own expense, be responsible for all other maintenance and operation of its sewage metering facilities.

6.04 Missing or Inaccurate Flow Records; Use of Equivalent Dwelling Units as Measurement of Flow.

In the case of missing flow records due to faulty meter registration or otherwise, an estimate of flows shall be made by the Consulting Engineers for the purpose of determining volume of sewage discharges. This estimate will be based on a valuation of past flow records as applied to the then existing conditions and as reviewed and approved by the Consulting Engineer of the respective municipality or municipality authority.

In the absence of meter readings during the early period of low flows, when the sewage recording meters may not register the flow, or where meters

cannot practically be installed, flow quantities shall be determined on the basis of the average number of Equivalent Dwelling Units (upon the basis of a discharge rate of 275 gallons per Equivalent Dwelling Unit per day). The number of Equivalent Dwelling Units shall be determined at the beginning and end of each calendar quarter during the term of this Agreement based upon a certification by a responsible officer of the municipality or municipality authority as to the number of such Equivalent Dwelling Units so connected by the municipality or municipality authority at the beginning and end of each quarter and shall be averaged on the basis of the number of units so connected at the beginning and end of each such quarter. Where the initial connection of the collection system of any municipality or municipality authority is made to the East Whiteland Trunk Line after the first day of a calendar quarter, the quantity of sewage so discharged shall be based on the number of Equivalent Dwelling Units so connected at the end of such quarter prorated on the basis of the number of days in such calendar quarter that any sewage is so discharged from such municipality or municipality authority. For the purpose of determining the number of Equivalent Dwelling Units represented by schools, churches or municipal buildings, commercial or industrial establishments, etc., the factors set forth in Exhibit C shall be applied. The officials and representatives of East Whiteland Township may inspect the records of any connecting municipality or municipality authority for the purpose of determining the accuracy of the number of Equivalent Dwelling Units certified by such municipality or municipality authority.

6.05 Proportion of Flows.

The quantity of sewage discharged into the several sections or reaches of the East Whiteland Trunk Line shall be determined, with respect to each such municipality or municipality authority in the ratio that the quantity of sewage emanating from each such municipality or municipality authority (determined as

above) shall bear to the total quantity of sewage discharged into such sections or reaches of the East Whiteland Trunk Line from all municipalities and any municipality authority.

Valley Forge Sewer Authority shall undertake to prepare a complete distribution of the total volume of sewage received and metered at the sewage treatment plant during each calendar quarter and during each calendar year, with respect to each such municipality or municipality authority which discharges sewage that is treated in the Valley Forge Sewer Authority sewage treatment plant, such distribution to include all metered and unmetered sewage flows of each municipality or municipality authority.

ARTICLE VII

RENTING UNUSED CAPACITY; EXTRAORDINARY REPAIRS, RENEWALS OR REPLACEMENTS OF INTERCEPTOR OR TRUNK SEWERS; ENLARGEMENTS OR ADDITIONAL INTERCEPTOR OR TRUNK SEWERS.

7.01 Renting Unused Capacity.

Each municipality discharging from its sewage collection system into the East Whiteland Trunk Line during a calendar year a volume of sewage less than its reserved capacity, as set forth in Exhibit B shall be deemed to have been placed its unused capacity in a rental pool. Any municipality (each of which is herein called "lessee municipality") discharging sewage into the East Whiteland Trunk Line in any calendar year in excess of its reserved capacity, as set forth in Exhibit B, shall rent from the pool for the entire calendar year capacity equal to the volume by which it exceeds its reserved capacity (with the total volume discharged by it being reduced to gallons per day by dividing the total gallons discharged by it in such calendar year by 365). The annual rental fee to be paid by the lessee municipality shall be the representative annual "debt service" (calculated at equal annual payments to amortize the debt, including seven per cent (7%) interest per annum for a 25-year term) for the amount obtained by multiplying the fraction of the rated capacity of the East Whiteland Trunk Line or of any section or reach thereof rented for the current calendar year by the total of capital contributions made by all parties hereto toward the cost of providing the East Whiteland Trunk Line or such section or reach thereof as then being used. The capacity thus rented by the lessee municipality shall be rented annually by it until the next expansion of the East Whiteland Trunk Line, at which time the lessee municipality

shall surrender the capacity rented by it and shall, at its expense, replace the capacity rented by it (in each such section or reach or pumping station) so that each lessor municipality will receive back its reserved capacity placed in the pool. In no event, shall any contribution of capacity to the rental pool be construed to decrease the reserved capacity in the East Whiteland Trunk Line or any section or reach thereof of any lessor municipality.

The rental fees shall be distributed to the contributors to the rental pool in proportion to their contributions (the contribution as to each being the difference between its actual flow during the current calendar year [reduced to gallons per day] and its reserved capacity) the rental fee owed by each lessee municipality, together with the proposed distribution thereof to the lessor municipalities, shall be shown as separate items in the annual statement furnished pursuant to Section 4.05 hereof. Rental fees owed shall be paid by each municipality to East Whiteland Township within sixty (60) days of receipt of said annual statement unless arbitration has then been requested, and in such event shall be paid within thirty (30) days of the date the matter is resolved pursuant to the procedure set forth in Section 9.01. Distribution of the rental fees shall be made by East Whiteland Township promptly thereafter as provided herein.

Although rental payments shall be paid and distributed hereunder on the basis of actual flows, the total estimates of sewage to be discharged into the East Whiteland Trunk Line in a calendar year pursuant to Section 4.02 hereof, shall be used to avoid exceeding the rated capacity of the East Whiteland Trunk Line or any section or reach thereof. In the event that the total of said estimates, pursuant to Section 4.02, exceeds 90% of the rated capacity of any

section or reach of the East Whiteland Trunk Line (with the remaining 10% being used as a safeguard against underestimation), the Consulting Engineers of East Whiteland Township shall allocate the capacity in the pool (as estimated) among the municipalities estimating discharge in excess of their reserved capacities in proportion to their flows during the preceding calendar year; provided, however, that any municipality may continue to rent the number of gallons of capacity previously rented by it. No municipality shall permit any new connection to be made to its collection system or permit increased flow from any existing connection (due to construction and connection to the system of additional facilities) if so permitting might cause its volume of sewage discharged into the East Whiteland Trunk Line at peak flows during such calendar year to exceed the total of its reserved capacity and the capacity in the pool allocated to it by the Consulting Engineers of East Whiteland Township for such year.

7.02 Extraordinary Repairs, Renewals or Replacements of Interceptor or Trunk Sewers and Pumping Stations; Enlargements or Additional Interceptor or Trunk Sewers.

If, during the term of this Agreement, any interceptor or trunk sewer (or any section or reach thereof) of the East Whiteland Trunk Line used in whole or in part for the conveyance of sewage emanating from any of the municipalities (in addition to sewage emanating from East Whiteland Township) to the Valley Forge Treatment Plant shall require extraordinary repairs, renewals or replacements, each municipality and municipality authority named in Exhibit B agrees to pay or to cause to pay to the East Whiteland Authority (but only from legally available current revenues, sewer rentals available and funds which can be legally borrowed) its proportionate share of the project cost of such repairs, renewals or replacements.

The necessity for and the extent of such extraordinary repairs, renewals or replacements of any such section or reach of an interceptor or trunk sewer (with a breakdown by municipality or municipality authority) shall be determined by the Consulting Engineers engaged by East Whiteland Authority subject to the approval of the municipalities affected (which approval may be withheld only for sound engineering reasons), after consultation with the consulting engineers of each of the said municipalities and municipality authorities affected and written notice of such determination together with the Consulting Engineers' estimate of the cost thereof (with a breakdown by municipality or municipality authority) shall be given to each such municipality and municipality authority affected.

Each such municipality and municipality authority affected shall pay or cause to be paid to East Whiteland Authority the proportion of the project cost of such repairs, renewals or replacements in the proportion that the reserved capacity of such municipality or municipality authority in such section or reach of interceptor or trunk sewer shall bear to the total of the reserved capacities of all such municipality or municipality authority in such sections or reaches.

At such times as (a) eighty per cent (80%) of the rated capacity of the East Whiteland Trunk Line or any section or reach thereof is used or (b) estimates of volume under Section 4.02 exceed ninety per cent (90%) of said rated capacity or (c) in the event (i) enlargement of any interceptor or trunk sewer (or any section or reach thereof) or the construction of an additional interceptor or trunk sewer within East Whiteland Township or partly within and partly without East Whiteland Township or (iii) the enlargement of

any pumping station or the construction of an additional pumping station within East Whiteland Township is required to meet the requirements or standards prescribed by the Sanitary Water Board of the Pennsylvania Department of Health or any other governmental authority having jurisdiction. East Whiteland Authority shall construct such enlargement or additional sewer or pumping station; and each municipality and municipality authority named in Exhibit B agrees to pay East Whiteland Authority (but only from legally available current revenues, sewer rentals available and funds which can be legally borrowed) its proper proportionate share of the project cost of enlargement or additional sewer or pumping station. The necessity for the extent of such enlargement or additional sewer or pumping station (with a breakdown by municipality or municipality authority) shall be determined by the Consulting Engineers engaged by East Whiteland Authority subject to the approval of such municipalities or municipality authorities (which approval may be withheld only for sound engineering reasons), after consultation with the Consulting Engineers of each municipality or municipality authority and written notice of such determination together with the Consulting Engineers' estimate of the cost thereof (with a breakdown by municipality and municipality authority) shall be given to each municipality and municipality authority affected.

Each such municipality or municipality authority affected shall pay or cause to be paid to East Whiteland Authority the proportion of the project cost of such enlargement of or additional interceptor or trunk sewer or enlargement of or additional pumping station on the basis of the proposed increases in design capacities to be reserved for each municipality or municipality authority in such

enlarged or additional reach or section of interceptor or trunk sewer or in such enlargement of or additional pumping station. The reserved capacities shall be as set forth in Exhibit B subject to any changes in such reserved capacities as may be requested by any municipality or municipality authority. Adjustment shall be made so that each lessee municipality or municipality authority pursuant to Section 7.01 hereof bears the expense of replacing the capacity rented by it and each lessor municipality receives back its reserved capacity placed in the pool.

The project cost of the aforesaid extraordinary repairs, renewals or replacements, enlargements or additions shall be determined as hereinabove provided with respect to the construction of the several sections or reaches of the respective interceptor or trunk sewers and the pumping stations of the East Whiteland Trunk Line set forth in Article II hereof and shall be paid and accounted for in the same manner as that provided in Article II hereof. Each party authorizes and directs East Whiteland Authority on behalf of each municipality and municipality authority from time to time to apply for and accept any one or more grants in aid towards the aforesaid extraordinary repairs, renewals or replacements, enlargements or additions.

7.03 Construction Fund.

Moneys paid pursuant to Section 7.02 of this Article shall be deposited, held and disbursed pursuant to the Construction Fund provisions set forth in Article II hereof.

ARTICLE VIII

INSURANCE AND DAMAGE OR DESTRUCTION

8.01 Insurance on East Whiteland Trunk Line.

and before the start of each year during the term of this Agreement a certificate of the Consulting Engineers stating the amount and kind of such insurance in effect for the ensuing year and that the same is, in the opinion of the Consulting Engineers, in compliance with the requirements of this section.

8.02 Repair or Reconstruction with Insurance Proceeds.

In the event any damage to the facilities covered by such insurance, East White Authority, upon receipt of the necessary funds as provided for herein, shall promptly repair or replace the damaged property unless the Consulting Engineers certify that it would not be practical and advantageous to do so. It is agreed that in the absence of such a certification the proceeds of all insurance coverage to the extent necessary shall be applied to such repair or reconstruction.

8.03 Repair or Replacement not covered by Insurance Proceeds.

In the event that it shall become necessary, in order to convey sewage to the Valley Forge Treatment Plant in accordance with the purport and intent of this Agreement, to make an extraordinary repair or replacement of any section or reach of any interceptor or trunk sewer or of any pumping station constituting a part of the East Whiteland Trunk Line because of damage or destruction by casualty or otherwise, and there are insufficient funds available from insurance proceeds to pay the costs and expenses thereof, East Whiteland Authority and Malvern Authority shall forthwith pay over to East Whiteland Authority (but only from legally available current revenues, sewer rentals and borrowed funds) for deposit in a special construction fund such amount as is required for the purpose, in the same proportions and in the

and before the start of each year during the term of this Agreement a certificate of the Consulting Engineers stating the amount and kind of such insurance in effect for the ensuing year and that the same is, in the opinion of the Consulting Engineers, in compliance with the requirements of this section.

8.02 Repair or Reconstruction with Insurance Proceeds.

In the event any damage to the facilities covered by such insurance, East White Authority, upon receipt of the necessary funds as provided for herein, shall promptly repair or replace the damaged property unless the Consulting Engineers certify that it would not be practical and advantageous to do so. It is agreed that in the absence of such a certification the proceeds of all insurance coverage to the extent necessary shall be applied to such repair or reconstruction.

8.03 Repair or Replacement not covered by Insurance Proceeds.

In the event that it shall become necessary, in order to convey sewage to the Valley Forge Treatment Plant in accordance with the purport and intent of this Agreement, to make an extraordinary repair or replacement of any section or reach of any interceptor or trunk sewer or of any pumping station constituting a part of the East Whiteland Trunk Line because of damage or destruction by casualty or otherwise, and there are insufficient funds available from insurance proceeds to pay the costs and expenses thereof, East Whiteland Authority and Malvern Authority shall forthwith pay over to East Whiteland Authority (but only from legally available current revenues, sewer rentals and borrowed funds) for deposit in a special construction fund such amount as is required for the purpose, in the same proportions and in the

the same manner as that hereinabove provided under Section 7.02.

8.04 Providing Conveyance Capacity by a means other than Repair or Reconstruction of the East Whiteland Trunk Line.

In the event that proceeds of insurance resulting from damage to the East Whiteland Trunk Line are not applied to the repair or the replacement of the damaged property because the same is determined to be impractical and not advantageous (pursuant to Section 8.02 hereof) such proceeds shall be applied towards the provision of conveyance capacity pursuant to Section 7.02 hereof. In such event credit for funds so applied shall be given to the municipalities in the same proportions as capital contributions towards the project cost of the East Whiteland Trunk Line were made by each.

ARTICLE IX

ARBITRATION

9.01 Arbitration as the Charges provided in Articles II and IV.

In the event any disagreement shall arise concerning the charges provided in Articles II and IV and the parties cannot otherwise promptly resolve the same, such disagreement shall be submitted within ten (10) days of the time any party requests arbitration to a certified public accountant appointed by method agreed upon by the parties. In the event of failure to agree upon such an arbitrator within ten (10) days, an arbitrator shall be appointed by the Senior Judge of the Court of Common Pleas of Chester County available at the time when the Authority or any of the parties request appointment of an arbitrator. The decision of the accountant or arbitrator so chosen shall be binding and rendered within twenty (20) days. Any request for arbitration shall be made within sixty (60) days after receiving a certificate under Section 2.08 or a statement under Section 2.10,

Section 4.05 or Section 4.13, and if no such request is made the certificate or statement shall be considered correct and not subject to future questions. The fee of such certified public accountant or arbitrator shall be an operating expense of the East Whiteland Trunk Line.

9.02 Arbitration by Board of Arbitrators.

In the event any disagreement shall arise as to the interpretation of any provisions hereof or the rights and obligations of the parties hereunder (other than disagreements provided for in Section 9.01) and the parties cannot otherwise promptly resolve the same, such disagreement shall be submitted within ten (10) days of the time any party request arbitration to a Board of Arbitrators whose decision shall be binding and shall be rendered within twenty (20) days. Such Board shall consist of the Consulting Engineers appointed by East Whiteland Authority, a firm of consulting engineers selected by the other parties to this Agreement and a third professional engineer licensed in Pennsylvania selected by the Consulting Engineers appointed by East Whiteland Authority and by said other parties; provided, however, that East Whiteland Authority and the other parties to this Agreement may agree to select arbitrators other than engineers or may agree to submit the matter to a single arbitrator. In the event of failure of said engineers to agree upon a third engineer or arbitrator, the same shall be appointed in the manner set forth in Section 9.01 hereof. The fees of all arbitrators shall be an operating expense of the East Whiteland Trunk Line.

ARTICLE X

MISCELLANEOUS PROVISIONS

10.01 Operation of East Whiteland Trunk Line.

East Whiteland Township agrees that it will, for and during the term of this Agreement by use of funds provided hereunder, operate and maintain the East Whiteland Trunk Line and that it will keep the same in good order and repair, save where prevented from doing so by act of God or riot, rebellion, sabotage, act of the public enemy or public calamity in which event East Whiteland Township may suspend operation of the East Whiteland Trunk Line until the cause of such suspension shall no longer exist and for such reasonable time thereafter as may be required to effect a resumption of operations. Neither East Whiteland Authority nor East Whiteland Township shall at any time or under any circumstances be liable to any party for damages in case of failure or inadequacies of the East Whiteland Trunk Line or the Valley Creek Trunk Sewer, or the Valley Forge Treatment Plant to receive, convey, treat or dispose of sewage.

10.02 Operation of Collection Systems.

Each party agrees that during such time as it operates a sewage collection system it will continuously operate and keep and maintain its collection system at all time in first-class repair, order and efficient operating condition and will meet the standards prescribed by the Sanitary Water Board of the Pennsylvania Department of Health or any other governmental authority having jurisdiction. Each party agrees to pay the cost of any damage to the East Whiteland Trunk Line or fine imposed upon East Whiteland Authority or East Whiteland Township resulting from discharge of improper sewage from such party's collection system in violation of this Agreement or

from improper operation or maintenance of such party's collection system. Each party agrees to indemnify and save harmless all of the other parties against all costs, losses or damage on account of any injury to persons or property occurring in the performance of this Agreement due to the negligence of such party or its servants, agents or employees.

10.03 Leases.

In the event that any municipality authority shall at any time lease its collection system to a municipality, any right or obligation of such authority under this Agreement may be exercised and shall be performed, as the case may be, by the municipality instead of the municipality authority to the extent that it may legally do so. When, by reason of the termination of any collection system lease, or for any other reason, any municipality authority shall be in possession of its collection system, then without any further act or agreement such municipality authority shall succeed to and become vested with all of the rights, powers, duties and obligations under this Agreement granted to or imposed upon the municipalities which created such authority.

10.04 Public Utility Law.

In the event that the Commonwealth of Pennsylvania should subsequently lawfully confer jurisdiction of the subject matter of this Agreement upon the Pennsylvania Public Utility Commission in whole or in part, the parties shall, if requested so to do, proceed forthwith to obtain all necessary power, right and authority from the said Public Utility Commission or such other proper agency of such Commonwealth in order to carry out the terms, provisions and intendment hereof.

10.05 Permits.

In the event that it may be necessary for the proper performance of this Agreement on the part of the East Whiteland Authority or East Whiteland Township to apply to any governmental or other agency for any permit or license to do or perform any act or thing contemplated hereby, and if such application must be made by a municipality rather than by the East Whiteland Authority or East Whiteland Township, the municipality affected agrees that it will execute the required application upon request by the East Whiteland Authority or East Whiteland Township, it being understood that in executing such application the municipality shall not assume any obligations both those for which it would have been responsible had East Whiteland Authority or East Whiteland Township made the said application.

10.06 No Joint Liability.

With the exception of a municipality and a municipality authority organized by such municipality, no party shall be held to be jointly liable in the event of failure of any party to perform and discharge its obligations under this Agreement, it being the intent hereof that this shall constitute the separate agreement of each of the parties named herein and default by any party in the discharge of any obligation resting upon it hereunder, shall not relieve any party from full performance of and compliance with the terms hereof.

10.07 Connections.

Prior to the completion of construction of the Valley Forge Treatment Plant, the Valley Creek Trunk Sewer and the East Whiteland Trunk Line, the Borough and each Township which is a party

hereunder will (to the extent it has not done so prior thereto) take all action which may be legal and necessary to compel all properties located within its territorial limits and then capable or thereafter becoming capable of being served by the municipality's collection system to be connected therewith.

10.08 Records.

Each party agrees to make available at all reasonable times to the parties to this Agreement and their employees, agents and representatives, access to all records relating to matters covered in this Agreement and access to the physical facilities of each party in order to assure compliance with the terms and conditions of this Agreement. A copy of all ordinances, resolutions, rules and regulations adopted by each party from time to time, pursuant to this Agreement, shall be furnished to East Whiteland Authority within thirty (30) days after enactment.

10.09 Severability.

Should any one or more of the provisions of this Agreement for any reason be held illegal or invalid, such illegality or invalidity shall not affect any other provision of this Agreement; and this Agreement shall, in such circumstances, be construed and enforced as if such illegal or invalid provision had not been contained herein.

10.10 Term.

This Agreement shall become effective upon its execution and delivery by all the parties hereto and shall remain in effect for forty years and thereafter shall be terminated only by mutual agreement of all parties.

10.11 Definitions.

The following terms and phrases shall have the meanings hereinafter set forth whenever such terms and phrases are used herein:

(a) "Consulting Engineers" means Roy F. Weston, Inc., and in the event said firm ceases to serve as the Consulting Engineers for East Whiteland Authority, an engineering firm or professional engineer having a favorable repute for skill and experience in the construction and operation of sewage treatment plants, registered in Pennsylvania and chosen by East Whiteland Authority.

(b) "Equivalent Dwelling Unit" shall mean any room, group of rooms, house trailer or other enclosure occupied or intended for occupancy as separate living quarters by a family or other group of persons living together or by persons living alone.

(c) "Industrial Uses" means any improved property used, in whole or in part, for manufacturing, processing, cleaning, laundering or assembling any product, commodity or article or from which any process waste, as distinct from sanitary sewage, is discharged.

(d) "Industrial Wastes" means any and all wastes discharged from an industrial establishment or by an industrial user, other than sanitary sewage.

(e) "Sewage", "Wastewater", "Sanitary Sewage" and "Sanitary Waste" means normal water-carried household and toilet wastes from any improved property and is limited to sewage permitted by Article V hereof and industrial wastes to the

extent permitted by Article V.

(f) "Improved Property" means any property upon which there is erected a structure intended for continuous or periodic habitation, occupancy or use by human being or animals and from which structure sanitary sewage and/or industrial wastes shall be or may be discharged.

(g) "pH" means the logarithm of the reciprocal of the concentration of hydrogen ions, expressed in grams per liter of solution, indicating the degree of acidity or alkalinity of a substance.

(h) "B.O.D." means biochemical oxygen demand.

10.13 Valley Forge Sewage Treatment Plant Agreement.

Should any of the provisions of this Agreement conflict or be inconsistent with provisions contained in the Valley Forge Sewage Treatment Plant Agreement, to which the parties hereto are signatories, the provisions of the latter shall supersede the provisions of this Agreement.

10.14 Execution.

This Agreement may be executed in any number of counterparts each of which may be deemed an original.

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be executed and attested by its proper officers, pursuant to the proper action of its governing body, as of the day and year first above written.

EAST WHITELAND MUNICIPAL AUTHORITY

(AUTHORITY SEAL)

By _____
Chairman

Attest:

By _____
Secretary

TOWNSHIP OF EAST WHITELAND

(Township Seal)

Attest:

BY: _____
Chairman, Board of Supervisors

By: J. Donald Reimensnyder
Secretary

MALVERN MUNICIPAL AUTHORITY

(Authority Seal)

Attest:

By: _____
Secretary

BY: _____
Chairman

BOROUGH OF MALVERN

(Borough Seal)

Attest:

By: _____
Secretary

BY: _____
President of Borough Council

VALLEY FORGE SEWER AUTHORITY

(Authority Seal)

Attest:

By: _____
Secretary

BY: _____
Chairman

RIGHT-TO-KNOW RESPONSE FROM VALLEY FORGE SEWER AUTHORITY

Valley Forge Sewer Authority

Standard Right-to-Know Record Request Form

333 Pawling Road, Phoenixville, PA 19460; Right-to-Know Officer: Deborah A. Bingham; phone: 610-935-1553; fax: 610-983-9684; email: bingham@vfsa.com.
Web page: www.vfsa.com

DATE STAMP HERE

Five (5) day business day period expiration: _____

Request Submitted by: Email_X_ US Mail___ FAX___ In-person___

Name of Requestor: Susan Posternock

Street Address: 1500 Market Street West, Suite 3400

City/State/Zip + County (Required): Philadelphia, PA 19102

Telephone : 215-665-3007 Fax: 215-665-3165

Description of Specific Records Requested:

Please see attached letter.

Method(s) of delivery: (please circle one) pickup/mail/email/fax

---

This section for agency completion

Date Approved:_____ Date Denied: _____

# of pages produced:_____ Postage:_____Fax:___

Total Cost_____ Date Completed:_____ Date Mailed:_____

Staff member completing request:_____

Susan Posternock
Research Librarian
Direct Dial: 215.665.3007
Susan.Posternock@obermayer.com
www.obermayer.com

Obermayer Rebmann Maxwell & Hippel LLP
Centre Square West
1500 Market Street | Suite 340
Philadelphia, PA 19102-2101
P: 215.665.3000
F: 215.665.3165

September 14, 2021

Deborah A. Bingham
Right-to-Know Officer
Valley Forge Sewer Authority
333 Pawling Road
Phoenixville, PA 19460

RE: Right-to-Know Request

Office Manager Bingham,

On behalf of Thomas Wyatt, Esquire, I am submitting this Right-to-Know request seeking a copy of the following document:

1. **February 1, 1971 East Whiteland Trunk Line Agreement** between East Whiteland Municipal Authority, the Township of East Whiteland, Malvern Municipal Authority, the Borough of Malvern, and Valley Forge Sewer Authority, including all exhibits and signature pages

Electronic delivery is preferred, if possible. Please let me know if there are costs associated with fulfilling this request and, if so, how I can go about remitting payment. Feel free to contact me via phone at (215) 665-3007 or email at susan.posternock@obermayer.com with questions or concerns related to this request.

Regards,
Susan Posternock

From: Deb Bingham
Sent: Friday, September 17, 2021 11:55 AM
To: Posternock, Susan
Subject: Right-to-Know Request 1971 East Whiteland Agreement
Importance: High

Good morning:

I have sent over to you under separate email a “drop box” file with the 1971 East Whiteland Agreement. Please confirm you received it.

Thanks. Deb Bingham

Deborah A. Bingham
Office Manager/Open Records Officer
Valley Forge Sewer Authority
333 Pawling Road, Phoenixville, PA 19460
phone: 610-935-1553, ext. 222; fax: 610-983-9684
bingham@vfsa.com

"Please think before you print"

Rev.
2/10/71

copy for Dr. Weintraub.
to keep

EAST WHITELAND TRUNK LINE AGREEMENT

THIS AGREEMENT, dated as of the first day of February, 1971, by and between EAST WHITELAND MUNICIPAL AUTHORITY (East Whiteland Authority), a municipal authority organized by the Township of East Whiteland and operating under the provisions of the Municipality Authorities Act of 1945, the Act of May 2, 1945, P.L. 382, its supplements and amendments, and the TOWNSHIP OF EAST WHITELAND (East Whiteland Township), a second class township, parties of the first part, and MALVERN MUNICIPAL AUTHORITY (Malvern Authority) and the BOROUGH OF MALVERN (Malvern), parties of the second part, and VALLEY FORGE SEWER AUTHORITY, party of the third part, all of said parties being municipal authorities or political subdivisions within the County of Chester, Commonwealth of Pennsylvania.

W I T N E S S E T H :

WHEREAS, the parties hereto have constructed or provided for or are about to construct or provide for sanitary sewer collection systems; and

WHEREAS, the parties desire to dispose of sewage described hereinafter by a treatment plant (hereinafter called the "Valley Forge Treatment Plant") to be located on the Schuylkill River in Schuylkill Township, Chester County, Pennsylvania, which treatment plant is to be constructed and operated by Valley Forge Sewer Authority (a municipality authority formed by Schuylkill, East Pikeland and Charlestown Townships); and

WHEREAS, a substantial portion of the sewage emanating from within the municipalities which is to be disposed of by the aforesaid treatment plant is to be discharged into and conveyed to the aforesaid treatment plant by interceptors or trunk sewers to be constructed by Tredyffrin Township Municipal Authority (Tredyffrin Authority), which interceptors or trunk sewers, including pumping stations and appurtenances are hereinafter called, collectively, the "Valley Creek Trunk Sewer", are to be leased by Tredyffrin Authority to the Township of Tredyffrin, which will operate said Valley Creek Trunk Sewer; and

WHEREAS, all of the sewage emanating from Malvern, which is to be disposed of by the Valley Forge Treatment Plant must pass through East Whiteland to reach the Valley Creek Trunk Sewer; and

WHEREAS, East Whiteland Authority has agreed to construct an interceptor or trunk sewer which will be called the East Whiteland Trunk Line, and Malvern Authority and Malvern have indicated they will utilize said Trunk Line and share in the cost of its construction and operation for the mutual benefit of the parties.

NOW, THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS HEREIN CONTAINED, the parties hereto, intending to be legally bound hereby, covenant and agree as follows:

ARTICLE I

CONSTRUCTION OF EAST WHITELAND TRUNK LINE

1.01 Engineering Services.

Each party hereby approves the contract dated June 20, 1966, between East Whiteland Authority and Roy F. Weston, Inc. (hereinafter called the "Consulting Engineers"), for engineering

services in respect of the construction of sewerage facilities to serve the East Whiteland Township and interceptors or trunk sewers, and appurtenances, to be located as set forth on the attached Exhibit "A" - the East Whiteland Trunk Line. A copy of said contract having been delivered to each party, the municipalities and municipality authority set forth in Exhibit "B" (hereinafter referred in this Article I as the "municipalities") agree to share the cost of such engineering design in accordance with the percentages applicable to each section or reach of said trunk line set forth in Exhibit "B" attached hereto. The parties hereto likewise agree to share the cost of surveys and test borings incident to the aforesaid design in accordance with said percentages. When payments for such engineering design, surveys and test borings fall due from time to time, each such municipality upon receipt of a copy of an invoice from the Consulting Engineers, shall promptly pay or cause to be paid to East Whiteland Authority for delivery to the Consulting Engineers (or, upon request of East Whiteland Authority, directly to the Consulting Engineers) that percentage of such invoice as is set forth in said Exhibit. Nothing herein contained shall be construed so as to make any party hereto (other than East Whiteland Authority) a party to said contract between East Whiteland Authority and the Consulting Engineers. If any payment required of a party hereto under this Section 1.01 is not made within thirty (30) days of the receipt of the aforesaid copy of invoice, interest shall accrue at the rate of six per cent (6%) per annum from such date.

1.02 Design Capacity; Construction of East Whiteland Trunk Line.

For each such municipality listed in Exhibit B, said East Whiteland Trunk Line shall provide the design capacity (reserved capacity) for each secion or reach of the respective interceptor or trunk sewers as set forth after the name of each such municipality in said Exhibit. East Whiteland Authority, in accordance with said contract with the Consulting Engineers shall cause plans and specifications for the East Whiteland Trunk Line to be completed with all reasonable dispatch. East Whiteland Authority, upon receipt of capital contributions as provided in Article II hereof shall award construction contracts and cause the East Whiteland Trunk Line to be constructed with reasonable dispatch, all in accordance with said plans and specifications and sound engineering principles.

1.03 Review and Inspection.

Throughout the term of this Agreement, East Whiteland Authority shall cause the Consulting Engineers to make available at reasonable times and places any information concerning the design, construction and operation of the East Whiteland Trunk Line reasonably requested by Malvern Authority or Malvern. Members of the governing body of Malvern and the consulting engineers, employees and representatives of Malvern shall have the right at all reasonable times during construction and thereafter to inspect the construction and operation of the East Whiteland Trunk Line and all records of East Whiteland Authority and East Whiteland Township in respect thereof. East Whiteland Authority and East Whiteland Township, at reasonable times, shall receive and consider the opinions, comments and suggestions of Malvern or Malvern Authority and of the

consulting engineer of Malvern and Malvern Authority.

1.04 Date of completion of East Whiteland Trunk Line.

East Whiteland Authority shall make every reasonable effort to cause the East Whiteland Trunk Line to be completed with reasonable dispatch.

ARTICLE II

CAPITAL CONTRIBUTIONS

2.01 Percentages.

Subject to limitations hereinafter provided, each of the municipalities and municipality authorities listed in Exhibit B attached hereto (hereinafter referred to in this Article II as the "municipalities") shall bear the percentage of the total project cost of constructing the several sections or reaches of the respective interceptor or trunk sewers of the East Whiteland Trunk Line as set forth after its name in said Exhibit B, which lists the reserved capacity requirements of each party in each such section or reach of sewer, and are referred to hereinafter as "said percentages". The total estimated project cost of constructing the East Whiteland Trunk Line and of each section or reach thereof to be constructed as part of said Trunk Line is set forth in Exhibit B. The total project cost of constructing the East Whiteland Trunk Line shall include construction contract payments, land costs, engineering, surveying, boring and construction representation fees and expenses (other than those paid for under Section 1.01 hereof), legal fees incident to the construction (including preparation and review of

documents needed before construction can commence), a reasonable contingency fund and all other charges, costs and expenses incident to such construction and which are properly chargeable thereto under sound accounting practice but excluding (i) financing costs and (ii) all costs and expenses properly chargeable to East Whiteland Authority for construction of the balance of its own sewage collection system under sound accounting practice. Allocation of costs and expenses between the cost of constructing the East Whiteland Trunk Line and the cost of constructing of the balance of said collection system of East Whiteland Authority shall be subject to adjustment upon audit as provided for hereinafter.

2.02 Payment of Capital Contributions.

No capital contribution in respect of construction shall be due hereunder unless prior to the date of payment plans and specifications for the East Whiteland Trunk Line and revisions thereof, if any, have been approved by the municipalities. Disapprovals may be based only on sound engineering reasons. Within sixty (60) days of the date on which construction bids are received by East Whiteland Authority (or, in the event of increased costs requiring approval pursuant to Section 2.03 hereof, within sixty (60) days of approval pursuant thereto) time being of the essence of this Agreement, each of said municipalities listed in Exhibit B shall pay to East Whiteland Authority the total of (1) the share of the estimated total project cost of constructing the East Whiteland Trunk Line set forth in dollars after its name in Exhibit B, (2) said percentage of the amount by which the total project cost as stated by the Consulting Engineers after

the receipt of construction bids exceeds the estimates set forth in Exhibit B, up to an increase of 15% of said estimates, and (3) such amount as may be due pursuant to the next succeeding Section hereof.

2.03 Change in Project Cost.

In the event, after the receipt of construction bids, the total project cost (before deducting any federal or state grants) of constructing the East Whiteland Trunk Line is increased by more than 15% of the estimate set forth in Exhibit B, and such a revision is approved by Malvern Authority, each municipality listed in Exhibit B shall pay said percentage of said increase to East Whiteland Authority by the time set forth in the preceding section. In the event, after receipt of construction bids, the total project cost of constructing the East Whiteland Trunk Line is less than the estimate set forth in Exhibit B, the total payment to be made by each such municipality under Sections 2.01 and 2.02 hereof shall be proportionately reduced and refunds of payments made under Section 1.01 shall be made proportionately.

2.04 Grants.

Each party authorizes and directs East Whiteland Authority on behalf of each such muncipality or municipality authority from time to time to apply for and accept all available grants in aid towards any East Whiteland Trunk Line construction costs and any East Whiteland Trunk Line operating costs of any nature to be used in accordance with this Agreement. All Federal and State grants received by any such municipality properly

allocable to and to be applied to the project cost of constructing the East Whiteland Trunk Line shall be paid to East Whiteland Authority and the total payment to be made by each municipality under Sections 2.01 and 2.02 hereof shall be reduced proportionately by such grant or grants.

All Federal and State grants received by East Whiteland Authority which are properly allocable to the project cost of constructing the East Whiteland Trunk Line shall be applied by East Whiteland Authority to the payment of such project cost or in reimbursement of expenditures so made and the total payment to be made by each municipality under Sections 1.01, 2.01 and 2.02 hereof shall be reduced accordingly. If any such Federal or State grants shall have been awarded to East Whiteland Authority and an agreement with the appropriate Federal or State agency executed on or before the date capital contributions are to be made under Section 2.02, then such total payment to be made by each municipality shall be reduced appropriately. If any such Federal or State grant is awarded or the agreement with the appropriate Federal or State agency executed by East Whiteland Authority after the aforesaid payments have been made by the municipalities under Section 2.02, such grants shall be applied in the computation of any surplus or deficiency of capital contribution pursuant to Section 2.08 hereof.

Federal and State grants which are allocable to the project cost of constructing the East Whiteland Trunk Line and other portions of the sewer system constructed by East Whiteland Authority and used as collector sewers to serve East Whiteland Township shall be apportioned by the Consulting Engineers between the project cost of constructing the East Whiteland Trunk Line and such other portions of said sewer system and the portion of such grants thus determined to be allocable to the project cost

of constructing the East Whiteland Trunk Line shall be applied to the payment of the project cost of the East Whiteland Trunk Line or in reimbursement of expenditures so made.

All Federal and State contributions or grants in aid received by any of said municipalities properly allocable to and to be applied towards any cost of operation, maintenance, repair, replacement, or other expenses relating to the East Whiteland Trunk Line shall be paid over to East Whiteland Township and shall be deducted in determining actual annual operating expenses of the East Whiteland Trunk Line in accordance with Section 4.07 hereof.

2.05 Construction Fund.

East Whiteland Authority shall deposit all amounts delivered by all parties to it pursuant to this Article, together with East Whiteland Authority's share and all amounts received in payment of Federal and State grants allocable to the project cost of constructing the East Whiteland Trunk Line, in a special East Whiteland Trunk Line Construction Fund (hereinafter called "Construction Fund"). Such Construction Fund moneys shall be held and invested by a Trustee selected by East Whiteland Authority and to the extent not insured by the Federal Deposit Insurance Corporation or other Federal agency, or invested as hereinafter provided shall be continuously secured by the pledge of direct obligations of the United States of America or the Commonwealth of Pennsylvania having an aggregate market value (exclusive of accrued interest) at all times at least equal to the amount of such moneys. Such moneys may be wholly or partially invested by said Trustee only in direct obligations of the United States of America and certificates of deposit which

shall mature or shall be subject to redemption at the option of the holder not later than one year from the date of such investment. Any securities so purchased shall be a part of the Construction Fund. The interest and income received from time to time upon investments and any profit realized or loss sustained from the sale of such securities shall be added or charged to the Construction Fund and such interest, income, profit or loss shall be considered in the computation of any surplus or deficiency as provided in Section 2.08. Moneys paid to the East Whiteland Authority pursuant to this Agreement shall at all times be segregated in books of account from moneys received by East Whiteland Authority for any other purpose.

2.06 Construction Fund Requisitions.

East Whiteland Authority agrees that payments from the East Whiteland Trunk Line Construction Fund shall be made only upon requisitions, copies of which shall be available to any of said municipalities, duly executed by authorized representatives of East Whiteland Authority stating: (a) the amount requested; (b) the obligation for or the account for which the requisition is made, showing separately the total obligation, the amount already paid, if any, and the balance remaining to be paid; (c) the person to whom the payment shall be made and his address; (d) that the item for which requisition has been made has not been paid and (e) with respect to such item there are no vendors', mechanics' or other liens or secured transactions which will not be discharged by such payment.

In case of payments under construction contracts, such requisitions shall also contain a certificate of the Consulting

Engineers certifying approval of the requisition and further certifying that such obligation has been properly incurred and is then due and unpaid and that insofar as such obligation was incurred for work, materials, supplies or equipment, such work was actually performed or such materials, supplies or equipment were actually installed in or about the construction of the East Whiteland Trunk Line, or delivered at the site of the work for that purpose, or delivered for fabrication at the place approved by the Consulting Engineers; and that all work done and materials, supplies or equipment for which such obligation was incurred are, in the Consulting Engineers' opinion, in accordance with the plans and specifications.

2.07 Change Orders.

East Whiteland Authority agrees to notify each of said municipalities of all changes or alterations in the East Whiteland Trunk Line plans and specifications. No change order concerning said plans and specifications in excess of $25,000. shall be approved by East Whiteland Authority unless it has previously been approved by Malvern Authority; provided, however, that if written notification of disapproval is not received by the East Whiteland Authority within ten (10) days of the date requested for approval of any change order is delivered to an officer of Malvern Authority, such change order shall be deemed to have been approved by such municipality. East Whiteland Authority further agrees that, without the prior approval of Malvern Authority, no change or alteration will be made in any of the plans and specifications of the Consulting Engineers, in respect to the

East Whiteland Trunk Line, which will cause the cost of construction to exceed the amount available in the East Whiteland Trunk Line Construction Fund.

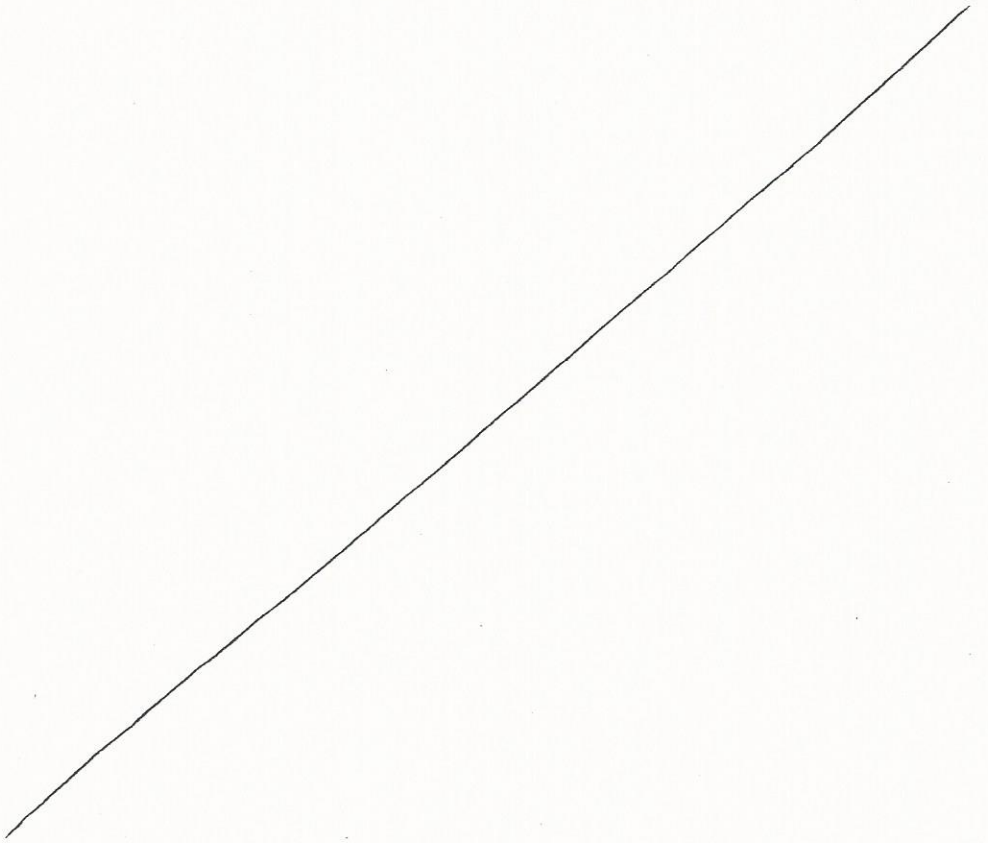
2.08 Distribution of Construction Fund.

Upon completion of the construction of the East Whiteland Trunk Line, East Whiteland Authority shall deliver to each party a certificate of the Consulting Engineers stating (a) the fact of such completion and (b) in reasonably itemized form, the actual project cost of constructing the East Whiteland Trunk Line (i) after deducting therefrom the unexpended contingency fund, if any, and the amount of any applicable Federal or State grants paid into Construction Fund and not previously used to reduce payments in accordance with Section 2.04 and (ii) after making appropriate adjustments in respect of net income, gain or loss from investments. If any municipality's share of the actual cost of constructing the East Whiteland Trunk Line after adjustments (i) and (ii) is less than the total amount deposited by it as required by this Agreement, the excess of such deposits shall forthwith be refunded to such municipality if no municipality, within sixty (60) days of receipt of said certificate, has requested a readjustment or audit and, in the event of such a request, shall be refunded promptly after the matter is resolved. A deficiency, if any, incurred in accordance with this Agreement shall be charged to and paid by each such municipality in said percentages and shall be due within thirty (30) days of notice to pay, and if not then paid, shall be subject to interest at the rate of six per cent (6%) per annum until paid. Prior to

completion of the East Whiteland Trunk Line, East Whiteland Authority may make one or more interim distributions on the basis of information then available, which distributions shall be subject to adjustment at the time of final distribution.

2.09 Audit of Project Cost.

The said certificate of the Consulting Engineers as to the actual project cost of constructing the East Whiteland Trunk Line and the records from which it is compiled shall be audited by a certified public accountant selected by East Whiteland Authority and the expense of such audit shall constitute part of the project cost.



ARTICLE III

DELIVERY AND ACCEPTANCE OF SEWAGE

3.01 Delivery.

Malvern Authority, at its own expense, shall during the term of this Agreement cause all sewage emanating from The Borough of Malvern to be discharged into East Whiteland Trunk Line. Except as permitted pursuant to Article VII hereof, Malvern Authority shall not exceed the capacity reserved by it.

3.02 Acceptance.

Malvern shall commence delivering its sewage to the East Whiteland Trunk Line as soon as practicable after (a) the East Whiteland Trunk Line is sufficiently complete to provide service (as certified by the Consulting Engineers engaged by East Whiteland Authority) and (b) the Valley Creek Trunk Sewer is sufficiently complete to provide service (as certified by the Consulting Engineers engaged by Treddyffrin Authority) and (c) the treatment plant to be constructed by Valley Forge Sewer Authority to receive and treat the aforesaid sewage is sufficiently complete to provide service (as certified by the consulting engineers engaged by Valley Forge Sewer Authority in respect of the design and construction of said treatment plant). East Whiteland Authority, as soon as practicable after the East Whiteland Trunk Line and the Valley Creek Trunk Sewer and the aforesaid treatment plant are sufficiently complete to provide service as so certified, shall permit connections at the locations that East Whiteland Authority may agree to, which agreement may not be unreasonably withheld and shall accept sewage for conveyance to the aforesaid treatment plant subject to the terms and conditions herein set forth.

ARTICLE IV

OPERATING EXPENSES OF THE EAST WHITELAND TRUNK LINE

4.01 Proportion.

The Borough of Malvern and the Township of East Whiteland (which Borough and Township in this Article IV are referred to as "said municipalities") shall share the operating expenses of the East Whiteland Trunk Line (as defined in Section 4 06) as follows: The proportion that the volume of sewage (determined as hereinafter provided and by other agreement of the parties) emanating from each such municipality and discharged into the several sections or reaches of the interceptor or trunk sewer, constituting the East Whiteland Trunk Line bears to the total volume of sewage discharged by both of said municipalities into such sections or reaches shall be used in calculating the amount that each such municipality shall pay for sewage conveyance services. Operating expenses of the East Whiteland Trunk Line for the first two years of operation shall be paid as set forth in Section 4.13 hereof.

4.02 Estimates of Volume of Sewage.

In order to provide East Whiteland Township with working capital for payment of operating expenses of the East Whiteland Trunk Line, at least one hundred twenty (120) days prior to the end of the first two years of operation of the East Whiteland Trunk Line each said municipality shall supply or cause to be supplied to East Whiteland Authority an estimate of the volume of sewage to be discharged from its sewage collection system into the East Whiteland Trunk Line during the next succeeding calendar Year (or portion of a calendar year remaining after the end of the first two years of operation).

4.03 Estimated East Whiteland Trunk Line Operating Expenses.

Within sixty (60) days after receipt of the estimates provided under the preceding section, East Whiteland Township shall prepare, subject to the

approval of its consulting engineers, and furnish to Malvern, a budget setting forth (a) the estimated annual operating expenses of the several sections or reaches (including at least ten percent (10%) for contingencies) and (b) the share of each said municipality of such operating expenses (the share of each said municipality being an amount which is in the same ratio to the total of such expenses as the estimated volume of sewage from such municipality discharged in the several sections or reaches of the East Whiteland Trunk Line is to the total estimated volume of sewage from both of the said municipalities so discharged or served). If at any time it appears on the basis of past or current meter readings that the estimate of Malvern is substantially inaccurate, East Whiteland Township may revise said estimate based on such past or current meter readings and Malvern shall promptly make payments in accordance with the revised estimate.

In the event of an unusual contingency, an upward revision of the budget may be made by East Whiteland Township with the approval of Malvern, which approval shall not be unreasonably withheld; provided, however, that the budget may be exceeded without such prior approval in an emergency directly affecting the operation of the East Whiteland Trunk Line and certified by the consulting engineers engaged by East Whiteland Authority or East Whiteland Township to require immediate action. Each such municipality shall make payments in accordance with the revised budget within sixty (60) days of receipt of notice thereof. In the event a municipality is not able legally to obtain funds with which to pay all of its share of the budget increase, any unpaid amount shall be paid by it in the following year together with interest at the rate of six percent (6%) per annum until paid.

4.04 Payments on account of Estimated Operating Expenses.

On or before each January 1, April 1, July 1 and October 1 during the term of this Agreement, Malvern shall pay to East Whiteland Township (out of legally available current revenues and from sewer rentals) one quarter (1/4) of its share of the estimated annual operating expenses of the East Whiteland Trunk Line as determined in accordance with the preceding section (prorated if the two-year period referred to in Section 4.01 ends during rather than at the start of a quarter). Amounts not paid when due shall be subject to interest in the amount of six percent (6%) per annum of the amount due. Said interest shall be due from time to time upon the receipt of invoices from East Whiteland Township. In the event of a default in payment under this Section, East Whiteland Township may borrow all or part of the amount of such payment due hereunder and may use such interest to pay, or reimburse itself for paying, interest on such borrowed funds. Interest not so used shall be treated as a deduction under Section 4.07 hereof in determining actual annual operating expenses of the East Whiteland Trunk Line.

East Whiteland Township shall deposit all moneys delivered by all parties to it pursuant to this Article, together with the East Whiteland Township's share and all amounts received in payment of Federal and State contributions or grants in aid to be applied towards any cost of operation, maintenance, repair, replacement or other expenses relating to the East Whiteland Trunk Line, in a special East Whiteland Trunk Line Operating Fund (hereinafter called "Operating Fund"). Such Operating Fund moneys shall be invested by East Whiteland Township and to the extent not insured by the Federal Deposit Insurance Corporation or other Federal Agencies, or invested as hereinafter provided shall be continuously secured by the pledge of direct obligations of the United States of America or the Commonwealth of Pennsylvania having an aggregate market value (exclusive of accrued interest) at all times at least equal to the amount of such moneys.

Such moneys may be wholly or partially invested by said Township subject to the same limitations set forth in Section 2.05. Any securities so purchased shall be a part of the Operating Fund. The interest and income received from time to time upon investments and any profit realized or loss sustained from the sale of such securities shall be added to or charged to the Operating Fund and such interest, income, profit or loss shall be considered in determining the actual annual operating expenses of the East Whiteland Trunk Line pursuant to Section 4.06 hereof.

4.05 Annual Statement.

Within one-hundred twenty (120) days of the close of each calendar year, East Whiteland Township shall cause to be prepared and submitted to each of said municipalities a detailed statement, certified by a certified public accountant engaged by East Whiteland Township, showing the actual annual operating expenses of the East Whiteland Trunk Line (as defined in the next succeeding Section) and the apportionment of the cost among the said municipalities on the basis of Section 4.01.

4.06 Actual Annual Operating Expenses of the East Whiteland Trunk Line.

"Actual annual operating expenses of the East Whiteland Trunk Line" shall mean the sum of the costs referred to in subsections (a) through (f) hereof minus the deductions referred to in Section 4.07 hereof:

(a) All the actual reasonable expenses and costs of the adequate proper operation, maintenance and repair of the East Whiteland Trunk Line as the same may be constituted from time to time, determined in accordance with sound accounting practices and shall include, without limiting the generality of the foregoing, salaries and wages of operating, supervisory and administrative personnel directly charged to the operation, maintenance and repair of the East Whiteland Trunk Line (but in the event such personnel are also engaged in other activities of a municipality, shall include only that proportion of such salaries

and wages as is properly allocable to such operation, maintenance and repair on the basis of time spent or services performed); pensions, social security or unemployment taxes; chemicals; power; taxes (if any); insurance; administrative expenses; materials and supplies; maintenance; and repairs, improvements and betterments (including ordinary or routine repairs and replacements but not extra-ordinary replacements or additions of a capital nature which latter shall be treated in the manner provided for expansion in Section 7.02, except to the extent that Article VIII shall apply);

(b) The fees and expenses of the Consulting Engineers employed by East Whiteland Township concerning the operation, maintenance and repair of the East Whiteland Trunk Line and in preparing reports and determinations required by this Agreement;

(c) The fees and expenses of the certified public accountant engaged by East Whiteland Township to prepare the annual statement;

(d) Interest paid by East Whiteland Township pursuant to Section 4.04 hereof;

(e) The cost of that portion of the bond of the Treasurer and other officers or employees of East Whiteland Township attributable to his or their duties in connection with East Whiteland Trunk Line, under sound accounting practices; and

(f) Reasonable expenses of East Whiteland Township in providing service pursuant to this Agreement and attributable to the East Whiteland Trunk Line under sound accounting practices.

4.07 Deductions.

Any Federal or State contributions or grants in aid received by any party which is to be applied towards any cost of operation, maintenance, repair, replacement or other expenses relating to the East Whiteland Trunk Line shall be

paid to East Whiteland Township and shall be deducted in determining actual annual operating expenses of the East Whiteland Trunk Line. Interest properly allocable thereto pursuant to Section 4.04 and interest earned by East Whiteland Township on funds deposited in the Operating Expense Fund pursuant to Section 4.03 or Section 4.13 shall be deducted in determining such actual operating expenses.

4.08 Refunds of Additional Payments.

If any such municipality's share of the actual annual operating expenses of the East Whiteland Trunk Line is less than (or more than) the total amount paid by it under this Article in such calendar year, the excess shall forwith be refunded to such municipality (or the deficiency shall forthwith be paid by it) if no municipality within sixty (60) days of receipt of an annual statement has requested arbitration in accordance with Article IX and in the event of such a request, any excess (or deficiency) shall be refunded (or paid) within thirty (30) days after the matter is resolved. Amounts not paid when due shall be subject to interest at the rate of six percent (6%) per annum of the amount due and shall be subject to the provisions concerning interest of Section 4.04 hereof.

4.09 Use of Funds.

East Whiteland Township agrees that payments made by the said municipalities to East Whiteland Township on account of its share of operating expenses of the East Whiteland Trunk Line shall be applied only for the payment of actual operating expenses as defined in Section 4.06, subject to Section 4.07, and that such payments shall not be applied toward the payment of any other obligations or East Whiteland Township.

4.10 Books of Account.

In order that expenses of East Whiteland Township which are not properly allocable to the construction or operation of the East Whiteland Trunk Line shall

not be charged thereto, East Whiteland Township shall keep separate books of account for the operation of its collection system and for the East Whiteland Trunk Line or such books of account and other records which would readily permit such allocation. Said books and records shall be available for inspection by the municipalities at all times.

4.11 Sewer Rentals.

To insure the availability of current revenues adequate to meet its obligations under this Agreement, each said municipality shall impose and collect annual sewer rentals in an aggregate amount sufficient, together with other legally available funds, to equal (a) all sums payable by it to East Whiteland Township during the then current calendar year under this Agreement and (b) all sums payable by it to any other person, firm, corporation, municipality or municipality authority during the then current calendar year for or in respect to sewer purposes.

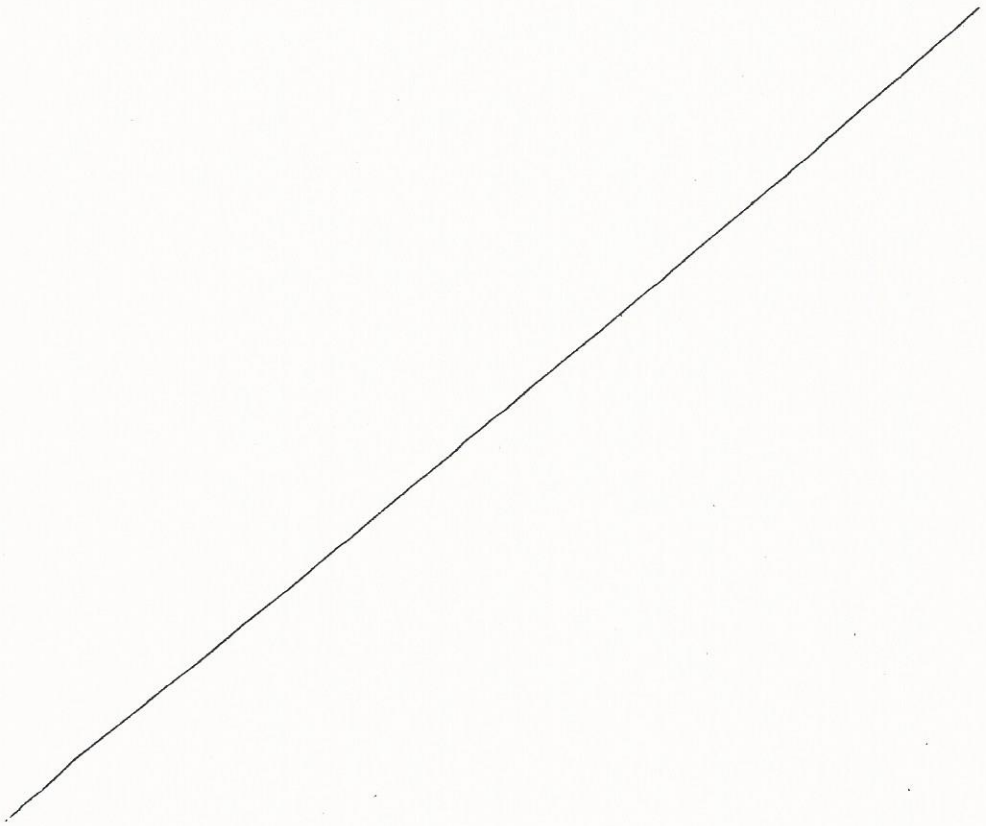
4.12 Commencement of Discharge into East Whiteland Trunk Line.

Each party shall make every reasonable effort to be ready to begin to discharge sewage into the East Whiteland Trunk Line by the time it and the Valley Creek Trunk Sewer are ready to receive sewage, and the aforesaid Valley Forge Treatment Plant is ready to treat and dispose of sewage.

4.13. Operating Expenses for the First Two Years.

Each such municipality set forth in Exhibit B shall pay to East Whiteland Township its share of the estimated operating expenses of the East Whiteland Trunk Line for the first two years of operation set forth after its name in Exhibit B (on the basis of reserved capacity) within thirty (30) days of receipt of the Certificates of the Consulting Engineers engaged by East Whiteland Authority, Tredyffrin Authority and Valley Forge Sewer Authority provided in Section 3.02. Said operating expense moneys for the first two years of operation shall be deposited in an Operating Expense Fund in the name of East Whiteland

Township separate and apart from any other fund of such Township. Investment of such moneys by East Whiteland Township shall be made subject to the same limitations set forth in Section 2.05 hereof. Within one hundred twenty (120) days of the close of said first two years of operation, East Whiteland Township shall cause a certified public accountant to prepare and submit to each participating municipality a detailed statement showing the actual annual operating expenses of the East Whiteland Trunk Line (as defined in Sections 4.06 and 4.07 hereof) and the apportionment of the cost among the said municipalities on the basis of reserved capacities as set forth in Exhibit B hereof. If at the end of the second year of operation the amount deposited hereunder by any municipality differs from the amount due, refunds or additional payments shall be made pursuant to Section 4.08 hereof.



ARTICLE V

QUALITY OF SEWAGE

5.01 General.

The sewage discharged directly or indirectly into the East Whiteland Trunk Line by any municipality or municipality authority shall be within the maximum limits presented below or pretreated to within the limits of Section 5.04.

5.02 Acceptability Standards.

After consultation with Valley Forge Sewer Authority, East Whiteland Township shall from time to time establish acceptability standards for sewage and industrial waste entering the collection system of any municipality or municipality authority and discharging directly or indirectly into the East Whiteland Trunk Line for the purpose of prohibiting materials or characteristics which would be deleterious to the East Whiteland Trunk Line, Valley Creek Trunk Sewer or to the Valley Forge Treatment Plant or the treatment process, which standards shall be reasonable and similar to standards imposed with regard to similar facilities and shall not be higher or more restrictive than those imposed by Valley Forge Sewer Authority. No municipality or municipality authority shall permit discharge directly or indirectly into the East Whiteland Trunk Line of any sewage or waste so certified to be deleterious, but such certification shall not preclude the municipality or municipality authority from contesting the reasonableness of such determination.

Subject to the foregoing, all municipalities and municipality authorities agree to enact or adopt or cause to be enacted or adopted uniform ordinances, resolutions, rules or regulations to prohibit users of the respective collection systems serving such municipalities and municipality authorities from discharging substances failing to meet such acceptability standards and to require all pre-treatment of sewage or other waste necessary to require the same to conform to the

acceptability standards and agree to take all necessary steps in the design and construction of the collection systems and in the subsequent maintenance and operation thereof (including the exercise of appropriate inspection of and control over building connections) to prevent infiltration of storm water and other improper substances into the collection systems.

5.03 Sampling Manholes.

For the purpose of determining the characteristics of sewage or wastes, each municipality or municipality authority shall install or cause to be installed a sampling manhole at the point of discharge at the property of any user which the consulting engineer of such municipality or municipality authority considers capable of discharging sewage or wastes not meeting any of such acceptability standards.

5.04 Industrial Wastes.

In order to control admission of industrial wastes, no party to this Agreement shall permit any industrial user to connect to or discharge into its collection system any waters or wastes other than sanitary waste without the prior review and approval of the consulting engineers and the consulting engineers of Valley Forge Sewer Authority. The consulting engineers' review (until such time as the following acceptability standards are amended in accordance with Section 5.02 hereof) shall be based on, but not limited to, the following standards:

Waste Characteristics to be Considered

Characteristics of the industrial waste shall not be in general in excess of those listed below:

(1) The 5-day 20 deg. centigrade B.O.D. (bio-chemical oxygen demand) shall not exceed 250 ppm.

(2) The suspended solids content shall not exceed 300 ppm.

(3) The total solids content shall not exceed 1,100 ppm.

(4) The PH shall not be less than 6.0 nor shall it exceed 9.0.

(5) The temperature shall not exceed 150° F.

(6) The color shall not be such as to require special treatment to render the effluent acceptable for discharge into the Schuylkill River.

(7) The waste shall not contain greases and oils, inflammable material, non-biodegradable materials or any oxygen scavengers, sufficient in quantity to be injurious to the treatment plant or interfere with any treatment process or to constitute a hazard to human or animal life.

(8) The waste shall not contain any solid or viscous material capable of causing obstruction to the flow in the sewers, or at the Valley Forge Treatment Plant or any material capable of causing interference with the proper operation of the East Whiteland Trunk Line, The Valley Creek Trunk Sewer or the Valley Forge Treatment Plant.

Where required, in the opinion of the consulting engineers, the user shall provide at his expense such preliminary treatment or handling as may be necessary to modify the objectionable characteristics or control the quantities and rates of discharge of such water or wastes as necessary.

Plans, specifications, and any other pertinent information relating to proposed preliminary treatment or handling facilities shall be submitted for review to Valley Forge Sewer Authority and no construction of such facilities shall be commenced until a permit for the connection is obtained in writing from Valley Forge Sewer Authority. A copy of each such permit shall be furnished to East Whiteland Township.

In order to insure quality compliance and to reduce the possibility of accidental discharges of wastes not conforming each municipality and municipality authority shall sample, test or otherwise examine industrial wastes as often as reasonably necessary to insure quality compliance.

5.05 Combined Sewage and Industrial Wastes.

In order to control the sewage entering, Valley Forge Sewer Authority will sample the discharge from each municipality or municipality authority period-

ically to insure that no characteristic is evident which would be deleterious to the East Whiteland Trunk Line, the Valley Creek Trunk Sewer or the Valley Forge Treatment Plant or the treatment process.

The characteristic of each combined sewage and industrial waste discharge shall not be in excess of those listed under Section 5.04 except that the temperature of the combined discharge shall not exceed 100° F. Each municipality or municipality authority shall provide facilities to prevent the occurrence of septic conditions in the East Whiteland Trunk Line.

Should Valley Forge Sewer Authority find either the BOD or suspended solids characteristics exceeded as determined in the tests on the periodically obtained samples, the potentially offending municipality or municipality authority shall be notified of the findings and requested to examine the conditions. If at the end of a quarter Valley Forge Sewer Authority determines that the discharge from the municipality or municipality authority is in excess of the characteristics as determined by average test results by periodic sampling, the suspected offender shall be given written notice that its discharge is in excess and that a comprehensive sampling and testing program will be undertaken by Valley Forge Sewer Authority to verify the non-compliance and to notify that steps should be taken to rectify the problem.

If, at the end of the quarterly comprehensive test program the problem has not been rectified, a penalty charge as provided in Section 5.06 will be added to that quarter's billing and until the situation is shown to be corrected.

Should Valley Forge Sewer Authority find any of the additional characteristics to be in excess or to find the presence of any other untested deleterious material in the course of periodic sampling and testing the potential offending municipality or municipality authority shall be given notice to take immediate steps to rectify the problem.

ARTICLE VI

DETERMINATION OF QUANTITY OF SEWAGE DISCHARGED INTO THE EAST WHITELAND TRUNK LINE

6.01 Meters or Measuring Devices.

In order to measure in gallons the quantity of sewage emanating from the Borough of Malvern and the Township of East Whiteland, which is discharged into the various sections or reaches of the interceptor or trunk sewers of the East Whiteland Trank Line, each of said municipalities shall each, at its expense, construct or cause to be constructed, where feasible, a sewage meter or sewage flow measuring device at each point necessary to determine the volume of sewage emanating from the Borough of Malvern and the Township of East Whiteland, discharged into the East Whiteland Trunk Line. The above sewage meters and related equipment such as recorders and charts shall be as mutually agreed upon by the Consulting Engineers and the consulting engineers of Valley Forge Sewer Authority and of said municipalities. All metering stations shall provide facilities for sampling the sewage.

6.02 Calibration and Readings.

All meters or measuring devices constructed or installed by Valley Forge Sewer Authority, the Borough of Malvern and the Township of East Whiteland, shall be calibrated by Valley Forge Sewer Authority at least once each year and, if requested by East Whiteland Township, shall be checked at other times as a cost of operating the Valley Forge Treatment Plant. All readings of each such municipality or municipality authority's meter or measuring device shall be performed by a representative of said municipality, of Valley Froge Sewer Authority and of East Whiteland Township. Meters or measuring devices shall be read or examined on the date each municipality or municipality authority first connects and on the first day of each quarter of each year during the term of this Agreement

to determine the quantity of sewage emanating from each municipality or area served by a municipality authority for the previous quarterly period or portion thereof. Copies of meter readings or measuring device examinations shall forthwith be delivered to each municipality and to Valley Forge Sewer Authority and to East Whiteland Township.

6.03 Maintenance and Operation.

All meters and measuring devices used for the purpose of determining flows into the Valley Creek Trunk Sewer and used for billing purposes will be routinely serviced and inspected by Valley Forge Sewer Authority as a part of the treatment plant operating expense. Valley Forge Sewer Authority shall undertake to have an inoperative or inaccurate meter or measuring device repaired as soon as practicable with the cost of such repair being charged back to the owner. Valley Forge Sewer Authority shall not be obligated to provide service to any devices other than the primary metering element, recorders, transmitters and other instruments. Each municipality or municipality authority shall, at its own expense, be responsible for all other maintenance and operation of its sewage metering facilities.

6.04 Missing or Inaccurate Flow Records; Use of Equivalent Dwelling Units as Measurement of Flow.

In the case of missing flow records due to faulty meter registration or otherwise, an estimate of flows shall be made by the Consulting Engineers for the purpose of determining volume of sewage discharges. This estimate will be based on a valuation of past flow records as applied to the then existing conditions and as reviewed and approved by the Consulting Engineer of the respective municipality or municipality authority.

In the absence of meter readings during the early period of low flows, when the sewage recording meters may not register the flow, or where meters

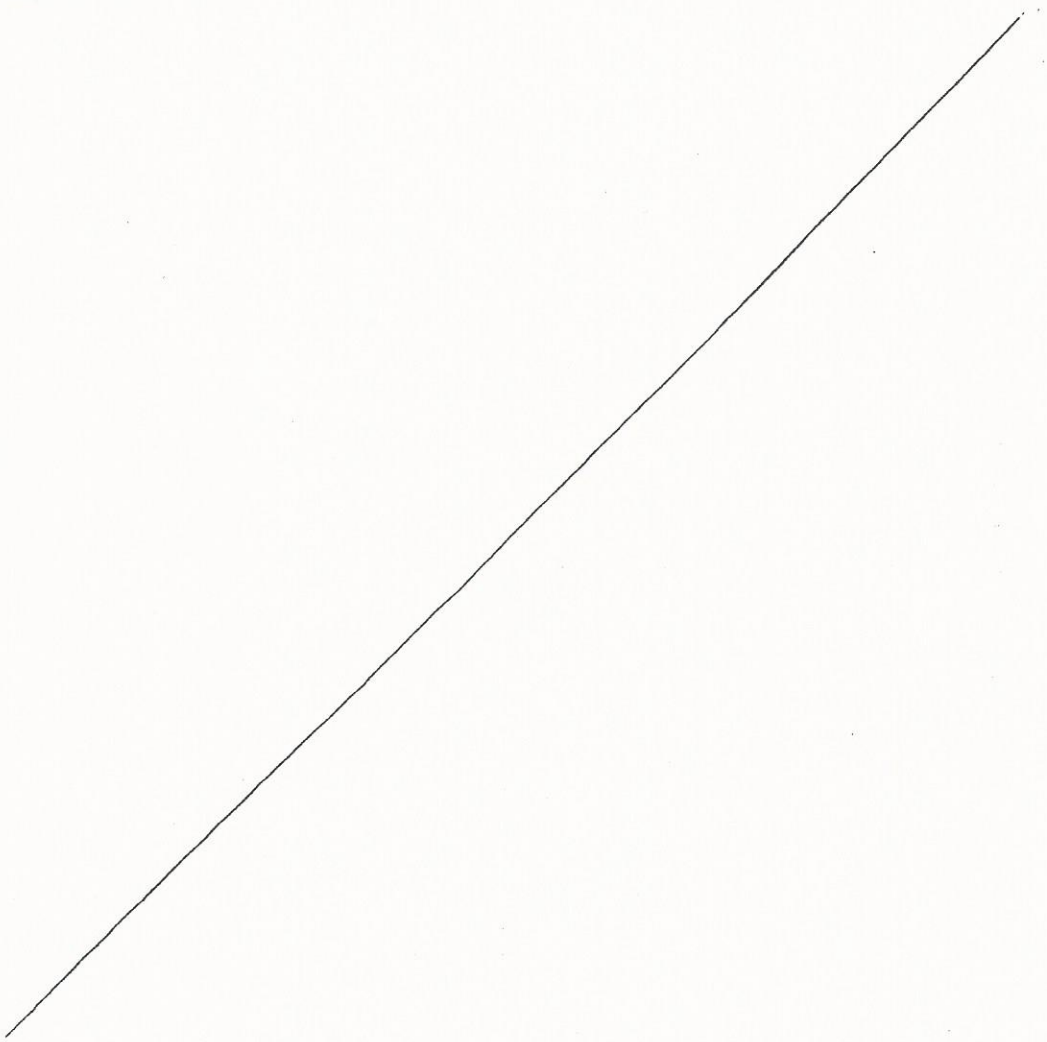
cannot practically be installed, flow quantities shall be determined on the basis of the average number of Equivalent Dwelling Units (upon the basis of a discharge rate of 275 gallons per Equivalent Dwelling Unit per day). The number of Equivalent Dwelling Units shall be determined at the beginning and end of each calendar quarter during the term of this Agreement based upon a certification by a responsible officer of the municipality or municipality authority as to the number of such Equivalent Dwelling Units so connected by the municipality or municipality authority at the beginning and end of each quarter and shall be averaged on the basis of the number of units so connected at the beginning and end of each such quarter. Where the initial connection of the collection system of any municipality or municipality authority is made to the East Whiteland Trunk Line after the first day of a calendar quarter, the quantity of sewage so discharged shall be based on the number of Equivalent Dwelling Units so connected at the end of such quarter prorated on the basis of the number of days in such calendar quarter that any sewage is so discharged from such municipality or municipality authority. For the purpose of determining the number of Equivalent Dwelling Units represented by schools, churches or municipal buildings, commercial or industrial establishments, etc., the factors set forth in Exhibit C shall be applied. The officials and representatives of East Whiteland Township may inspect the records of any connecting municipality or municipality authority for the purpose of determining the accuracy of the number of Equivalent Dwelling Units certified by such municipality or municipality authority.

6.05 Proportion of Flows.

The quantity of sewage discharged into the several sections or reaches of the East Whiteland Trunk Line shall be determined, with respect to each such municipality or municipality authority in the ratio that the quantity of sewage emanating from each such municipality or municipality authority (determined as

above) shall bear to the total quantity of sewage discharged into such sections or reaches of the East Whiteland Trunk Line from all municipalities and any municipality authority.

Valley Forge Sewer Authority shall undertake to prepare a complete distribution of the total volume of sewage received and metered at the sewage treatment plant during each calendar quarter and during each calendar year, with respect to each such municipality or municipality authority which discharges sewage that is treated in the Valley Forge Sewer Authority sewage treatment plant, such distribution to include all metered and unmetered sewage flows of each municipality or municipality authority.



ARTICLE VII

RENTING UNUSED CAPACITY; EXTRAORDINARY REPAIRS, RENEWALS OR REPLACEMENTS OF INTERCEPTOR OR TRUNK SEWERS; ENLARGEMENTS OR ADDITIONAL INTERCEPTOR OR TRUNK SEWERS.

7.01 Renting Unused Capacity.

Each municipality discharging from its sewage collection system into the East Whiteland Trunk Line during a calendar year a volume of sewage less than its reserved capacity, as set forth in Exhibit B shall be deemed to have been placed its unused capacity in a rental pool. Any municipality (each of which is herein called "lessee municipality") discharging sewage into the East Whiteland Trunk Line in any calendar year in excess of its reserved capacity, as set forth in Exhibit B, shall rent from the pool for the entire calendar year capacity equal to the volume by which it exceeds its reserved capacity (with the total volume discharged by it being reduced to gallons per day by dividing the total gallons discharged by it in such calendar year by 365). The annual rental fee to be paid by the lessee municipality shall be the representative annual "debt service" (calculated at equal annual payments to amortize the debt, including seven per cent (7%) interest per annum for a 25-year term) for the amount obtained by multiplying the fraction of the rated capacity of the East Whiteland Trunk Line or of any section or reach thereof rented for the current calendar year by the total of capital contributions made by all parties hereto toward the cost of providing the East Whiteland Trunk Line or such section or reach thereof as then being used. The capacity thus rented by the lessee municipality shall be rented annually by it until the next expansion of the East Whiteland Trunk Line, at which time the lessee municipality

shall surrender the capacity rented by it and shall, at its expense, replace the capacity rented by it (in each such section or reach or pumping station) so that each lessor municipality will receive back its reserved capacity placed in the pool. In no event, shall any contribution of capacity to the rental pool be construed to decrease the reserved capacity in the East Whiteland Trunk Line or any section or reach thereof of any lessor municipality.

The rental fees shall be distributed to the contributors to the rental pool in proportion to their contributions (the contribution as to each being the difference between its actual flow during the current calendar year [reduced to gallons per day] and its reserved capacity) the rental fee owed by each lessee municipality, together with the proposed distribution thereof to the lessor municipalities, shall be shown as separate items in the annual statement furnished pursuant to Section 4.05 hereof. Rental fees owed shall be paid by each municipality to East Whiteland Township within sixty (60) days of receipt of said annual statement unless arbitration has then been requested, and in such event shall be paid within thirty (30) days of the date the matter is resolved pursuant to the procedure set forth in Section 9.01. Distribution of the rental fees shall be made by East Whiteland Township promptly thereafter as provided herein.

Although rental payments shall be paid and distributed hereunder on the basis of actual flows, the total estimates of sewage to be discharged into the East Whiteland Trunk Line in a calendar year pursuant to Section 4.02 hereof, shall be used to avoid exceeding the rated capacity of the East Whiteland Trunk Line or any section or reach thereof. In the event that the total of said estimates, pursuant to Section 4.02, exceeds 90% of the rated capacity of any

section or reach of the East Whiteland Trunk Line (with the remaining 10% being used as a safeguard against underestimation), the Consulting Engineers of East Whiteland Township shall allocate the capacity in the pool (as estimated) among the municipalities estimating discharge in excess of their reserved capacities in proportion to their flows during the preceding calendar year; provided, however, that any municipality may continue to rent the number of gallons of capacity previously rented by it. No municipality shall permit any new connection to be made to its collection system or permit increased flow from any existing connection (due to construction and connection to the system of additional facilities) if so permitting might cause its volume of sewage discharged into the East Whiteland Trunk Line at peak flows during such calendar year to exceed the total of its reserved capacity and the capacity in the pool allocated to it by the Consulting Engineers of East Whiteland Township for such year.

7.02 Extraordinary Repairs, Renewals or Replacements of Interceptor or Trunk Sewers and Pumping Stations; Enlargements or Additional Interceptor or Trunk Sewers.

If, during the term of this Agreement, any interceptor or trunk sewer (or any section or reach thereof) of the East Whiteland Trunk Line used in whole or in part for the conveyance of sewage emanating from any of the municipalities (in addition to sewage emanating from East Whiteland Township) to the Valley Forge Treatment Plant shall require extraordinary repairs, renewals or replacements, each municipality and municipality authority named in Exhibit B agrees to pay or to cause to pay to the East Whiteland Authority (but only from legally available current revenues, sewer rentals available and funds which can be legally borrowed) its proportionate share of the project cost of such repairs, renewals or replacements.

The necessity for and the extent of such extraordinary repairs, renewals or replacements of any such section or reach of an interceptor or trunk sewer (with a breakdown by municipality or municipality authority) shall be determined by the Consulting Engineers engaged by East Whiteland Authority subject to the approval of the municipalities affected (which approval may be withheld only for sound engineering reasons), after consultation with the consulting engineers of each of the said municipalities and municipality authorities affected and written notice of such determination together with the Consulting Engineers' estimate of the cost thereof (with a breakdown by municipality or municipality authority) shall be given to each such municipality and municipality authority affected.

Each such municipality and municipality authority affected shall pay or cause to be paid to East Whiteland Authority the proportion of the project cost of such repairs, renewals or replacements in the proportion that the reserved capacity of such municipality or municipality authority in such section or reach of interceptor or trunk sewer shall bear to the total of the reserved capacities of all such municipality or municipality authority in such sections or reaches.

At such times as (a) eighty per cent (80%) of the rated capacity of the East Whiteland Trunk Line or any section or reach thereof is used or (b) estimates of volume under Section 4.02 exceed ninety per cent (90%) of said rated capacity or (c) in the event (i) enlargement of any interceptor or trunk sewer (or any section or reach thereof) or the construction of an additional interceptor or trunk sewer within East Whiteland Township or partly within and partly without East Whiteland Township or (iii) the enlargement of

any pumping station or the construction of an additional pumping station within East Whiteland Township is required to meet the requirements or standards prescribed by the Sanitary Water Board of the Pennsylvania Department of Health or any other governmental authority having jurisdiction. East Whiteland Authority shall construct such enlargement or additional sewer or pumping station; and each municipality and municipality authority named in Exhibit B agrees to pay East Whiteland Authority (but only from legally available current revenues, sewer rentals available and funds which can be legally borrowed) its proper proportionate share of the project cost of enlargement or additional sewer or pumping station. The necessity for the extent of such enlargement or additional sewer or pumping station (with a breakdown by municipality or municipality authority) shall be determined by the Consulting Engineers engaged by East Whiteland Authority subject to the approval of such municipalities or municipality authorities (which approval may be withheld only for sound engineering reasons), after consultation with the Consulting Engineers of each municipality or municipality authority and written notice of such determination together with the Consulting Engineers' estimate of the cost thereof (with a breakdown by municipality and municipality authority) shall be given to each municipality and municipality authority affected.

Each such municipality or municipality authority affected shall pay or cause to be paid to East Whiteland Authority the proportion of the project cost of such enlargement of or additional interceptor or trunk sewer or enlargement of or additional pumping station on the basis of the proposed increases in design capacities to be reserved for each municipality or municipality authority in such

enlarged or additional reach or section of interceptor or trunk sewer or in such enlargement of or additional pumping station. The reserved capacities shall be as set forth in Exhibit B subject to any changes in such reserved capacities as may be requested by any municipality or municipality authority. Adjustment shall be made so that each lessee municipality or municipality authority pursuant to Section 7.01 hereof bears the expense of replacing the capacity rented by it and each lessor municipality receives back its reserved capacity placed in the pool.

The project cost of the aforesaid extraordinary repairs, renewals or replacements, enlargements or additions shall be determined as hereinabove provided with respect to the construction of the several sections or reaches of the respective interceptor or trunk sewers and the pumping stations of the East Whiteland Trunk Line set forth in Article II hereof and shall be paid and accounted for in the same manner as that provided in Article II hereof. Each party authorizes and directs East Whiteland Authority on behalf of each municipality and municipality authority from time to time to apply for and accept any one or more grants in aid towards the aforesaid extraordinary repairs, renewals or replacements, enlargements or additions.

7.03 Construction Fund.

Moneys paid pursuant to Section 7.02 of this Article shall be deposited, held and disbursed pursuant to the Construction Fund provisions set forth in Article II hereof.

ARTICLE VIII

INSURANCE AND DAMAGE OR DESTRUCTION

8.01 Insurance on East Whiteland Trunk Line.

East Whiteland Authority agrees that during the construction of East Whiteland Trunk Line it will at all times cause to be kept in force builder's risk insurance (or equivalent coverage) upon any work done or materials furnished under construction contracts (except foundations and any other structures not customarily covered by such insurance) said policies to be written in completed value form for 100% of the insurable value of the contracts. East Whiteland Township agrees that upon completion of such construction it will at all times as an East Whiteland Trunk Line operating expense cause the East Whiteland Trunk Line to be insured against loss or damage by fire or other casualty in such amount and against such risks as are usually carried with respect to like properties, provided that the amount of such insurance shall be sufficient to prevent the insured from becoming a co-insurer thereunder by reason of any co-insurance clause in the policies. All such insurance policies shall (a) be written by responsible insurance companies authorized and qualified to do business in Pennsylvania, (b) be non-assessable and (c) name as the insureds East Whiteland Authority, East Whiteland Township and the Trustee of the Trust Indenture executed by East Whiteland Authority to secure its bonds issued to provide for the construction in whole or in part of the East Whiteland Trunk Line and, in addition, during any period of repair or construction the contractors engaged in such repair or construction, and to the extent procurable shall not be cancellable for at least fifteen (15) days prior written notice to such named insureds. All payments made under such policies on account of loss shall be paid to the aforesaid Trustee. East Whiteland Township agrees to furnish to each municipality before commencing operation of the East Whiteland Trunk Line

and before the start of each year during the term of this Agreement a certificate of the Consulting Engineers stating the amount and kind of such insurance in effect for the ensuing year and that the same is, in the opinion of the Consulting Engineers, in compliance with the requirements of this section.

8.02 Repair or Reconstruction with Insurance Proceeds.

In the event any damage to the facilities covered by such insurance, East White Authority, upon receipt of the necessary funds as provided for herein, shall promptly repair or replace the damaged property unless the Consulting Engineers certify that it would not be practical and advantageous to do so. It is agreed that in the absence of such a certification the proceeds of all insurance coverage to the extent necessary shall be applied to such repair or reconstruction.

8.03 Repair or Replacement not covered by Insurance Proceeds.

In the event that it shall become necessary, in order to convey sewage to the Valley Forge Treatment Plant in accordance with the purport and intent of this Agreement, to make an extraordinary repair or replacement of any section or reach of any interceptor or trunk sewer or of any pumping station constituting a part of the East Whiteland Trunk Line because of damage or destruction by casualty or otherwise, and there are insufficient funds available from insurance proceeds to pay the costs and expenses thereof, East Whiteland Authority and Malvern Authority shall forthwith pay over to East Whiteland Authority (but only from legally available current revenues, sewer rentals and borrowed funds) for deposit in a special construction fund such amount as is required for the purpose, in the same proportions and in the

the same manner as that hereinabove provided under Section 7.02.

8.04 Providing Conveyance Capacity by a means other than Repair or Reconstruction of the East Whiteland Trunk Line.

In the event that proceeds of insurance resulting from damage to the East Whiteland Trunk Line are not applied to the repair or the replacement of the damaged property because the same is determined to be impractical and not advantageous (pursuant to Section 8.02 hereof) such proceeds shall be applied towards the provision of conveyance capacity pursuant to Section 7.02 hereof. In such event credit for funds so applied shall be given to the municipalities in the same proportions as capital contributions towards the project cost of the East Whiteland Trunk Line were made by each.

ARTICLE IX

ARBITRATION

9.01 Arbitration as the Charges provided in Articles II and IV.

In the event any disagreement shall arise concerning the charges provided in Articles II and IV and the parties cannot otherwise promptly resolve the same, such disagreement shall be submitted within ten (10) days of the time any party requests arbitration to a certified public accountant appointed by method agreed upon by the parties. In the event of failure to agree upon such an arbitrator within ten (10) days, an arbitrator shall be appointed by the Senior Judge of the Court of Common Pleas of Chester County available at the time when the Authority or any of the parties request appointment of an arbitrator. The decision of the accountant or arbitrator so chosen shall be binding and rendered within twenty (20) days. Any request for arbitration shall be made within sixty (60) days after receiving a certificate under Section 2.08 or a statement under Section 2.10,

Section 4.05 or Section 4.13, and if no such request is made the certificate or statement shall be considered correct and not subject to future questions. The fee of such certified public accountant or arbitrator shall be an operating expense of the East Whiteland Trunk Line.

9.02 Arbitration by Board of Arbitrators.

In the event any disagreement shall arise as to the interpretation of any provisions hereof or the rights and obligations of the parties hereunder (other than disagreements provided for in Section 9.01) and the parties cannot otherwise promptly resolve the same, such disagreement shall be submitted within ten (10) days of the time any party request arbitration to a Board of Arbitrators whose decision shall be binding and shall be rendered within twenty (20) days. Such Board shall consist of the Consulting Engineers appointed by East Whiteland Authority, a firm of consulting engineers selected by the other parties to this Agreement and a third professional engineer licensed in Pennsylvania selected by the Consulting Engineers appointed by East Whiteland Authority and by said other parties; provided, however, that East Whiteland Authority and the other parties to this Agreement may agree to select arbitrators other than engineers or may agree to submit the matter to a single arbitrator. In the event of failure of said engineers to agree upon a third engineer or arbitrator, the same shall be appointed in the manner set forth in Section 9.01 hereof. The fees of all arbitrators shall be an operating expense of the East Whiteland Trunk Line.

ARTICLE X

MISCELLANEOUS PROVISIONS

10.01 Operation of East Whiteland Trunk Line.

East Whiteland Township agrees that it will, for and during the term of this Agreement by use of funds provided hereunder, operate and maintain the East Whiteland Trunk Line and that it will keep the same in good order and repair, save where prevented from doing so by act of God or riot, rebellion, sabotage, act of the public enemy or public calamity in which event East Whiteland Township may suspend operation of the East Whiteland Trunk Line until the cause of such suspension shall no longer exist and for such reasonable time thereafter as may be required to effect a resumption of operations. Neither East Whiteland Authority nor East Whiteland Township shall at any time or under any circumstances be liable to any party for damages in case of failure or inadequacies of the East Whiteland Trunk Line or the Valley Creek Trunk Sewer, or the Valley Forge Treatment Plant to receive, convey, treat or dispose of sewage.

10.02 Operation of Collection Systems.

Each party agrees that during such time as it operates a sewage collection system it will continuously operate and keep and maintain its collection system at all time in first-class repair, order and efficient operating condition and will meet the standards prescribed by the Sanitary Water Board of the Pennsylvania Department of Health or any other governmental authority having jurisdiction. Each party agrees to pay the cost of any damage to the East Whiteland Trunk Line or fine imposed upon East Whiteland Authority or East Whiteland Township resulting from discharge of improper sewage from such party's collection system in violation of this Agreement or

from improper operation or maintenance of such party's collection system. Each party agrees to indemnify and save harmless all of the other parties against all costs, losses or damage on account of any injury to persons or property occurring in the performance of this Agreement due to the negligence of such party or its servants, agents or employees.

10.03 Leases.

In the event that any municipality authority shall at any time lease its collection system to a municipality, any right or obligation of such authority under this Agreement may be exercised and shall be performed, as the case may be, by the municipality instead of the municipality authority to the extent that it may legally do so. When, by reason of the termination of any collection system lease, or for any other reason, any municipality authority shall be in possession of its collection system, then without any further act or agreement such municipality authority shall succeed to and become vested with all of the rights, powers, duties and obligations under this Agreement granted to or imposed upon the municipalities which created such authority.

10.04 Public Utility Law.

In the event that the Commonwealth of Pennsylvania should subsequently lawfully confer jurisdiction of the subject matter of this Agreement upon the Pennsylvania Public Utility Commission in whole or in part, the parties shall, if requested so to do, proceed forthwith to obtain all necessary power, right and authority from the said Public Utility Commission or such other proper agency of such Commonwealth in order to carry out the terms, provisions and intendment hereof.

10.05 Permits.

In the event that it may be necessary for the proper performance of this Agreement on the part of the East Whiteland Authority or East Whiteland Township to apply to any governmental or other agency for any permit or license to do or perform any act or thing contemplated hereby, and if such application must be made by a municipality rather than by the East Whiteland Authority or East Whiteland Township, the municipality affected agrees that it will execute the required application upon request by the East Whiteland Authority or East Whiteland Township, it being understood that in executing such application the municipality shall not assume any obligations both those for which it would have been responsible had East Whiteland Authority or East Whiteland Township made the said application.

10.06 No Joint Liability.

With the exception of a municipality and a municipality authority organized by such municipality, no party shall be held to be jointly liable in the event of failure of any party to perform and discharge its obligations under this Agreement, it being the intent hereof that this shall constitute the separate agreement of each of the parties named herein and default by any party in the discharge of any obligation resting upon it hereunder, shall not relieve any party from full performance of and compliance with the terms hereof.

10.07 Connections.

Prior to the completion of construction of the Valley Forge Treatment Plant, the Valley Creek Trunk Sewer and the East Whiteland Trunk Line, the Borough and each Township which is a party

hereunder will (to the extent it has not done so prior thereto) take all action which may be legal and necessary to compel all properties located within its territorial limits and then capable or thereafter becoming capable of being served by the municipality's collection system to be connected therewith.

10.08 Records.

Each party agrees to make available at all reasonable times to the parties to this Agreement and their employees, agents and representatives, access to all records relating to matters covered in this Agreement and access to the physical facilities of each party in order to assure compliance with the terms and conditions of this Agreement. A copy of all ordinances, resolutions, rules and regulations adopted by each party from time to time, pursuant to this Agreement, shall be furnished to East Whiteland Authority within thirty (30) days after enactment.

10.09 Severability.

Should any one or more of the provisions of this Agreement for any reason be held illegal or invalid, such illegality or invalidity shall not affect any other provision of this Agreement; and this Agreement shall, in such circumstances, be construed and enforced as if such illegal or invalid provision had not been contained herein.

10.10 Term.

This Agreement shall become effective upon its execution and delivery by all the parties hereto and shall remain in effect for forty years and thereafter shall be terminated only by mutual agreement of all parties.

10.11 Definitions.

The following terms and phrases shall have the meanings hereinafter set forth whenever such terms and phrases are used herein:

(a) "Consulting Engineers" means Roy F. Weston, Inc., and in the event said firm ceases to serve as the Consulting Engineers for East Whiteland Authority, an engineering firm or professional engineer having a favorable repute for skill and experience in the construction and operation of sewage treatment plants, registered in Pennsylvania and chosen by East Whiteland Authority.

(b) "Equivalent Dwelling Unit" shall mean any room, group of rooms, house trailer or other enclosure occupied or intended for occupancy as separate living quarters by a family or other group of persons living together or by persons living alone.

(c) "Industrial Uses" means any improved property used, in whole or in part, for manufacturing, processing, cleaning, laundering or assembling any product, commodity or article or from which any process waste, as distinct from sanitary sewage, is discharged.

(d) "Industrial Wastes" means any and all wastes discharged from an industrial establishment or by an industrial user, other than sanitary sewage.

(e) "Sewage", "Wastewater", "Sanitary Sewage" and "Sanitary Waste" means normal water-carried household and toilet wastes from any improved property and is limited to sewage permitted by Article V hereof and industrial wastes to the

extent permitted by Article V.

(f) "Improved Property" means any property upon which there is erected a structure intended for continuous or periodic habitation, occupancy or use by human being or animals and from which structure sanitary sewage and/or industrial wastes shall be or may be discharged.

(g) "pH" means the logarithm of the reciprocal of the concentration of hydrogen ions, expressed in grams per liter of solution, indicating the degree of acidity or alkalinity of a substance.

(h) "B.O.D." means biochemical oxygen demand.

10.13 Execution.

This Agreement may be executed in any number of counterparts each of which may be deemed an original.

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be executed and attested by its proper officers, pursuant to the proper action of its governing body, as of the day and year first above written.

EAST WHITELAND MUNICIPAL AUTHORITY

(Authority Seal)

Attest:

By: _____
Secretary

BY: _____
Chairman

TOWNSHIP OF EAST WHITELAND

(Township Seal)

Attest:

BY: _____
Chairman, Board of Supervisors

By: _____
Secretary

MALVERN MUNICIPAL AUTHORITY

(Authority Seal)

Attest:

By: _____
Secretary

BY: _____
Chairman

BOROUGH OF MALVERN

(Borough Seal)

Attest:

By: _____
Secretary

BY: _____
President of Borough Council

VALLEY FORGE SEWER AUTHORITY

(Authority Seal)

Attest:

By: _____
Secretary

BY: _____
Chairman

FACTORS FOR DETERMINATION OF
EQUIVALENT DWELLING UNITS

Classification	Number of E.D.U.
A. Each private dwelling or living unit	1
B. Each fire house or municipal building	1
C. Each church	1
D. Each public or private day school . . . . . Elementary, junior or senior high school Based on the daily average number of pupils enrolled on days when the school was in session during the quarter immediately preceding the date for determination of the number of connections, divided by the factor of 20. Teachers and employees shall be classified as pupils. Average enrollment shall be redetermined annually.	
E. Each retail gas station without car washing facilities	2
F. Each retail gas station with car washing facilities	3
G. Each commercial establishment, hospital, convalescent home, or institution . . . . . The quantity of water used shall be evidenced by meter readings of water meters installed by water suppliers for the purpose of measuring water purchased from said water supplier and such other meters or measuring devices as may be installed. The quantity of water used during the quarter immediately preceding the date for determination of the number of connections divided by 24,750 gallons shall represent the number of Equivalent Dwelling Units determined in respect of such establishment. Where no meter has been installed by the supplier or no other meter or measuring device has been installed, the number of Equivalent Dwelling Units shall be estimated.	
H. Each motel, hotel, or rooming house . . . . . Each unit or room shall be evaluated as one-half an Equivalent Dwelling Unit. Where a restaurant or bar room is conducted in conjunction with any motel or hotel, a separate determination for such restaurant or bar room shall be made in accordance with paragraph "G" above.	
I. Industrial Establishments . . . . . The quantity of water used shall be evidenced by meter readings of water meters installed by water suppliers for the purpose of measuring	

water purchased from said water supplier and such other meters or measuring devices as may be installed. The quantity of water used during the quarter immediately preceding the date for determination of the number of connections divided by 24,750 gallons shall represent the number of Equivalent Dwelling Units determined in respect of such establishment.

Where no meter has been installed by the supplier or no other meter or measuring device has been installed, the number of Equivalent Dwelling Units shall be estimated.

J. Multiple Use. In case of a combination of one or more dwelling or living units with a similar unit or units or with one or more commercial establishments in the same or connected building with each thereof having the use of the Valley Creek Trunk Sewer (directly or indirectly) through one sewer connection, then each such private dwelling or living unit and each such commercial establishment shall be evaluated on the basis of the applicable factors for each use thereof as if such use were conducted in a separate structure and as if each such use had a direct and separate connection to the Valley Creek Trunk Sewer . . . . . .

SUPPLEMENT TO EXHIBIT B

EAST WHITELAND TRUNK LINE

ALTERNATIVES TO EXHIBIT B FOR VARYING P.L. 660 GRANTS

	ALTERNATIVES			
	1	2	3	4
Federal Grant	30%	30%	30%	40%
State Grant	0	17	30	30
Federal Grant for Regional	3	3	3	4
TOTAL	33%	50%	63%	74%
Estimated Project Cost (1)	$601,960	$601,960	$601,960	$601,960
Eligible Cost	587,960	587,960	587,960	587,960
Grants	194,027	293,980	370,415	435,090
Estimated Project Cost to be Distributed	407,933	307,980	231,545	166,870

		ALTERNATIVES			
Distribution	% of Total Project Cost	1	2	3	4
East Whiteland Municipal Authority	59.45	$283,309	$213,892	$160,808	$115,891
Malvern Municipal Authority	30.55	$124,624	$ 94,088	$ 70,737	$ 50,979
TOTALS	100.00	$407,933	$307,980	$231,545	$166,870

(1) See Sheet 1 of Exhibit B for Breakdown

EXHIBIT B

EAST WHITELAND TRUNK LINE

ENGINEERING COST DISTRIBUTION
FOR DESIGN SERVICES

Engineering Design Fees $25,600

Name of Party	Total Estimated Construction Cost	% Share of Construction Cost	Engineers Cost
East Whiteland Municipal Authority	$328,557	69.45	$17,779
Malvern Municipal Authority	$144,503	30.55	$ 7,821
TOTALS	$473,060	100.00	$25,600

EXHIBIT B

EAST WHITELAND TRUNK LINE

FIRST TWO YEAR OPERATING AND ADMINISTRATIVE EXPENSES

I. Estimated First Two Year Operating Expenses

Salaries and Wages	$ 3,000	
Maintenance and Repairs	1,000	
Miscellaneous	400	
Total I		$ 4,400

II. Estimated First Two Year Administrative Expenses

Salaries and Wages	$ 3,000	
Office Supplies	200	
Insurance and Bonds	1,000	
Engineering	1,000	
Legal	1,000	
Auditing	2,000	
Miscellaneous	1,000	
Total II		$ 9,200
Total I and II		$13,600

EXHIBIT B

EAST WHITELAND TRUNK LINE

DISTRIBUTION OF FIRST TWO YEAR OPERATING AND ADMINISTRATIVE EXPENSES

ALTERNATIVES

	1	2	3	4
Total Expenses from Sheet 3	$13,600	$13,600	$13,600	$13,600
Construction Cost Eligible for State Subsidy (1)	$24,727	$24,727	$24,727	$24,727
Project Cost Eligible for Subsidy	$32,200	$32,200	$32,200	$32,200
State - Federal Grant on Eligible Project Cost	$10,626	$16,100	$20,286	$23,828
Net Eligible Cost for State Subsidy	$21,574	$16,100	$11,914	$ 8,372
State Subsidy (2)	$ 431	$ 322	$ 238	$ 167
Net First Two Year Operating and Administrative Expenses	$21,143	$15,778	$11,676	$ 8,205

ALTERNATIVES

Distribution	% of Total Project Cost	1	2	3	4
East Whiteland Municipal Authority	69.45	$14,684	$10,958	$ 8,109	$ 5,698
Malvern Municipal Authority	30.55	$ 6,459	$ 4,820	$ 3,567	$ 2,507
TOTAL	100.00	$21,143	$15,778	$11,676	$ 8,205

(1) From MH 21-6 to MH 21-4
(2) State subsidy assumed to be received during second year of operation

FROM MH TO MH	COST	DESIGN CAPACITY - MGD	ESTIMATED SHARE %	ESTIMATED COST	DESIGN CAPACITY - MGD	ESTIMATED SHARE %	ESTIMATED COST
WARREN AVENUE							
Twp line to MH 17-11	$ 21,390	0	0	$ 0	2.14	100.0	$ 21,390
MH 17-11 to MH 17-4	4,028	1.1	47.6	1,917	2.14	52.4	2,111
LINCOLN HIGHWAY							
Twp line to MH 18A-1	5,077	0	0	0	0.28	100.0	5,077
ROW and LANCASTER PIKE							
Twp line to MH 18A-1	24,824	0	0	0	0.08	100.0	24,824
MH 18A-1 to MH 17-1	15,495	0	0	0	0.36	100.0	15,495
MH 17-1 to MH 17-4	21,612	1.0	100.0	21,612	0.36	0.0	0
MH 17-4 to MH 12-4	45,310	1.0	47.6	21,568	2.50	52.4	23,742
MH 12-4 to MH 12-5	15,865	1.0	47.6	7,552	2.50	52.4	8,313
MOREHALL ROAD							
MH 12-5 to MH 19-4	47,495	1.0	47.6	22,608	2.50	52.4	24,887
MH 19-4 to MH 20-2	42,805	10.5	100.0	42,805	2.50	0.0	0
MATTHEWS ROAD and ROW							
MH 20-2 to MH 20-8	69,644	10.5	100.0	69,644	2.50	0.0	0
MH 20-8 to MH 21-3	123,271	10.5	88.3	108,848	2.50	11.7	14,423
MH 21-3 to MH 21-6	36,244	10.5	88.3	32,003	2.50	11.7	4,241
TOTAL CONSTRUCTION COST	473,060			328,557			144,503
ENGINEERING, SURVEYING AND INSPECTION	62,000			43,059			18,941
LEGAL, LAND and ROW	18,900			13,126			5,774
CONTINGENCY	48,000			33,336			14,664
TOTAL PROJECT COST ALLOCATED TO TRUNK LINE	$601,960			$418,078			$183,882

SETTLEMENT AGREEMENT – APPLICATION EXHIBIT F23

SETTLEMENT AGREEMENT

THIS SETTLEMENT AGREEMENT ("Agreement"), is made this _____ day of _____, 201__, by and between plaintiffs **Tredyffrin Township Municipal Authority** ("TTMA"), a Pennsylvania municipal corporation organized under the Pennsylvania Municipal Authorities Act of 1945 ("Act of 1945") with an office address of 1100 DuPortail Road, Berwyn, PA and **Tredyffrin Township** ("Tredyffrin"), a Pennsylvania municipality with an office address of 1100 DuPortail Road, Berwyn, PA; and defendants **East Whiteland Township** ("East Whiteland"), a Pennsylvania municipality with an office address of 209 Conestoga Road, Frazer, PA; **East Whiteland Municipal Authority** ("EWMA"), a Pennsylvania municipal corporation organized under the Act of 1945 with an office address of 209 Conestoga Road, Frazer, PA; **Easttown Township** ("Easttown"), a Pennsylvania municipal corporation with an office address of 566 Beaumont Road, P.O. Box 79, Devon PA; **Easttown Township Municipal Authority** ("ETMA"), a Pennsylvania municipal corporation organized under the Act of 1945 with an office address of 566 Beaumont Road, P.O. Box 79, Devon, PA; **Willistown Township** ("Willistown"), a Pennsylvania municipality with an office address of 688 Sugartown Road, Malvern, PA; **Willistown Township Municipal Authority** ("WTMA"), a Pennsylvania municipal corporation organized under the Act of 1945 with an office address of 688 Sugartown Road, Malvern, PA; **Malvern Borough** ("Malvern"), a Pennsylvania municipality with an office address of One East First Avenue, Suite Three, Malvern, PA; **Malvern Municipal Authority** ("MMA"), a Pennsylvania municipal corporation organized under the Act of 1945 with an office address of One East First Avenue, Malvern, PA; **Charlestown Township** ("Charlestown"), a Pennsylvania municipality with an office address of 4030 Whitehorse Road, Malvern, PA; **East Pikeland Township** ("East Pikeland"), a Pennsylvania municipality with an office address of 1158 Rapps Dam Road, Phoenixville, PA; **Schuylkill Township** ("Schuylkill"), a Pennsylvania municipality with an office address of 111 Valley Park Road, Phoenixville, PA; and **Valley Forge Sewer Authority** ("VFSA"), a Pennsylvania municipal corporation organized under the Act of 1945 with an office address of 333 Pawling Road, Phoenixville, PA (collectively referred to as the "Municipal Defendants"), all located within Chester County, Pennsylvania (altogether "the Parties").

WHEREAS, the Valley Creek Trunk Sewer ("VCTS") is a sewer system that consists of 49,000 lineal feet of gravity sewers, as well as the Darby Road Pump Station and Force Main, and the Wilson Road Pump Station ("WRPS") and Force Main ("WRFM"), as shown more particularly on the map attached hereto and incorporated herein by reference as Exhibit "A;" and

WHEREAS, in addition to accepting untreated sewage flows from Tredyffrin, the VCTS also accepts untreated sewage flows from Easttown, East Whiteland, Willistown, Malvern and the VFSA, and the VFSA, in turn, accepts flows from Schuylkill, East Pikeland and Charlestown; and

WHEREAS, the VFSA operates the Valley Forge Treatment Plant ("Treatment Plant"), which treats the sewage flows from the VCTS, as well as the flows from Schulykill, East Pikeland and Charlestown; and

WHEREAS, Tredyffrin, Easttown, East Whiteland, Willistown, Malvern, VFSA, Schuylkill, East Pikeland, Charlestown, the MMA, EWMA, TTMA and ETMA are all parties to the Valley Forge Sewage Treatment Plant Agreement, as amended ("VFSTPA"); which, inter alia, addresses issues associated with the receipt and treatment of sewage by the VFSA (VFSA, Schuylkill, East Pikeland and Charlestown are hereinafter referred to collectively as the "VFSA Member Municipalities"); and

WHEREAS, the TTMA owns the VCTS; and

WHEREAS, in 1970, Tredyffrin, TTMA, Easttown, ETMA, East Whiteland, EWMA, Malvern, MMA, Willistown, WTMA, and the VFSA Member Municipalities entered into the Valley Creek Trunk Sewer System Agreement ("1970 VCTS Agreement"); and

WHEREAS, the 1970 VCTS Agreement was executed to facilitate the construction and use of the VCTS with the intention of allocating the construction, operation, and maintenance and repair costs between Tredyffrin and the Municipal Defendants; and

WHEREAS, pursuant to the terms of the 1970 VCTS Agreement and a Lease Agreement dated October 1, 1989, Tredyffrin leases the VCTS from the TTMA, and pursuant to the conditions of the lease, Tredyffrin has assumed all obligations for operation and maintenance of the VCTS, subject to the obligations of the Municipal Defendants to contribute allocated shares of capital and operating expenses as per the 1970 VCTS Agreement; and

WHEREAS, the EWMA was created by the Board of Supervisors of East Whiteland pursuant to Ordinance 32-67 enacted on July 5, 1967; and

WHEREAS, the EWMA at a public meeting held on May 7, 2015 adopted a Certificate of Termination effectuating the termination of its existence and conveying all ownership interests to East Whiteland; and

WHEREAS, the Board of Supervisors of East Whiteland enacted Ordinance 269-2015 on July 8, 2015 approving the Certificate of Termination of the EWMA and accepting all of the property and interests of EWMA; and

WHEREAS, the Malvern Borough Council at a public meeting held on March 1, 1994, passed a resolution approving the Certificate of Termination of MMA and accepting all of the property and interests of MMA; and

WHEREAS, the WTMA was created by Ordinance dated March 23, 1971, and Article of Incorporation were filed with the Pennsylvania Department of State on April 16, 1971; and

WHEREAS, on June 18, 1985, the WTMA adopted a Certificate of Termination; and

WHEREAS, on October 28, 1986, the Willistown Township Board of Supervisors approved the Certificate of Termination of the WTMA and agreed to accept all property of the authority and to become responsible for any and all outstanding obligations of the WTMA; and

WHEREAS, the Certificate of Termination for the WTMA was filed with the Pennsylvania Department of State on November 4, 1986; and

WHEREAS, on March 17, 2012, February 5, 2014 and March 18, 2014, the WRFM, a component of the VCTS, experienced three (3) separate breaches resulting in the release of untreated sewage into Valley Creek; and

WHEREAS, to resolve litigation by the Commonwealth of Pennsylvania, Department of Environmental Protection ("DEP") related to the breaches of the WRFM, Tredyffrin and the TTMA entered into a Consent Decree with DEP, which was approved by Court Order dated November 25, 2014; and

WHEREAS, a disagreement arose between Tredyffrin and the Municipal Defendants as to the application of the 1970 VCTS Agreement to these recent breaches of the WRFM and the costs associated to each of them for the repair and rehabilitation to the WRFM ("WRFM Rehabilitation"); and

WHEREAS, TTMA and Tredyffrin filed a complaint for declaratory judgment against the Municipal Defendants on March 4, 2016 at Docket No 2016-01966-MJ in the Court of Common Pleas of Chester County, Pennsylvania, seeking a declaration, among other things, of the right of TTMA to sell the VCTS ("Declaratory Judgment Action"); and

WHEREAS, TTMA, Tredyffrin and the Municipal Defendants have agreed to pursue a sale of the VCTS through a public bid process and to terminate the 1970 VCTS Agreement in the event the sale is satisfactorily completed.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained and in consideration of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the Parties hereto, the TTMA, Tredyffrin and the Municipal Defendants, each intending to be legally bound hereby, agree as follows:

1. Incorporation of Background Paragraphs. The foregoing background paragraphs are incorporated herein by reference as if fully set forth herein.

2. Sale of VCTS. The Parties hereto agree to sell the VCTS through a public bid process. Further, the Parties acknowledge that TTMA has the authority to sell the VCTS, subject to the terms of this Agreement. The sale of the VCTS shall be further subject to the approval of each of the Parties hereto at a properly noticed public meeting, to be held after negotiation of a draft asset purchase agreement, if so determined in the sole discretion of any of the parties hereto, which approval shall be not be withheld if the terms of the sale are consistent with this Agreement. Notwithstanding the Parties' agreement to sell the VCTS, such agreement shall not constitute an admission by the Parties in the Declaratory Judgment Action relative to any claims made by TTMA or Tredyffrin.

3. Terms.

A. Cost allocation for WRFM Rehabilitation. The Parties agree that the total cost of repair and rehabilitation to the WRFM shall be allocated as set forth in Exhibit B to the 1970 VCTS Agreement as follows:

Tredyffrin – 33.25%
East Whiteland – 30.09%
Willistown – 14.37%
Easttown – 14.22%
Malvern – 7.93%
VFSA – 0.14%

(1) The total costs (engineering, construction, permitting, etc.) for the WRFM Rehabilitation ("WFRM Rehabilitation Costs") are attached hereto and incorporated herein as Exhibit "B."

B. Carrying costs. Tredyffrin has agreed to advance payment of all costs associated with the WRFM Rehabilitation, which advance shall act as a loan to Easttown, East Whiteland, and Malvern ("Tredyffrin Loan") in the amounts of their respective shares of the total cost allocation set forth above. Easttown, East Whiteland, and Malvern shall pay interest to Tredyffrin on their allocated share of the costs pursuant to Paragraph 3.A at the rate of two percent (2%) beginning from thirty (30) days after the date Tredyffrin was issued an invoice by any vendor associated with the WRFM Rehabilitation. Interest on the Tredyffrin Loan shall continue to accrue until such time as the sale of the VCTS is completed following the public bid process pursuant to the provisions in Paragraph 3.C below. A current schedule of the accrued interest for Easttown, East Whiteland, and Malvern is attached hereto as Exhibit "C."

(1) Willistown has chosen not to participate in the Tredyffrin Loan, and will instead pay Tredyffrin in full its allocated share of the WRFM Rehabilitation Costs. Willistown has been invoiced for and has paid all amounts currently owed by Willistown, provided a sale of the VCTS is completed.

(2) VFSA has chosen not to participate in the Tredyffrin Loan, and will instead pay Tredyffrin in full its allocated share of the WRFM Rehabilitation Costs. VFSA has been invoiced for and has paid all amounts currently owed by VFSA, provided a sale of the VCTS is completed.

C. Public Sale of VCTS. The Parties agree to conduct a sale of the VCTS through the public bid process and in accordance with Act 12 of 2016, if applicable. The Parties agree that the VCTS shall be sold to the highest responsible bidder in accordance with the terms outlined herein regarding minimum bid requirements and the other limitations set forth herein. If any clause or provision of this Agreement or the application thereof to any of the Parties or in any circumstance shall to any extent be invalid or unenforceable, the remainder of this Agreement, or the application of such clause or provision to the Parties or in circumstances other than those as to which it is invalid or unenforceable, shall be valid and enforceable to the fullest extent permitted by law.

(1) Minimum Bid Requirements for Sale of VCTS. The Parties agree that the following minimum terms must be first established to consummate any sale of the VCTS. The Parties further agree that if the following minimum terms are met then each party hereto consents to the sale pursuant to the terms outlined herein. The minimum bid requirements for the sale of the VCTS are as follows:

(a) Minimum Sale Price. The Parties agree that the sale of the VCTS must meet the minimum sum total of the following:

(i) WRFM Rehabilitation Costs in the amount set forth in Exhibit "B;" and

(ii) 2010-2015 Capital Costs (set forth in Exhibit "G") at 90% of Net Book Value;

(iii) 2016 and 2017 Capital Costs (set forth in Exhibit "H"); and

(iv) An additional $3 million.

(b) Rate Cap. The Parties agree that there shall be a three (3) year rate cap from the date of the sale of the VCTS as part of any public bid package for the sale of the VCTS for any purchaser of the VCTS.

(c) No Reserve Amount. The Parties agree that the public bid package and the final sale agreement shall include a provision prohibiting any monetary reserve amount to be held by any buyer of the VCTS out of the proceeds of the sale of the VCTS.

(d) Black-out Period. No party shall engage in discussions or negotiations for the sale of any of its sewage collection systems or treatment plants, excluding the VCTS as outlined herein, until at least thirty (30) days have expired since the award of the bid, unless all Parties hereto consent in writing.

(e) Existing Capacity per Cost Allocation of Exhibit B of 1970 VCTS Agreement. All existing sewer capacity (measured on a peak flow basis) in the WRFM shall be allocated according to each party's percentage of the original cost allocation per Exhibit B of the 1970 VCTS Agreement, as detailed in Exhibit "D" hereto ("Existing Capacity"), and shall be guaranteed as part of any public bid package and as confirmed by the Updated Act 537 Plan. The Parties agree that any party to this Agreement (referred to as a "Buying Party") may purchase from any other party to this Agreement (referred to as the "Selling Party") all or a portion of the Selling Party's Existing Capacity upon agreement of both the Buying Party and Selling Party and approval of DEP. The purchase price to be paid by the Buying Party for the Existing Capacity shall be determined by dividing the WRFM Rehabilitation Costs, as set forth in Exhibit "B," by the Existing Capacity (measured at peak flow) for the WRFM prior to rehabilitation, as set forth in Exhibit "D," as adjusted annually based on the Consumer Price Index for All Items for the Philadelphia-Wilmington-Atlantic City region. A calculation of the purchase price is set forth in Exhibit "E"

attached hereto. The right to purchase Existing Capacity from another party on these terms shall survive settlement of the sale of the VCTS but shall expire in 2040. The Parties further agree that they may transfer any portion of their allocated Existing Capacity in the WRFM to the buyer of the VCTS after settlement only with the approval of DEP.

(f) Excess Capacity. The parties agree that in the event a sale occurs the buyer will be buying the VCTS in its current state, including its capacity to carry amounts of sewage in excess of the Existing Capacity due to the WRFM Rehabilitation (including the relining of the WRFM). The total amount of potential additional capacity ("Excess Capacity") created through the rehabilitation of the WRFM is defined as the difference between the capacities of the rehabilitated WRFM per the Act 537 Supplement for Wilson Road Force Main prepared for Tredyffrin Township by CH2M dated October 2016 as approved by DEP letter dated March 15, 2017 ("Updated Act 537 Plan") less the operating capacity of 20.16 MGD per the 2010 Act 537 Plan, which calculation is attached hereto and incorporated herein by reference as Exhibit "F." It is expressly understood that utilization of all or any portion of the Excess Capacity is subject to all applicable laws, rules, regulations, and agreements, including, without limitation the VFSTPA and Paragraph 8 below.

(g) Existing Capacity in VCTS Exclusive of WRFM. All existing sewer capacity (measured on a peak flow basis) in the VCTS exclusive of WRFM shall be allocated according to each party's percentage of the original cost allocation per Exhibit B of the 1970 VCTS Agreement, as detailed in Exhibit "D" hereto ("Existing Capacity"), and shall be guaranteed as part of any public bid package and as confirmed by the Updated Act 537 Plan.

D. Proceeds of Sale of VCTS. The proceeds of any sale of the VCTS as outlined herein shall be disbursed and paid in accordance with the following:

(1) Reimbursement for WRFM Rehabilitation Costs. Tredyffrin, Willistown, and VFSA shall be reimbursed 100% of the allocated costs paid by Tredyffrin, Willistown, and VFSA for the WRFM Rehabilitation out of the proceeds of the sale of the VCTS at the time of settlement. Further, Tredyffrin shall be paid 100% of the Tredyffrin Loan incurred by Easttown, East Whiteland, and Malvern, in their allocated amounts pursuant to Section 3.A above, plus interest at 2% as outlined in Paragraph 3.B above, out of the proceeds of the sale of the VCTS at the time of settlement.

(2) 2010-2015 Capital Costs. During the years 2010 through 2015, Tredyffrin, Easttown, East Whiteland, Willistown, Malvern and VFSA incurred certain costs for capital repairs and maintenance to the VCTS, which capital costs the Parties hereto agree shall be reimbursed pursuant to the terms of this Agreement and paid out of the proceeds of the sale of the VCTS at the time of settlement. A spreadsheet of the capital costs incurred between 2010 and 2015 is attached hereto and incorporated herein by reference as Exhibit "G." The costs shall be reimbursed based upon 90% of the Net Book Value of the repairs as of December 31, 2015 in the

following percentages, which represent the allocated depreciation for each municipality, and in the following amounts:

Tredyffrin – 24.09%	$1,561,775
East Whiteland – 12.86%	$833,791
Willistown – 11.13%	$721,498
Easttown – 48.42%	$3,138,437
Malvern – 1.49%	$96,767
VFSA – 2.00%	$129,730

(3) 2016 & 2017 Capital Costs (Excluding WRFM Rehabilitation Costs). The Parties agree that any capital improvement costs incurred and paid in 2016 and 2017, excluding those costs associated with the WRFM Rehabilitation, shall be reimbursed 100% to Tredyffrin, Easttown, East Whiteland, Willistown, Malvern and VFSA based upon the allocated percentage of each municipalities' capital contribution for the years 2016 and 2017. Said costs shall be paid out of the proceeds of the sale of the VCTS at the time of settlement. A spreadsheet of the capital costs incurred for 2016 and 2017 is attached hereto and incorporated herein by reference as Exhibit "H."

(4) Residual Sale Proceeds. Any additional sale proceeds remaining from the sale of the VCTS following the disbursement of payments set forth in Sections 3.D.(1), (2) and (3) shall be allocated and paid as set forth in Exhibit B to the 1970 VCTS Agreement as follows:

Tredyffrin – 33.25%
East Whiteland – 30.09%
Willistown – 14.37%
Easttown – 14.22%
Malvern – 7.93%
VFSA – 0.14%

4. Effect of Sale on 1970 VCTS Agreement. Upon consummation of closing of the sale of the VCTS, the Parties agree that the 1970 VCTS Agreement shall automatically terminate and shall be null and void without any further action or approval required by any of the Parties, with the exception of Article IV, Operating Expenses of the VCTS, which paragraph shall survive the closing of the sale of the VCTS, until issuance of the "Final" Annual Statement in accordance with 4.05 of the 1970 VCTS Agreement. The "Final" Annual Statement shall cover the time period from the close of the calendar year of the most recently issued Annual Statement to the date of closing of the sale of the VCTS.

5. Effect of Sale on Declaratory Judgment Action. Within thirty (30) days of the date of consummation of closing of the sale of the VCTS, TTMA and Tredyffrin shall file a "Praecipe to Settle, Discontinue and End" the Declaratory Judgment Action in the Court of Common Pleas of Chester County, Pennsylvania.

6. Effect of Sale on the Amendment to East Whiteland Trunk Line Agreement. The Parties agree that this Agreement shall not affect or alter any of the terms of the Amendment to East Whiteland Trunk Line Agreement, dated April 18, 2014, between East Whiteland, EWMA and VFSA, a true and correct copy of which is attached hereto and incorporated herein by reference as Exhibit "I." More specifically, the Parties acknowledge and confirm that this Agreement does not alter or affect the reserved capacity for VFSA in the East Whiteland Trunk Line of 432,302 gallons per day as noted in paragraph 2.a of Exhibit "I."

7. Ongoing Operations. Tredyffrin Township will continue to operate the VCTS system until final settlement of the VCTS occurs. Any operating costs will be allocated based on Section 4.01, "Proportion," of the 1970 VCTS Agreement. A final audit will be completed after settlement and a final reconciliation of funds will be completed and provided to the Parties.

8. No Effect of Sale on Valley Forge Sewage Treatment Plant Agreement.

A. Continuation of the Valley Forge Sewage Treatment Plant Agreement. The Parties hereto hereby:

(1) ratify and confirm that the VFSTPA is a valid, binding agreement, binding on all parties thereto in accordance with all of its terms;

(2) confirm that the VFSTPA shall remain in full force and effect irrespective of a sale of the VCTS;

(3) confirm that the VFSTPA shall not be amended without the prior written consent of all parties to the VFSTPA; and

(4) confirm that the buyer of the VCTS shall enter into an agreement that: (a) obligates it to convey all flow required to be conveyed to the Treatment Plant under and in accordance with the 1970 VCTS Agreement (as amended), the VFSTPA, and the current Act 537 Plan to the Treatment Plant; (b) grants to the buyer of the VCTS, among other things, all rights to convey wastewater originating in each municipality named herein through the VCTS to the Treatment Plant in accordance with the terms and conditions contained in the 1970 VCTS Agreement (as amended) and the VFSTPA; (c) may make the buyer of the VCTS secondarily liable for certain obligations of the municipal parties under the VFSTPA; and (d) contains such provisions that are necessary to sell the VCTS and that are agreed upon by all of the Parties hereto. Nothing in the foregoing shall mean that the Parties will be prohibited from selling or otherwise conveying any interest in their collection systems or assigning their collections system or the VCTS to any buyer. Moreover, nothing in the foregoing shall relieve the Parties from performing their primary obligations under the VFSTPA such as enacting and enforcing requisite ordinances, and taking responsibility for ensuring the acceptability standards of strength and contents of residential, commercial and industrial waste as well as pre-treatment where necessary as set forth in the VFSTPA.

B. Addressing the VFSTPA in the Sale Process, Request for Proposals and Asset Purchase Agreement. Any request for proposals or request for bids ("Request for Proposal") issued as part of the effort to sell the VCTS and any asset purchase agreement executed to sell the VCTS shall contain certain mandatory provisions, as follows:

(1) The VFSTPA shall be included, along with the form of the asset purchase agreement in the Request for Proposals.

(2) No provision shall be included in any Request for Proposal or any asset purchase agreement that is inconsistent with any provision of the VFSTPA or which would render performance of VFSTPA impractical or otherwise adversely impact the ability of all parties to the VFSTPA to perform all of their obligations thereunder.

(3) Any Request for Proposal relating to the sale of the VCTS shall state that the VFSTPA is now and will remain enforceable in accordance with all of its terms; this shall include, but not be limited to all rights and obligations of any nature whatsoever contained within the VFSTPA, provided, however, that the buyer of the VCTS shall be granted the right to convey wastewater originating in each municipality named herein that may be conveyed under the VFSTPA through the VCTS to the Treatment Plant in accordance with the 1970 VCTS Agreement and the VFSTPA.

(4) The asset purchase agreement included in the bidding process shall state that the VFSTPA is now and will remain enforceable in accordance with all of its terms; this shall include, but not be limited to all rights and obligations of any nature whatsoever contained within the VFSTPA, provided, however, that the buyer of the VCTS shall be granted the right to convey wastewater originating in each municipality named heretin that may be conveyed under the VFSTPA through the VCTS to the Treatment Plant in accordance with the 1970 VCTS Agreement and the VFSTPA.

(5) The asset purchase agreement shall confirm that the process for approvals of expansion, capital contributions and execution of capital improvements to the Treatment Plant will occur pursuant to the terms of the VFSTPA.

(6) The asset purchase agreement shall provide that no buyer of the VCTS shall be appointed to the Joint Treatment Plant Board by any party to the VFSTPA.

(7) The Parties hereto all acknowledge and agree that nothing in this Settlement Agreement shall be construed to alter their jurisdiction or responsibility over sewage facilities planning and sewer service through the Act 537 planning program, and their respective zoning, subdivision and land development ordinances and comprehensive land use planning policies.

C. Consultants. The Parties plan to engage Dilworth Paxson, LLP and PFM Group to advise them in connection with the sale of the VCTS. All Parties to the Settlement Agreement shall be clients of Dilworth and PFM or any successor financial advisory or law firm engaged with respect to the proposed transaction. Each Party shall designate a principal and (if they wish) an attorney to be its representative on a working group (the "Working Group") and each member of the Working Group shall receive drafts of the Request for Proposals, asset purchase

agreement, and all other communications from Dilworth and PFM. All professional consultant fees and costs incurred as part of the sale of the VCTS, including but not limited to attorneys' fees (Dilworth Paxson, LLP), engineering fees, accounting fees, appraisal fees, and fees associated with the public bid process from the PFM Group, shall be paid as follows: each of the following municipal entities shall pay $5,000.00 to Dilworth Paxson, LLP as retainer (the "Equal Professional Consultant Fee Share"): Tredyffrin; Easttown; East Whiteland; Willistown; Malvern; and VFSA. The Equal Professional Consultant Fee Share shall be billed directly to said municipal entities. The Parties further agree that all professional consultant fees in excess of the Equal Professional Consultant Fee Share shall be paid at settlement, out of the initial proceeds of the transaction, "above the line," meaning prior to any proceeds distribution outlined in Section 3.D herein. Individual Parties hereto may request party specific legal advice which costs will be billed separately to the specific party by the legal counsel.

9. No Admissions. The entry of this Agreement by the Parties hereto does not constitute an admission by any of them of the merit or lack of merit of any claims, allegations or defenses that they may have or ever had against one another. Rather, the Parties agree that the consideration set forth in this Agreement represents a fair, reasonable, arm's length resolution of disputed claims, and that the Parties are entering this Agreement without making any admissions, and are doing so solely in order to avoid the time, expense, and risk that would be involved in proceeding any further with respect to such claims and with respect to the declaratory action filed by TTMA and Tredyffrin.

10. No Other Promises or Inducements. The Parties warrant that no promise or inducement has been made or offered to any of them for this Agreement except as set forth in this Agreement, and that this Agreement is executed without reliance on any statement or representation by any of the Parties to any of the other Parties, or by any agents or representatives of any of the Parties to any of the other Parties, except as set forth in this Agreement.

11. Advice of Counsel; Voluntary Execution of Agreement. The Parties acknowledge that they have consulted with and have received the advice of their counsel with respect to the matters set forth in this Agreement; that they have had sufficient time to do so; that they have given full and careful consideration to all of the terms and conditions of this Agreement; and that they are executing this Agreement voluntarily and not as the result of any coercion or improper influence.

12. Severability. If any term, covenant, condition, or provision of this Agreement, or the application of them to any circumstances is, at any time or to any extent, determined by a court of competent jurisdiction to be invalid or unenforceable, the remainder of this Agreement or its application to circumstances other than those to which it is held invalid or unenforceable shall not be affected, and each term, covenant, condition, and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

13. Negotiated Agreement. The Agreement is the result of a negotiated settlement and shall not be construed as having been prepared by any one Party.

14. Counterparts. This Agreement may be executed in counterparts, each of which shall be considered to be as fully binding as if all Parties had executed it.

15. Governing Law. This Agreement shall be governed and construed in accordance with the laws of the Commonwealth of Pennsylvania.

16. Entire Agreement; Amendment. This Agreement is the entire and only understanding and agreement with respect to the subject matter hereof, and supersedes all prior and contemporaneous agreements, understandings, inducements or conditions, express or implied, oral or written. This Agreement may be modified or amended only upon the mutual written consent of all of the Parties hereto, or their respective legal representatives, successors or assigns.

17. Mutual Release. The Parties agree that if the sale of the VCTS is completed pursuant to this Agreement, and if the "Praecipe to Settle, Discontinue and End" is filed pursuant to Paragraph 5 above, then all Parties hereto agree that, except for breaches of this Agreement and any pending claims arising from the issuance of an Annual Statement and the "Final" Annual Statement in accordance with 4.05 of the 1970 VCTS Agreement, they shall release and forever discharge each other, their agents, representatives, assigns, heirs, executors, administrators, successors, affiliates, and subsidiaries from any and all past, present or future actions or claims, whether known or unknown, whether based on contract, negligence, or insurance coverage, as well as any claim for counsel fees, and for any other expense or damage arising out of or involved in the Declaratory Judgment Action or under the 1970 VCTS Agreement, whether in contract or tort, or on any other basis.

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WHEREFORE, the Parties have executed this Agreement or have caused this Agreement to be executed on their behalf by the signatures of the duly authorized representatives set forth below.

ATTEST:

TREDYFFRIN TOWNSHIP MUNICIPAL AUTHORITY

ATTEST:

TREDYFFRIN TOWNSHIP

ATTEST:

EAST WHITELAND TOWNSHIP

ATTEST:

EASTTOWN TOWNSHIP

ATTEST:

EASTTOWN TOWNSHIP MUNICIPAL AUTHORITY

ATTEST:

WILLISTOWN TOWNSHIP

ATTEST:

MALVERN BOROUGH

WHEREFORE, the Parties have executed this Agreement or have caused this Agreement to be executed on their behalf by the signatures of the duly authorized representatives set forth below.

ATTEST:

TREDYFFRIN TOWNSHIP MUNICIPAL AUTHORITY

_____

_____

ATTEST:

TREDYFFRIN TOWNSHIP

_____

_____

ATTEST:

EAST WHITELAND TOWNSHIP

_____

William Holmes

ATTEST:

EASTTOWN TOWNSHIP

_____

_____

ATTEST:

EASTTOWN TOWNSHIP MUNICIPAL AUTHORITY

_____

_____

ATTEST:

WILLISTOWN TOWNSHIP

_____

_____

ATTEST:

MALVERN BOROUGH

_____

_____

WHEREFORE, the Parties have executed this Agreement or have caused this Agreement to be executed on their behalf by the signatures of the duly authorized representatives set forth below.

ATTEST:

TREDYFFRIN TOWNSHIP
MUNICIPAL AUTHORITY

_____ _____

ATTEST:

TREDYFFRIN TOWNSHIP

_____ _____

ATTEST:

EAST WHITELAND TOWNSHIP

_____ _____

ATTEST:

EASTTOWN TOWNSHIP

_____ _____

ATTEST:

EASTTOWN TOWNSHIP
MUNICIPAL AUTHORITY

_____ _____

ATTEST:

WILLISTOWN TOWNSHIP

_____ _____

ATTEST:

MALVERN BOROUGH

_____ _____

WHEREFORE, the Parties have executed this Agreement or have caused this Agreement to be executed on their behalf by the signatures of the duly authorized representatives set forth below.

ATTEST:

TREDYFFRIN TOWNSHIP MUNICIPAL AUTHORITY

_____ _____

ATTEST:

TREDYFFRIN TOWNSHIP

_____ _____

ATTEST:

EAST WHITELAND TOWNSHIP

_____ _____

ATTEST:

EASTTOWN TOWNSHIP

_____ _____

ATTEST:

8-8-2017

EASTTOWN TOWNSHIP MUNICIPAL AUTHORITY

_____ _____

ATTEST:

WILLISTOWN TOWNSHIP

_____ _____

ATTEST:

MALVERN BOROUGH

_____ _____

WHEREFORE, the Parties have executed this Agreement or have caused this Agreement to be executed on their behalf by the signatures of the duly authorized representatives set forth below.

ATTEST:

TREDYFFRIN TOWNSHIP
MUNICIPAL AUTHORITY

_____

_____

ATTEST:

TREDYFFRIN TOWNSHIP

_____

_____

ATTEST:

EAST WHITELAND TOWNSHIP

_____

_____

ATTEST:

EASTTOWN TOWNSHIP

_____

_____

ATTEST:

EASTTOWN TOWNSHIP
MUNICIPAL AUTHORITY

_____

_____

ATTEST:

WILLISTOWN TOWNSHIP

David L. Brown

William R. Greenplate

ATTEST:

MALVERN BOROUGH

_____

_____

WHEREFORE, the Parties have executed this Agreement or have caused this Agreement to be executed on their behalf by the signatures of the duly authorized representatives set forth below.

ATTEST:

TREDYFFRIN TOWNSHIP MUNICIPAL AUTHORITY

_____ _____

ATTEST:

TREDYFFRIN TOWNSHIP

_____ _____

ATTEST:

EAST WHITELAND TOWNSHIP

_____ _____

ATTEST:

EASTTOWN TOWNSHIP

_____ _____

ATTEST:

EASTTOWN TOWNSHIP MUNICIPAL AUTHORITY

_____ _____

ATTEST:

WILLISTOWN TOWNSHIP

_____ _____

ATTEST:

Christopher Bashore

MALVERN BOROUGH

ATTEST:

CHARLESTOWN TOWNSHIP

ATTEST:

EAST PIKELAND TOWNSHIP

ATTEST:

SCHUYLKILL TOWNSHIP

ATTEST:

VALLEY FORGE SEWER AUTHORITY

ATTEST:

CHARLESTOWN TOWNSHIP

ATTEST:

EAST PIKELAND TOWNSHIP

Kimberly Moretti

Kimberly Moretti, Township Manager

Ronald M. Graham, Board of Supervisors

ATTEST:

SCHUYLKILL TOWNSHIP

ATTEST:

VALLEY FORGE SEWER AUTHORITY

ATTEST:

_____

CHARLESTOWN TOWNSHIP

_____

ATTEST:

_____

EAST PIKELAND TOWNSHIP

_____

ATTEST:

Mary Bird, Township Mgr.

SCHUYLKILL TOWNSHIP

_____

ATTEST:

_____

VALLEY FORGE SEWER AUTHORITY

_____

ATTEST:

_____

CHARLESTOWN TOWNSHIP

_____

ATTEST:

_____

EAST PIKELAND TOWNSHIP

_____

ATTEST:

_____

SCHUYLKILL TOWNSHIP

_____

ATTEST:

Victoria A Buckman

VALLEY FORGE SEWER AUTHORITY

Michael J Cooke

Exhibit A

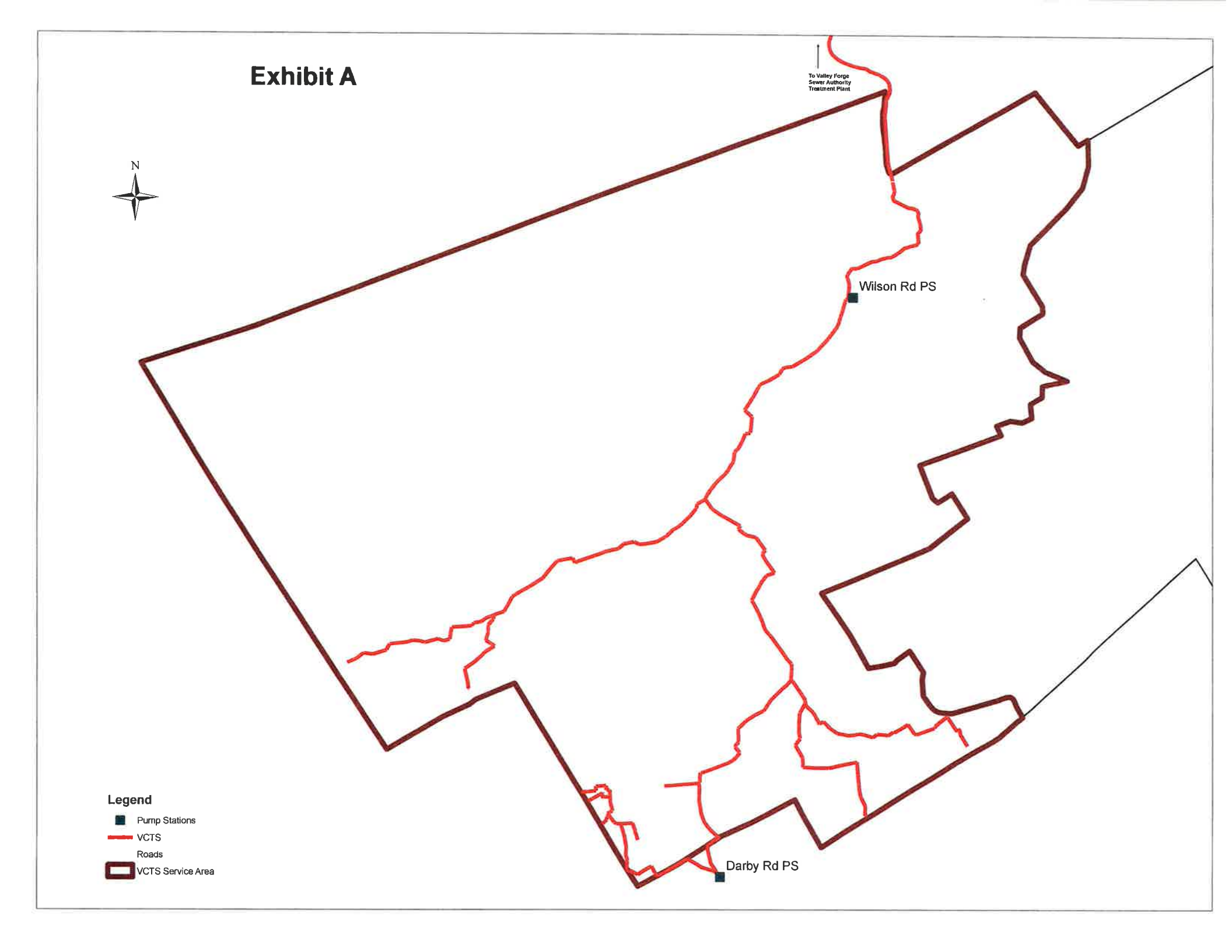

To Valley Forge Sewer Authority Treatment Plant
N
Wilson Rd PS
Darby Rd PS
Legend
Pump Stations
VCTS
Roads
VCTS Service Area

Exhibit B

Tredyffrin Township
Cost Sharing Comparison (Total Costs)
Wilson Road Force Main Rehabilitation

Description	Construction Cost	Cost Allocation Tredyffrin	Cost Allocation East Whiteland	Cost Allocation Easttown	Cost Allocation Malvern	Cost Allocation Willistown	Cost Allocation VFSA	Total
Engineering	$1,317,143	437,953	396,328	187,297	104,449	189,272	1,844	1,317,143
Construction	$17,400,000	5,785,501	5,235,659	2,474,280	1,379,820	2,500,380	24,360	17,400,000
Other - Misc.	$40,858	13,586	12,294	5,810	3,241	5,871	56	40,858
Total Costs	$18,758,001	6,237,040	5,644,281	2,667,387	1,487,510	2,695,523	26,260	18,758,001

Exhibit B

Tredyffrin Township
Cost Sharing Comparison (Engineering)
Wilson Road Force Main Rehabilitation

Description	Construction Cost	Cost Allocation Tredyffrin	Cost Allocation East Whiteland	Cost Allocation Eastlown	Cost Allocation Malvern	Cost Allocation Willistown	Cost Allocation VFSA	Total
Surveying	$119,234	39,645	35,878	16,955	9,455	17,134	167	119,234
Alternatives Analysis	$33,624	11,181	10,117	4,781	2,666	4,832	47	33,624
Conceptual Design	$102,380	34,042	30,806	14,558	8,119	14,712	143	102,380
Design Development	$34,768	11,560	10,462	4,944	2,757	4,996	49	34,768
Final Design	$32,084	10,669	9,654	4,562	2,544	4,610	45	32,084
Project Management	$29,352	9,759	8,832	4,174	2,328	4,218	41	29,352
(Formerly Geotech) Cultural Resources	$51,184	17,019	15,401	7,278	4,059	7,355	72	51,184
Permitting	$161,685	53,760	48,651	22,992	12,822	23,234	226	161,685
Bidding Support	$19,425	6,460	5,845	2,762	1,540	2,791	27	19,425
Construction Support	$699,444	232,565	210,463	99,461	55,466	100,510	979	699,444
Special Services - Surveying	$33,963	11,293	10,219	4,830	2,693	4,880	48	33,963
Total Costs	$1,317,143	437,953	396,328	187,297	104,449	189,272	1,844	1,317,143

Exhibit B

Tredyffrin Township
Cost Sharing Comparison (Construction)
Wilson Road Force Main Rehabilitation

Description	Construction Cost	Cost Allocation Tredyffrin	Cost Allocation East Whiteland	Cost Allocation Easttown	Cost Allocation Malvern	Cost Allocation Willistown	Cost Allocation VFSA	Total
Original Contract	$12,991,337	4,319,625	3,909,091	1,847,367	1,030,212	1,866,855	18,187	12,991,337
Change Order #1 - Pole Relocation	$70,590	23,470	21,241	10,038	5,598	10,144	99	70,590
Change Order #2 - Cleaning/CCTV	$159,189	52,930	47,900	22,637	12,624	22,875	223	159,189
Change Order #3 - Siphon Crossing Rehab	$3,100,000	1,030,750	932,790	440,820	245,830	445,470	4,340	3,100,000
Change Order #4 - Additional Cleaning/CCTV	$159,189	52,930	47,900	22,637	12,624	22,875	223	159,189
Change Order #5 - Matting	$783,256	260,432	235,682	111,379	62,112	112,554	1,097	783,256
Change Order #6 - Additional ARV	$55,000	18,286	16,550	7,821	4,362	7,904	77	55,000
Change Order #7 - Park Restoration	$81,439	27,078	24,505	11,581	6,458	11,703	114	81,439
Total Costs	$17,400,000	5,785,501	5,235,659	2,474,280	1,379,820	2,500,380	24,360	17,400,000

Exhibit B

Tredyffrin Township
Cost Sharing Comparison (Other Misc.)
Wilson Road Force Main Rehabilitation

Description	Construction Cost	Cost Allocation Tredyffrin	Cost Allocation East Whiteland	Cost Allocation Easttown	Cost Allocation Malvern	Cost Allocation Willistown	Cost Allocation VFSA	Total
McMahon & Associates - Traffic	$18,196	6,051	5,475	2,587	1,443	2,615	25	18,196
VFNP Staff Time	$12,152	4,040	3,657	1,728	964	1,746	17	12,152
Guidemark - Road markings	$6,228	2,070	1,874	886	494	895	9	6,228
Optimum Controls - WRPS Settings	$1,774	590	534	252	141	255	2	1,774
Buchart Horn - WRPS support	$1,692	563	509	241	134	243	2	1,692
21st Century Media - Advertising	$626	208	188	89	50	90	1	626
Gannett Fleming - Misc. Svcs	$190	64	57	27	15	27	0	190
Total Costs	$40,858	13,586	12,294	5,810	3,241	5,871	56	40,858

Exhibit C

Tredyffrin Township
Cost Sharing Comparison (Construction)
Wilson Road Force Main Rehabilitation

Description	Construction Cost	Cost Allocation Tredyffrin	Cost Allocation East Whiteland	Cost Allocation Easttown	Cost Allocation Malvern	Cost Allocation Willistown	Cost Allocation VFSA	Total
Payment 1	$805,950	267,979	242,510	114,606	63,912	115,815	1,128	805,950
Invoice Date: 11/17/15								
Interest Begins: 12/17/15								
Interest Charges		0.00	9,886.44	4,672.16	2,605.51	0.00	0.00	17,164.11
Payment 2	$196,452	65,321	59,112	27,935	15,579	28,230	275	196,452
Invoice Date: 1/29/16								
Interest Begins: 2/28/16								
Interest Charges		0.00	2,173.38	1,027.09	572.80	0.00	0.00	3,773.27
Payment 3	$440,117	146,339	132,431	62,585	34,901	63,245	616	440,117
Invoice Date: 3/4/16								
Interest Begins: 4/4/16								
Interest Charges		0.00	4,615.13	2,181.04	1,216.28	0.00	0.00	8,012.45
Payment 4	$2,511,029	834,917	755,569	357,068	199,125	360,835	3,515	2,511,029
Invoice Date: 4/1/16								
Interest Begins: 5/1/16								
Interest Charges		0.00	25,213.23	11,915.31	6,644.77	0.00	0.00	43,773.31
Payment 5	$162,590	54,062	48,923	23,120	12,893	23,364	228	162,590
Invoice Date: 4/29/16								
Interest Begins: 5/29/16								
Interest Charges		0.00	1,557.49	736.04	410.46	0.00	0.00	2,703.99
Payment 6	$2,608,663	867,380	784,947	370,952	206,867	374,865	3,652	2,608,663
Invoice Date: 6/3/16								
Interest Begins: 7/3/16								
Interest Charges		0.00	23,483.89	11,098.07	6,189.01	0.00	0.00	40,770.97
Payment 7	$2,547,535	847,055	766,553	362,259	202,020	366,081	3,567	2,547,535
Invoice Date: 7/1/16								
Interest Begins: 8/1/16								
Interest Charges		0.00	21,715.50	10,262.35	5,722.98	0.00	0.00	37,700.83
Payment 8	$1,946,080	647,071	585,575	276,733	154,324	279,652	2,725	1,946,080
Invoice Date: 7/29/16								
Interest Begins: 8/29/16								
Interest Charges		0.00	15,690.20	7,414.93	4,135.04	0.00	0.00	27,240.17
Payment 9	$2,466,988	820,273	742,317	350,806	195,632	354,506	3,454	2,466,988
Invoice Date: 9/2/16								
Interest Begins: 10/2/16								
Interest Charges		0.00	18,507.08	8,746.12	4,877.40	0.00	0.00	32,130.60

THROUGH DECEMBER 31, 2017

Exhibit C

Tredyffrin Township
Cost Sharing Comparison (Construction)
Wilson Road Force Main Rehabilitation

Description	Construction Cost	Cost Allocation Tredyffrin	Cost Allocation East Whiteland	Cost Allocation Easttown	Cost Allocation Malvern	Cost Allocation Willistown	Cost Allocation VFSA	Total
Payment 10	$2,678,121	890,475	805,847	380,829	212,375	384,846	3,749	2,678,121
Invoice Date: 11/19/16								
Interest Begins: 12/19/16								
Interest Charges		0.00	16,646.81	7,866.99	4,387.14	0.00	0.00	28,900.94
Payment 11	$1,036,475	344,629	311,875	147,387	82,192	148,941	1,451	1,036,475
Invoice Date: 12/19/16								
Interest Begins: 1/9/17								
Interest Charges		0.00	6,117.88	2,891.21	1,612.31	0.00	0.00	10,621.40
Total Construction Costs	$17,400,000	5,785,501	5,235,659	2,474,280	1,379,820	2,500,380	24,360	17,400,000
Total Interest Charges		-	145,607.03	68,811.31	38,373.70	-	-	252,792.04

THROUGH DECEMBER 31, 2017

Exhibit D

Partner	Exhibit B Cost %	Existing Reserved Capacity - Peak Flow (GPD)	Transfers (GPD)	Total Existing Reserve Capacity - Peak Flow (GPD)	Total Existing Reserve Capacity - Average Flow (GPD)
VFSA Pumping Station	0.14%	28,224	11,000	39,224	17,054
East Whiteland**	30.09%	6,066,144		6,066,144	2,637,454
Easttown	14.22%	2,866,752		2,866,752	1,246,414
Malvern	7.93%	1,598,688		1,598,688	695,082
Tredyffrin	33.25%	6,703,200	(11,000)	6,692,200	2,909,652
Willistown	14.37%	2,896,992		2,896,992	1,259,562
	100.00%	20,160,000	-	20,160,000	8,765,217

** Also includes Charlestown Township

Exhibit E

Total Cost per Exhibit A	18,758,001
Total Exisiting Capacity per Exhibit C	20,160,000
Cost of Additional Capacity (BASE rate)	0.93

Exhibit F

Sale of Excess Capacity Exhibit
Wilson Road Force Main

Existing Peak Capacity	20,160,000
Upgraded Peak Capacity	28,100,000
Peak Capacity to be Sold	7,940,000

Exhibit G

2010

	WRPS	S&R Lines	Pipeline	Total Cost	Depr	Depr	Depr	NBV
VFSA	46,472	-	-	46,472	4,937.65	-	-	41,534.35
Tredyffrin	144,699	9,890	8,247	162,836	15,374.27	1,483.50	1,237.05	144,741.18
Easttown	149,125	19,780	6,945	175,850	15,844.53	2,967.00	1,041.75	155,996.72
Malvern	25,413	-	1,302	26,715	2,700.13	-	195.30	23,819.57
Willistown	106,151	3,297	4,777	114,225	11,278.54	494.55	716.55	101,735.36
East Whiteland	241,999		11,289	253,288	25,712.40	-	1,693.35	225,882.25
	713,859	32,967	32,560	779,386	75,847.52	4,945.05	4,884.00	693,709.43

2011

	WRPS	N,P,R & Darby Rd PS	Total Cost	Depr	Depr	NBV
VFSA	92,036	-	92,036	9,778.83	-	82,257.17
Tredyffrin	393,640	26,961	420,601	41,824.25	4,044.15	374,732.60
Easttown	325,530	71,372	396,902	34,587.56	10,705.80	351,608.64
Malvern	69,158	-	69,158	7,348.04	-	61,809.96
Willistown	259,865	9,642	269,507	27,610.66	1,446.30	240,450.04
East Whiteland	606,178		606,178	64,406.41	-	541,771.59
	1,746,407	107,975	1,854,382	185,555.75	16,196.25	1,652,630.00

2012

	WRPS	N,P,R & Darby Rd PS	Force Main Failure	Total	Depr	Depr	Depr	NBV
VFSA	9,618	-	170	9,788	960.08	-	17.00	8,810.92
Tredyffrin	41,135	36,142	38,961	116,238	4,106.13	5,433.53	3,896.16	102,802.18
Easttown	34,017	95,659	12,827	142,503	3,395.61	14,381.20	1,282.72	123,443.47
Malvern	7,227	-	7,457	14,684	721.41	-	745.71	13,216.88
Willistown	27,156	12,940	11,809	51,905	2,710.74	1,945.38	1,180.92	46,067.96
East Whiteland	63,344	-	28,600	91,944	6,323.06	-	2,860.04	82,760.90
	182,497	144,741	99,824	427,062	18,217.03	21,760.11	9,982.55	377,102.31

2013

	N,P,R & Darby Rd PS	Total	Depr	NBV
VFSA	-	-	-	-
Tredyffrin	887,168	887,168	98.91	887,069.09
Easttown	2,348,134	2,348,134	261.79	2,347,872.21
Malvern	-	-	-	-
Willistown	317,632	317,632	35.41	317,596.59
East Whiteland	-	-	-	-
	3,552,934	3,552,934	396.11	3,552,537.89

Exhibit G

2014

	N,P,R & Darby Rd PS	Total	Depr	NBV
VFSA	-	-	-	-
Tredyffrin	145,817	145,817	1,022.22	144,794.78
Easttown	385,945	385,945	2,705.57	383,239.43
Malvern	-	-	-	-
Willistown	52,207	52,207	365.99	51,841.01
East Whiteland	-	-	-	-
	583,969	583,969	4,093.78	579,875.22

2015

	WRPS	N,P,R & Darby Rd PS	Act 537 Plan	Total	Depr	Depr	Depr	NBV
VFSA	2,874	-	8,668	11,542	-	-	-	11,542.00
Tredyffrin	12,292	31,800	37,074	81,166	-	-	-	81,166.00
Easttown	10,165	84,168	30,659	124,992	-	-	-	124,992.00
Malvern	2,160	-	6,513	8,673	-	-	-	8,673.00
Willistown	8,115	11,385	24,474	43,974	-	-	-	43,974.00
East Whiteland	18,929	-	57,091	76,020	-	-	-	76,020.00
	54,535	127,353	164,479	346,367	-	-	-	346,367.00

TOTALS

	Total Cost	Total Depr	NBV		90% of NBV
VFSA	159,838.00	15,693.56	144,144.44	2.00%	129,730.00
Tredyffrin	1,813,826.00	78,520.17	1,735,305.83	24.09%	1,561,775.00
Easttown	3,574,326.00	87,173.53	3,487,152.47	48.42%	3,138,437.00
Malvern	119,230.00	11,710.59	107,519.41	1.49%	96,767.00
Willistown	849,450.00	47,785.04	801,664.96	11.13%	721,498.00
East Whiteland	1,027,430.00	100,995.26	926,434.74	12.86%	833,791.00
	7,544,100.00	341,878.15	7,202,221.85	100%	6,481,998.00

Exhibit H

2016/2017 Non-Rehab Capital Costs
Valley Creek Trunk Sewer

Act 537 Supplement	61,814.28
Wilson Road Pump Station Roof	12,686.71
Total 2016 Capital Costs	**74,500.99**
Act 537 Supplement	13,035.49
Total 2017 Capital Costs	**13,035.49**

Note: The 2017 numbers are unaudited figures as of 6/15/2017 and are subject to change upon completion of the 2017 VCTS audit.

Exhibit I

AMENDMENT TO EAST WHITELAND TRUNK LINE AGREEMENT

This Amendment to East Whiteland Trunk Line Agreement is made this 18 day of April, 2014, between EAST WHITELAND TOWNSHIP ("East Whiteland"), a township of the second class, EAST WHITELAND MUNICIPAL AUTHORITY ("East Whiteland Authority"), a municipal authority organized by East Whiteland and VALLEY FORGE SEWER AUTHORITY, a municipal authority organized by Charlestown, East Pikeland and Schuylkill Townships.

BACKGROUND

A. On December 27, 1978, East Whiteland Authority and Valley Forge Sewer Authority entered into a cost sharing agreement for the Sidley Road Trunk Line repairs as indicated on Schedule A attached thereto to provide sewer service to the southern portion of Charlestown Township through the East Whiteland Trunk Line (and the Valley Creek Trunk Line) to the Valley Forge Sewage Treatment Plant.

B. On December 12, 1979, the parties hereto among others entered in an Amendment to the East Whiteland Trunk Line Agreement dated as of February 1, 1971, as amended by Composite Amendment No. 1, dated as of December 1, 1974, to reserve for the Valley Forge Sewer Authority 300,000 gallons per day of reserved capacity in the East Whiteland Trunk Line (as extended to the boundary to Charlestown Township via the "Great Valley Line") and the Mill Lane Pumping Station, to transmit sewage from Charlestown Township through the East Whiteland Trunk Line (and the Valley Creek Trunk Line) to the Valley Forge Sewage Treatment Plant.

C. The purpose of this Agreement Amendment is to establish a new and increased reserve capacity for the Valley Forge Sewer Authority within and through the East Whiteland sewer system. This Agreement Amendment shall also serve to establish the cost sharing between East Whiteland and the Valley Forge Sewer Authority.

D. This Agreement Amendment hereby declares that Valley Forge Sewer Authority shall have a reserved capacity within and through the East Whiteland system as apportioned below.

E. This Agreement Amendment also amends Article VI Section 6.01 of the East Whiteland Trunk Line Agreement to include the use of Tele-metering devices for transmitting flow signals from certain VFSA Sewage Discharge points into the East Whiteland system.

F. For purposes of this Agreement, the various portions of the East Whiteland Township sewer system are defined as follows:

1. East Whiteland Trunk Line (A) - The Trunk Line (A) shall include the gravity line through the Mill Lane Pump Station, the Mill Lane Pump Station force main, and gravity lines from the force main through the point at which the force main turns to gravity and then south and east to the point at which the East Whiteland gravity sewer leaves East Whiteland and then enters the Tredyffrin System.

2. East Whiteland Trunk Line (B) - The Trunk Line (B) shall include the gravity line from Charlestown Township along Conestoga Road through the Hillbrook Pump Station, the Hillbrook Pump Station force main, and gravity lines from the force main to the discharge point at the Mill Lane Pump Station.

3. Great Valley Line – The Great Valley Line shall include the existing gravity line to the Mill Lane Pump Station from the East Whiteland/Charlestown Township line to the terminal manhole at the east end of the James Thomas Road cul-de-sac thence along and/or through James Thomas Road, Aston Road, Phoenixville Pike, Hayes Road, Sidley Road, Moores Road, across the Aegon property, under Rt 202 to the Mill Lane Pump Station. The portion of sewer line along Sidley Road is also known as the Sidley Road Trunk Line. The portion of Great Valley Line in Sidley Road from manhole 67-24 at Lee Boulevard to manhole 67-13 in Moores Road will be abandoned and replaced with the New Sidley Road Trunk Line described in Section F.6.

4. Lee Boulevard Force Main – The Lee Boulevard Force Main shall include the force main from the Lee Boulevard Pump Station to the force main discharge point in Sidley Road.

5. Mill Lane Trunk Line – The Mill Lane Trunk Line shall include the gravity line as detailed on design plans prepared by ARRO Consulting, Inc. entitled Mill Lane Sewer Main Replacement, Phase 1. The Mill Lane Trunk Line shall extend from Manhole ML8 in Sidley Road approximately two-hundred (200) feet north of the intersection of Sidley Road and Lapp Road, thence south in and/or along Sidley Road, Mill Lane, under Rt 202 to an existing portion of the Great Valley Line which drains to the Mill Lane Pump Station.

6. New Sidley Road Trunk Line – The New Sidley Road Trunk Line shall include the gravity line as detailed on design plans prepared by ARRO Consulting, Inc. entitled Sidley Road Sewer Main Replacement, Phase 2. The New Sidley Road Trunk Line shall extend south in Sidley Road from the intersection of Sidley Road and Lee Boulevard to Manhole ML8 in Sidley Road which is the terminal end of the Mill Lane Sewer Main Replacement, Phase 1.

7. Mill Lane Pump Station – The pump station shall include the existing/new facility located north west of the intersection of Route 401 and Mill Lane.

8. Lee Boulevard Pump Station – The pump station shall include the existing facility located adjacent to Lee Boulevard.

9. Hillbrook Pump Station – The pump station shall include the existing facility located on Conestoga Road adjacent to Hillbrook Circle.

10. In summary, the various systems described in Sections F1 through F9 include all the pipelines through which Valley Forge Sewer Authority wastewaters drain in East Whiteland Township.

G. The various portions of the sanitary sewer system noted in Section F of this Agreement are outlined in Schedule C.

H. East Whiteland and East Whiteland Authority, at the request of Valley Forge Sewer Authority, are willing to reserve additional capacity for Valley Forge Sewer Authority, for a total reserved capacity of 432,302 gallons per day Annual Average Daily Flow as provided herein.

NOW, THEREFORE, the parties hereto intending to be legally bound hereby agree as follows:

1. Sidley Road Trunk Line Cost Sharing Agreement. The December 27, 1978 Agreement between East Whiteland Authority and Valley Forge Sewer Authority establishing the cost sharing agreement for the Sidley Road Trunk Line is amended by eliminating Schedule A attached thereto and substituting therefore Schedule B attached hereto and incorporated herein. It is noted that some of the construction costs noted in Schedule B are estimates. The final cost sharing shall be based upon actual construction contract prices, subject to the prior review and approval of the Valley Forge Sewer Authority.

2. Reserved Capacity. Following the 2013 replacement and enlargement of the Mill Lane Pump Station and the construction of the Mill Lane and New Sidley Road Trunk Lines (as described in Section C of this Agreement and in the East Whiteland Special Study of 2013 prepared by ARRO Consulting, Inc.), reserved capacity for Valley Forge Sewer Authority and East Whiteland Township based on capacity needs analysis to the year 2035 in the East Whiteland Trunk Line the Annual Average Daily Flow shall be as follows:

a. The reserved capacity for the Valley Forge Sewer Authority in the East Whiteland Trunk Line (A) shall be 432,302 gallons per day. The reserve capacity for East Whiteland Township and Malvern Borough in the East Whiteland Trunk Line (A) shall be 3,882,698 gallons per day. The amount of reserve capacity for each of these municipalities is defined by separate agreement between East Whiteland Township and Malvern Borough. Since the East Whiteland Township and Malvern Borough flow enters at several locations along this trunk line the weighted average of each party's flow shall be used to calculate cost sharing for any project that may occur in the future on this trunk line. Weighted average is defined as the average of each party's percent of flow in each pipe section weighted by the length of each pipe section compared to the total length of pipe sections included in a future project.

b. The reserved capacity for the Valley Forge Sewer Authority in the New Sidley Road Trunk Line and Mill Lane Trunk Line shall be 412,302 gallons per day. The reserve capacity for East Whiteland Township in the New Sidley Road

Trunk Line and Mill Lane Trunk Line shall be 552,803 gallons per day. Since the East Whiteland Township flow enters at several locations along these two sewer line segments the weighted average for cost sharing of each shall be 57.37 % VFSA and 42.63 % EWT in New Sidley Road Trunk Line and 44.63 % VFSA and 55.37 % EWT in Mill Lane Trunk Line up to manhole MH 59.4. The cost sharing for any improvements from manhole MH 59.4 to the Mill Lane Pump Station shall be based upon the weighted average concept outlined in Section 2.a.

c. The reserved capacity for the Valley Forge Sewer Authority in the Lee Boulevard Pump Station and Lee Boulevard Force Main shall be 373,673 gallons per day. The reserve capacity for East Whiteland Township in the Lee Boulevard Pump Station and Lee Boulevard Force Main shall be 22,265 gallons per day.

d. The reserved capacity for the Valley Forge Sewer Authority in the Mill Lane Pump Station and the Mill Lane Pump Station Forcemain shall be 432,302 gallons per day. The reserve capacity for East Whiteland Township in the Mill Lane Pump Station and the Mill Lane Pump Station Forcemain shall be 1,872,503 gallons per day.

e. The reserved capacity for the Valley Forge Sewer Authority in the East Whiteland Trunk Line (B) shall be 20,000 gallons per day. The reserve capacity for East Whiteland Township in the East Whiteland Trunk Line (B) is undefined at this time due to various development possibilities and connections points to the Mill Lane Pump Station, Great Valley Line, and Trunk Line B. Since the East Whiteland Township flow enters at several locations along this trunk line the weighted average of each party's flow shall be used to calculate cost sharing for any project that may occur in the future on this trunk line.

3. Flow Meters or Measuring Devices. The Valley Forge Sewer Authority shall be responsible for all costs of the installation and maintenance of the equipment and the monthly costs for transmission of flow data to East Whiteland Township via cell phone technology from the Lee Boulevard Pump Station, the Charlestown Meadows Pump Station, and the

Charlestown Oaks metering station to the Remote Terminal Unit (RTU) located in the new Mill Lane Pump Station.

If there are future locations requiring flow monitoring of Valley Forge Sewer Authority flows into the East Whiteland System, the Valley Forge Sewer Authority will be responsible for all costs of installation and maintenance of equipment and the monthly charges for transmission of required flow data to East Whiteland system. The cell phone technology shall be updated by the Valley Forge Sewer Authority as required.

4. Rehabilitation of Manholes 67-13 (at intersection of Moores Road and Ashlawn Road) to ML-1 of the Great Valley Trunk Line. Within six (6) months following substantial completion of replacement of the New Sidley Road Trunk Line replacement, East Whiteland Township shall engage an engineer to conduct an evaluation of those portions of the Great Valley Trunk Sewer Line that will no longer carry flows from the Valley Forge Sewer Authority, (identified as Manholes 67-13 on design drawings prepared by Roy F. Weston, Inc. to Manhole ML-1 on drawings prepared by ARRO Consulting, Inc. entitled Mill Lane Sewer Main Replacement Phase 1) but will remain in service for East Whiteland Township. Cost of the evaluation shall be shared in accordance with Schedule B, attached to this Agreement Amendment. Included in the evaluation shall be a television inspection of all sections of the sewer line. Based on the results of the inspection(s) of the sewer line, a conceptual report shall be prepared by the engineer that includes concept level descriptions of all practical alternatives to repair (line, slipline, grout or spot repairs) the sections of the gravity sewer line that require repair according to the opinion of the engineer. In addition, the report shall include conceptual level total project cost estimates (plus or minus 25%) for the alternatives presented in the report. The study shall include the engineers' recommended alternative(s) for each section of sewer line that requires repair. The conclusions of the study shall be subject to the approval of the Valley Forge Sewer Authority (which approval may be withheld only for sound engineering reasons), after consultation with the consulting engineers of the Valley Forge Sewer Authority. If there shall be disagreement regarding selected alternatives, and the parties cannot otherwise promptly resolve said disagreement, the disagreement shall be submitted for arbitration in accordance with ARTICLE IX of the East Whiteland Trunk Line Agreement of 1971.

The implementation of the selected Alternative(s) shall be completed by East Whiteland Township within six (6) years of the engagement of the engineer to perform the study. Costs to implement the selected alternative(s) shall be shared in accordance with Schedule B, attached to this Agreement Amendment.

Following six years after completion of the study, the Valley Forge Sewer Authority's obligation to share in any cost associated with repair, upgrade, enlargement or replacement of any portion of the Great Valley Sewer Trunk Line shall cease to exist.

5. Future Capital Projects. Following completion of the Mill Lane Pump Station, the Mill Lane Trunk Line, and the New Sidley Road Trunk Line replacement and enlargement projects, if any additional expansion, enlargement, repair or construction of any portions of any of the sewer system entities defined in Section F of this Agreement – with the exception of the rehabilitation of the Great Valley Line from manhole 67-13 to manhole ML-1 shall be required, Valley Forge Sewer Authority shall pay its pro rata share of such expansion, enlargement, repair or construction on the basis of its reserved capacity as detailed in Section H.2 Reserved Capacity of this Agreement Amendment, and subject to all provisions of the East Whiteland Trunk Line Agreement.

6. Effective Date. This Amendment shall be effective upon the approval by the governing body of the last party to approve.

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be duly executed as of the day and year first above written.

EAST WHITELAND TOWNSHIP

ATTEST: _____ By: _____

,Secretary ,Chairman

EAST WHITELAND MUNICIPAL AUTHORITY

ATTEST: _____ By: _____

,Secretary ,Chairman

VALLEY FORGE SEWER AUTHORITY

ATTEST: _____ BY: _____

,Secretary ,Chairman

Schedule A

Schedule A intentionally left blank in keeping with paragraph 1.

on page 4 of this Agreement.

Schedule B

10/8/2013

rev 12-31-13

SCHEDULE B

SHARED PROJECT COSTS

Project Number	Project Name	Total Cost	East Whiteland Township % Share	East Whiteland Township Cost Portion	Valley Forge Sewer Authority % Share	Valley Forge Sewer Authority Cost Portion	Source of Estimate
1	Mill Lane Pump Station	$3,479,343	81.24	$2,826,618	18.76	$652,725	*
2	Mill Lane Sewer Main Replacement- Phase 1	$668,830	55.37	$371,803	44.63	$297,027	construction base bid received 7-1-13
3	Phase 1 Construction Administration	$49,422	55.37	$27,474	44.63	$21,948	actual ARRO services through 11-1-13
4	Sidley Road Sewer Main Replacement - Phase 2	$857,230	42.63	$366,123	57.37	$491,107	construction base bid received 11-4-13
5	Phase 2 Construction Administration	$85,723	42.63	$36,612	57.37	$49,111	10% of base bid received 11-4-13
6	Lee Boulevard Pump Station - Phase 3	$111,000	5.61	$6,371	94.39	$104,629	EE dated 12-14-12, rev. 1-10-13
7	Phase 3 Construction Administration	$11,100	5.61	$637	94.39	$10,463	10% of engineer's estimate
8	Corrective Action/Connection Management Plan	$9,207	n.a.	$408	n.a.	$8,799	actual ARRO services through 11-1-13
9	Mill Lane/Sidley Road design costs	$190,380	n.a.	$87,550	n.a.	$102,830	actual ARRO services through 11-1-13
10	Act 537 Special Study	$90,251	0.00	$0	100.00	$90,251	actual ARRO services through 11-1-13
11	Rehabilitation of the Great Valley Line**	t.b.d.***	72.24	t.b.d.***	27.76	t.b.d.***	EE^ dated xx-yy-zz
12	Upgrade of 14" force main from Mill Lane PS	t.b.d.***	81.24	t.b.d.***	18.76	t.b.d.***	EE^ dated aa-bb-cc
13	Upgrade of gravity line downstream from Mill Lane PS	t.b.d.***	w.a.^^	t.b.d.***	w.a.^^	t.b.d.***	EE^ dated cc-dd-ee
14	Fourth Pump at Mill Lane Pump Station	t.b.d.***	81.24	t.b.d.***	18.76	t.b.d.***	EE^ dated ff-gg-hh
	Totals	$5,552,486		$3,723,596		$1,828,890	

Note: The Lee Boulevard force main is adequately sized to handle the 374,599 gpd allocation for Charlestown. Charlestown flows exceeding 374,599 gpd through the Lee Blvd pump station may require an upgrade to the Lee Boulevard force main.

*actual construction base bid, changes orders through 11-20-13, & engineering services through start-up

**from MH ML 67-13 to MH ML 1 - 1960 l.f. +/-

***to be determined

^EE = Engineer's Estimate

^^w.a. = weighted average

EAST WHITELAND TOWNSHIP

By: William Hulse, Chairman

ATTEST: Maureen L. Burns, Secretary

EAST WHITELAND MUNICIPAL AUTHORITY

By: _____, Chairman

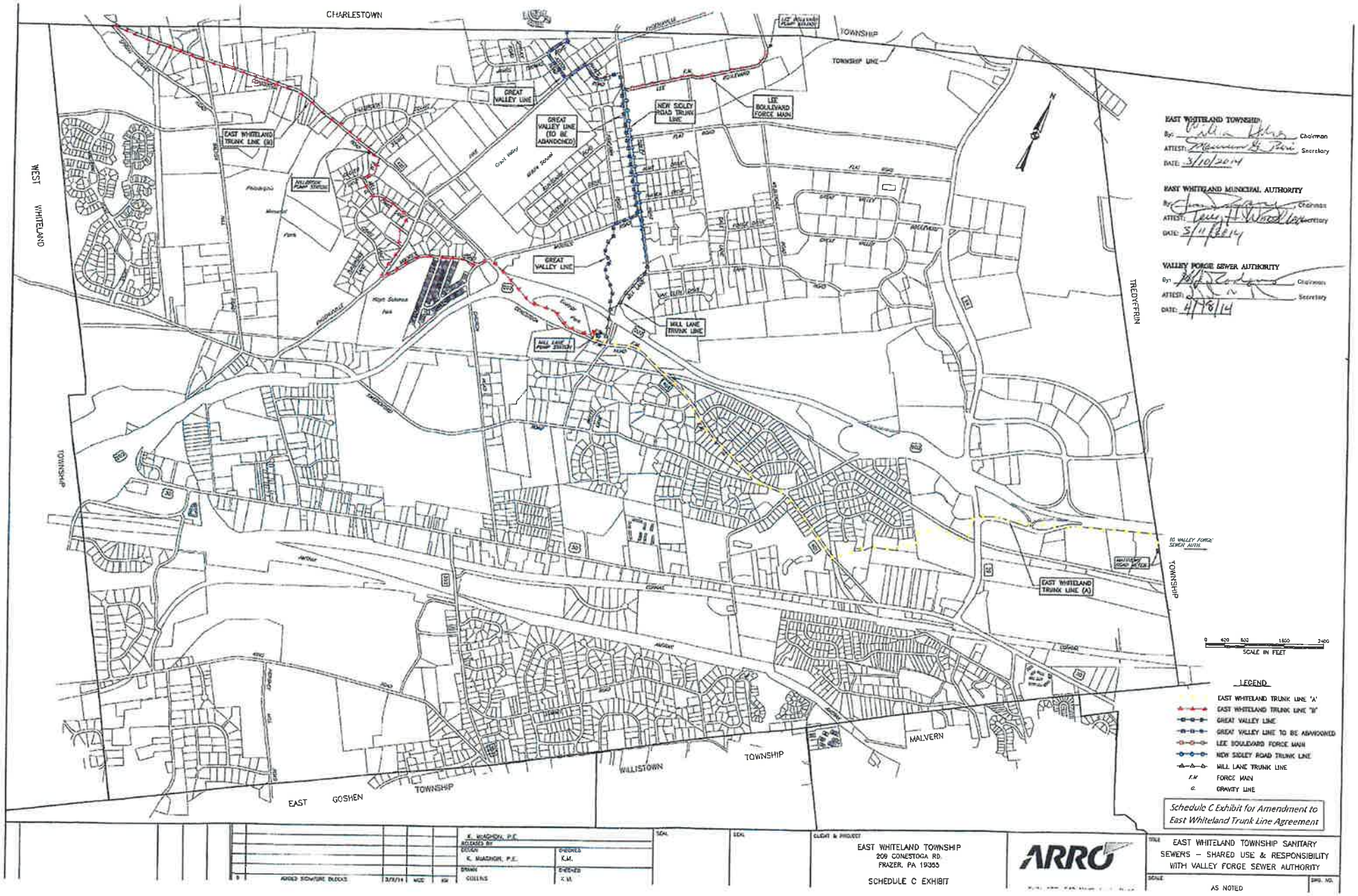
ATTEST: Terry H. Workman, Secretary

VALLEY FORGE SEWER AUTHORITY

By: _____, Chairman

ATTEST: _____, Secretary

Schedule C



EAST WHITELAND TOWNSHIP
By: _____ Chairman
ATTEST: _____ Secretary
DATE: 3/10/2014

EAST WHITELAND MUNICIPAL AUTHORITY
By: _____ Chairman
ATTEST: _____ Secretary
DATE: 3/11/2014

VALLEY FORGE SEWER AUTHORITY
By: _____ Chairman
ATTEST: _____ Secretary
DATE: 4/16/14

		K. MUSCHOR, P.E.			
		DESIGNED BY K. MUSCHOR, P.E.	CHECKED K.M.		
		DRAWN COLLINS	CHECKED K.M.		
B	ADDED SIGNATURE BLOCKS	3/31/14	MCE	KM	

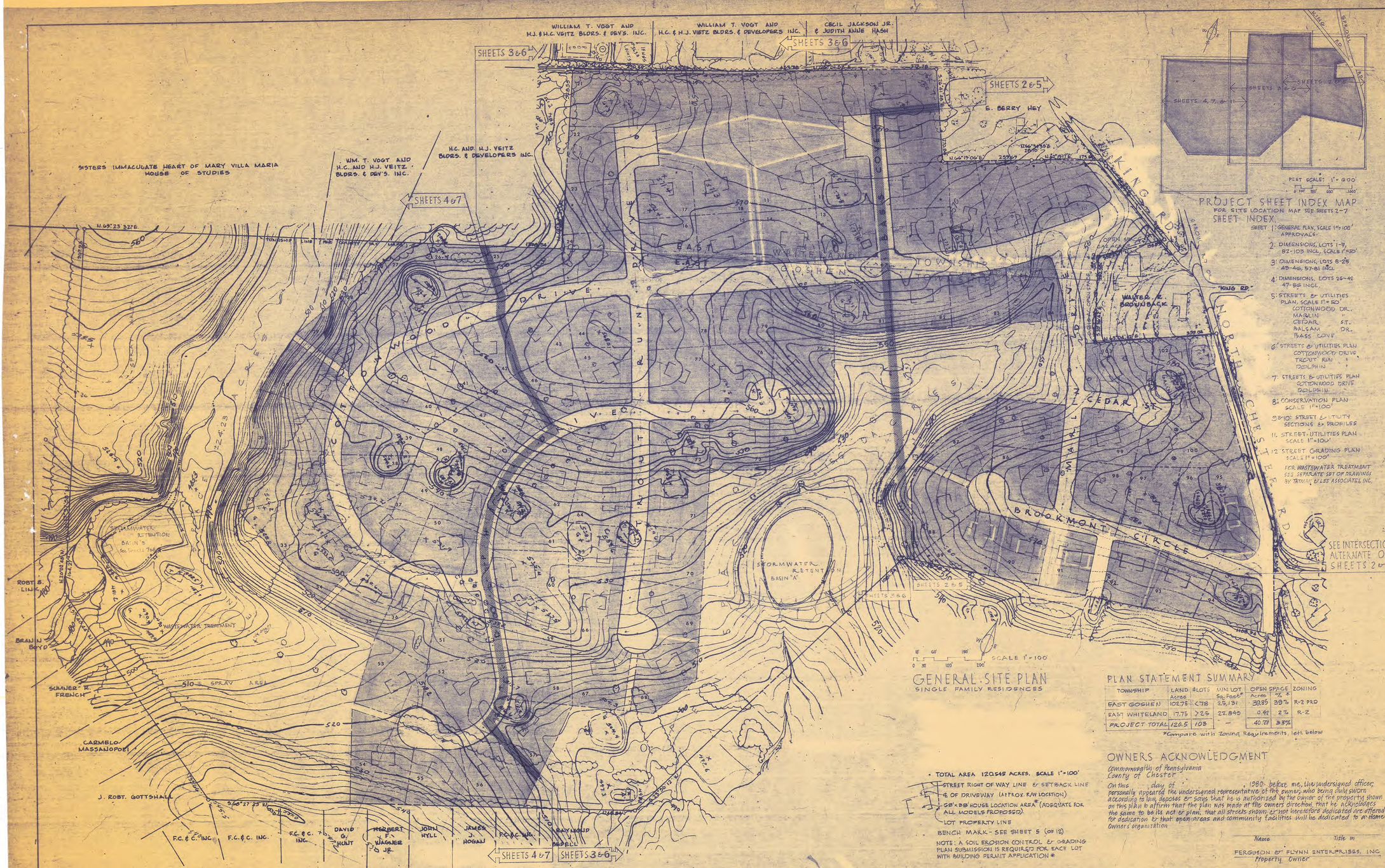
CLIENT & PROJECT
EAST WHITELAND TOWNSHIP
209 CONESTOGA RD.
FRAZER, PA 19355
SCHEDULE C EXHIBIT

ARRO

TITLE
EAST WHITELAND TOWNSHIP SANITARY SEWERS – SHARED USE & RESPONSIBILITY WITH VALLEY FORGE SEWER AUTHORITY

SCALE: AS NOTED
DWG. NO.

SUBDIVISION PLAN FOR LOCKWOOD CHASE



PROJECT SHEET INDEX MAP

FOR SITE LOCATION MAP SEE SHEETS 2-7

SHEET INDEX.

- SHEET 1: GENERAL PLAN, SCALE 1"=100' APPROVALS
- 2: DIMENSIONS, LOTS 1-9, 82-103 INCL, SCALE 1"=50'
- 3: DIMENSIONS, LOTS 8-25 43-46, 57-81 INCL
- 4: DIMENSIONS, LOTS 26-42 47-56 INCL.
- 5: STREETS & UTILITIES PLAN, SCALE 1"=50' COTTONWOOD DR., MARLIN CEDAR ST. BALSAM DR. BASS COVE
- 6: STREETS & UTILITIES PLAN COTTONWOOD DRIVE TROUT RUN DOLPHIN
- 7: STREETS & UTILITIES PLAN COTTONWOOD DRIVE DOLPHIN
- 8: CONSERVATION PLAN SCALE 1"=100'
- 9&10: STREET & UTILITY SECTIONS & PROFILES
- 11: STREET UTILITIES PLAN SCALE 1"=100'
- 12: STREET GRADING PLAN SCALE 1"=100'

FOR WASTEWATER TREATMENT SEE SEPARATE SET OF DRAWINGS BY TATMAN & LEE ASSOCIATES, INC.

GENERAL SITE PLAN

SINGLE FAMILY RESIDENCES

- TOTAL AREA 120.545 ACRES. SCALE 1"=100'
- STREET RIGHT OF WAY LINE & SETBACK LINE
- ℄ OF DRIVEWAY (APPROX R/W LOCATION)
- 68'x88' HOUSE LOCATION AREA* (ADEQUATE FOR ALL MODELS PROPOSED)
- LOT PROPERTY LINE
- BENCH MARK - SEE SHEET 5 (OF 12)

NOTE: A SOIL EROSION CONTROL & GRADING PLAN SUBMISSION IS REQUIRED FOR EACH LOT WITH BUILDING PERMIT APPLICATION *

PLAN STATEMENT SUMMARY

TOWNSHIP	LAND Acres	#LOTS	MIN. LOT Sq. Feet*	OPEN SPACE Acres	OPEN SPACE %	ZONING
EAST GOSHEN	102.75	<78	25,191	38.85	38%	R-2 PRD
EAST WHITELAND	17.75	>26	22,845	0.92	2%	R-2
PROJECT TOTAL	120.5	103	—	40.77	33%	

*Compare with Zoning Requirements, left below

OWNERS ACKNOWLEDGMENT

Commonwealth of Pennsylvania
County of Chester

On this ____ day of ____, 1980 before me, the undersigned officer, personally appeared the undersigned representative of the owner, who being duly sworn according to law, deposes & says that he is authorized by the owner of the property shown on this plan to affirm that the plan was made at the owners direction, that he acknowledges the same to be his act & plan; that all streets shown, & not heretofore dedicated are offered for dedication & that open areas and community facilities shall be dedicated to a Home Owners organization

Name — Title in

FERGUSON & FLYNN ENTERPRISES, INC.
Property Owner

Notary Public
My Commission Expires ____, 19

CERTIFICATION OF ENGINEERING

I hereby certify that this Plan has been made under my immediate supervision & conforms to all Engineering Zoning, Building & other applicable East Goshen Township & East Whiteland Township Ordinances & Regulations. Certified this ____ day of ____, 1980

William F. Maxfield
William F. Maxfield, P.E

COUNTY PLANNING APPROVAL

This Plan has been reviewed and recommendations made by the Chester County Planning Commission this ____ day of ____, 1980

Chairman

Executive Director

APPROVAL OF TOWNSHIP ENGINEER

Approved by Engineer for East Goshen Township this ____ day of ____, 1980

Township Engineer

Approved by Engineer for East Whiteland Township this ____ day of ____, 1980

Township Engineer

APPROVAL OF PLANNING COMMISSION

Approved by the Planning Commission of East Goshen Township this 28th day of April, 1980

Member
Member
Member
Member
Member
Vice Chairman
Chairman

Approved by the Planning Commission of East Whiteland Township this ____ day of ____, 1980

Chairman

MUNICIPAL APPROVAL

Approved by East Goshen Township Board of Supervisors this 21st day of April, 1980

Chairman
Vice Chairman
Supervisor

Approved by East Whiteland Township Board of Supervisors this ____ day of ____, 1980

Chairman

RECORD

This Plan is on record in the Office of Recorder of Deeds of Chester County, West Chester, Pennsylvania, in Plan Book ____ Page ____ Recorded this 11th day of May, 1980

Recorder of Deeds

ZONING CODE REQUIREMENTS

SINGLE FAMILY OCCUPANCY - PUBLIC WATER & WASTEWATER SERVICES*

TOWNSHIP	ORDAINED	ZONING DISTRICT	MINIMUM LOT DIMENSIONS: SIZE SQ. FT. AREA	MIN. FT. SETBACK	WIDTH AT STREET	YARDS: FRONT SETBACK	SIDE	CORNER	REAR	MAX. LOT COVERAGE: BUILDING	IMPERVIOUS TOTAL	MAXIMUM HEIGHT: in STORIES	FT.	COMMON OPEN SPACE	STREET TREES MIN.	PARKING SPACES
EAST GOSHEN	7/30/79	R-2 PRD Option	25,000	125 FT	40 FT	35 FT.	20 FT.	—	35 FT.	20%	—	3	35	"Suitable" Up to 40% Gtc. Min	—	2
EAST WHITELAND	2/6/75	R-2	22,000	100 FT"	55	40 FT.	20 FT	40 FT.	35 FT.	25%	40%	—	35	1 Acre or 2 lots per 35 lots	8 per lot	2

" Lot specified at setback line
* Water by Philadelphia Suburban Water Co.
Waste water system owned by Homeowners organization, & Homeowners Association shall be approved by Township*

Base Drawing of Boundary & Topography Produced by G.R. Roegster Jr. & Sons, Inc. Registered Land Surveyors, Kennett Pike, PA* see below

It shall be the Responsibility of the Owner/Developer to Verify the Topography at the Time of Street & Utility Sunkeout, & Any Differences Found shall be Brought to Township Attention Immediately *

*NOTE: Township Boundary Line Shown Revised Here to Conform with Surveyors 1"=50 Scale Drawings (Sheets 5 & 6) *

42-7-20

RECORD DATA & INDEX PLANS
SHEET 1 OF 4 TITLE PLANS

WILLIAM F. MAXFIELD PROFESSIONAL ENGINEER

WILLIAM F. MAXFIELD, PAUL A. WILHELM, R.A. AIA
P.E. DESIGN ENGINEER — PLANNER

REVISIONS	DATE
2nd Rev. Street & Utility Plan Sheet 5	April 17, 1980
Add Sheet 12 Street Grading Plan	
Add Sheet 11 Street Utilities Plan	
Add Sheet 10 Street & Utility Profiles	
Add Sheet 9 Street & Utility Sections	
Add Sheet 8 Conservation Plan	
Add Sheet 7 Street & Utilities Plan	
Add Sheet 6 Street & Utilities Plan	
Add Sheet 5 Street & Utilities Plan	
Add Sheet 4 Dimensions	
Add Sheet 3 Dimensions	
Add Sheet 2 Dimensions	
Original Plan	

WILLIAM F. MAXFIELD & ASSOCIATES, INC.
PLANNING, LAND & ENGINEERING
220 E. GUNDY ST. PHILA. PA. 19144

MALVERN GOLF CLUB SUBDIVISION

S.W. OF KING & SPROUL (PA. RT 352) ROADS
EAST GOSHEN & EAST WHITELAND TOWNSHIPS
CHESTER COUNTY, PENNA.

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
P.O. BOX 273 MALVERN, PA 19360 215/458-8081

GENERAL PLAN
SCALE: 1" = 100'
1 OF 12

42-7-20E0000

NOTE: NEW HALF OF 60' WIDE 30' R.O.W. WIDTH IS BASED ON THE PRESENT PAVING CENTERLINE AS DETERMINED BY GEORGE E. REGESTER, JR. & SONS, INC. REGISTERED LAND SURVEYORS
R.O.W. AREA 27,140.14 Sq. Ft.

NORTH CHESTER ROAD (PA. ROUTE #352) 50' WIDE RIGHT OF WAY

NORTH CHESTER RD. Existing Paving

RT 352

EAST WHITELAND TOWNSHIP / EAST GOSHEN TOWNSHIP

KING ROAD (S.R. 1509) 80' WIDE R.O.W.

BROOKMONT CIRCLE

COTTONWOOD DRIVE

CEDAR ST.

MARLIN DRIVE

BASS COVE

E. Berry Hey (D.B. M-24, Pg 262)

Louis Robert Davis (D.B. 331 Pg 331)

Walter R. Brownback (D.B. T-27, Pg 127)

OPEN SPACE 0.167 AC. IN E. GOSHEN TWP.
23,580.63 SQFT = 0.55 ACRES
0.38 AC. (E. WHITELAND TWP.)
Open Space to be Dedicated to Home Owners Organization

OPEN SPACE
15.44 ACRES
Open Space to Be Dedicated To Home Owners Organization

ALTERNATE
CUL-DE-SAC TERMINUS FOR BROOKMONT CIRCLE
PROPERTY LINES FOR LOTS 95 & 96

95	28,407.44 SQ.FT.
96	25,150.41 SQ.FT.
94	
352	
101	30,187.62 SQ. FT.
100	26,536.74 SQ.FT.
102	26,420.87 SQ.FT.
103	25,842.80 SQ.FT.
97	25,191.23 SQ.FT.
99	27,244.71 SQ FT
98	26,126.28 SQ.FT.
95	34,050.80 SQ. FT.
94	26,434.50 SQ.FT.
96	
93	
92	
91	26,196.33 SQ.FT.
90	26,288.13 SQ.FT.
89	30,506.62 SQ.FT.
88	35,080.14 SQ.FT.
87	28,082.61 SQ.FT.
86	26,682.87 SQ.FT.
85	27,713 SQ.FT.
84	25,696.64 SQ.FT.
83	27,028.19 SQ.FT.
82	26,512.50 SQ.FT.
81	SEE NEXT SHEET
1	23,115.47 SQ.FT.
2	23,407.97 SQ.FT.
3	23,798.35 SQ.FT.
4	25,266.92 SQ.FT.
5	22,815.28 SQ.FT.
6	23,206.14 SQ.FT.
7	26,715.84 SQ.FT.
8	SEE SHEET #3

SCALE 1" = 50'

STREET ℄ & R.O.W./P.R. LOTS 1-5, & 82-84

LOT #		LOT #	
05	OPEN SPACE (+0.5) R=12.5 Δ 90° ARC 19.63 T 12.5 CH 17.68 S 73°05'37" W S 28°05'37" W 25.5' R= 346.50' Δ 1°46'25" ARC 19.97 T 10.00 CH 19.77 S 87°57'48" W S 47°30'00" W 43.64' R=1750 Δ 30° ARC 27.43 T 17.5' CH 5478 N 02°30'00" E MARLIN DR. 80 Wide	COTTONWOOD DRIVE 0+00± ℄/℄ KING R.D +3.86' S 28°05'37" W 62.04' P.C.#1 STA 0+62.04 R = 811.5' Δ 19°46'23" ARC 107.32 T 54.20 CH 106.78 S 37°57'48" W P.T.#1 STA 1+62.36 ℄ STA 2455.47	1	R=22.5' Δ 90° ARC 35.34' T 22.5 CH 31.82 S 16°54'23" E S 28°05'37" W 15.5' R=26.5' Δ 19°46'23" ARC 9.36 T 4.61' CH 9.31 S 37°57'48" W S 47°30'00" W 49.0'
04	R=17.50 Δ 90° ARC 27.48 T 17.50 CH 24.75 N 17°00'00" W S 47°30'00" W 5.21' R=1588.9 Δ 0°07'53" ARC 10.51 T 5.38' CH 10.51 S 50°56'57" W	P.C.#2 STA 8+05.18' R=868.50 Δ 11°46'00" ARC 244.08 T 122.7' CH 243.41 S 35°10'00" W P.T.#2 STA 9+47.26	2	S 47°30' 00" W 23.82' R=918.5' Δ 0°19'00" ARC 16.57 T 8.28' CH 16.56 S 48°21'30" W
03	R=988.5 Δ 0°28'06" ARC 148.57 T 77.28 CH 145.33 S 58°16'57" W S 62°30'00" W 39.0'	R=868.50 Δ 11°46'00" ARC 244.08 T 122.7' CH 243.41 S 35°10'00" W P.T.#2 STA 9+47.26	3	R=916.5 Δ 0°27'00" ARC 112.22 T 56.18 CH 112.15 S 62°22'30" W
02	S 62° 30' 00" W 175.6' (See Sheet 3)	℄ STA 7+82.26	4	R=918.5 Δ 6°38'00" ARC 106.34 T 53.23 CH 106.11 S 59°11'00" W S 62°30'00" W 6.0'
01		BASS COVE 80' W.	5	S 62°30'00" W 156.50' R=175' Δ 9°00" ARC 27.49 T 17.5' CH 24.75 N 72°30'00" W

STREET ℄ & R.O.W./P.R. LOTS 84-86, 90, 91, 98, 99 & 103

LOT #		LOT #	
99	R=17.5' Δ 90° ARC 27.45 T 17.5' CH 24.75' N 81°0'00" E S 42°0'00" E 18.47' R=850.0 Δ 25°00'00" ARC 371.36' T 188.74' CH 368.28 S 29°35'00" E P.T.#1 STA 4+55.83	84	R=17.5' Δ 90° ARC 27.45 T 17.5' CH 24.75' N 81°0'00" E S 42°0'00" E 18.47' R=825.0 Δ 10°53'54" ARC 156.92' T 78.70' CH 156.68 S 84°26'04" E
103	R=875.0 Δ 0°58'22" ARC 130.0' T 68.14 CH 129.88 S 21°27'11" E R=7.5' Δ 90° ARC 11.78 T 7.5' CH 10.61 S 22°0'00" E	85	R=875.0 Δ 11°6'06" ARC 205.45' T 103.52 CH 205.04 S 28°08'03" E S 17°00'00" E 190.0'
89	R=7.5 Δ 90° ARC 11.78 T 7.5' CH 10.61 S 28°0000 W S 17°00'00" E 147.50'	86	S 17°00'00" E 74.01' R=825.0 Δ 0°56'58" ARC 13.67 T 6.84' CH 13.67 S 17°28'29" E R=7.5 Δ 90° ARC 11.78 T 7.5' CH 10.61 S 39°46'58" W
98	S 17°00'00" E 58.0' N 67°50'00" E 75.00' ARC 83.31 T 44.19' CH 88.28 S 14°06'31" E R=7.5 Δ 90° ARC 11.78 T 7.5' CH 10.61 S 62°53'02" E	50' WIDE R.O.W.	
	BROOKMONT CRCL & STA 8+44.62	91	R=7.5 Δ 90° ARC 11.78' T=7.5 CH 10.61' S 50°53'02" E S 11°13'02" E 176.62'
92	R=7.5 Δ 90° ARC 11.78 T 7.5' CH 10.61 S 39°46'58" W S 11°13'02" E 172.36'	PROJECT P.R. STA 10+48.68	

STREET ℄ & R.O.W./P.R. LOTS 99-103

LOT #		LOT #	
103	R=7.5' Δ 90° ARC 11.78' T 7.5' CH 10.61 N 50°53'02" W R=2000 Δ 0°38'00" ARC 12.89 T 51.50' CH 12.89 N 05°43'58" E	99	R=7.5' Δ 90° ARC 11.78' T 7.5' CH 10.61 N 39°0'00" E R=2000 Δ 0°38'00" ARC 12.89 T 51.50' CH 12.89 N 05°43'58" E
	CEDAR STREET 0+00 ± ℄ MARLIN DR. N 73°00'00" E 62.0' P.C.#1 STA 0+62.0 R = 875.0 Δ 0°38'00" ARC 100.05 T 50.01' CH 99.97 N 69°48'50" E P.T.#1 STA 1+62.05' N 66°27'00" E 63.44' ℄ STA 2+25.47	100	R=600' Δ 7°59'59" ARC 78.26' T 46.60' CH 73.60 N 52°06' 59" E
102	R=60' Δ 72°15'00" ARC 75.66' T 43.79' CH 70.75' S 87°39'30" E	101	R=600' Δ 65°47'00" ARC 68.89' T 38.80' CH 65.17' S 18°38'30" E
	CUL ROW END ± STA 2+85.47		

STREET ℄ & R.O.W./P.R. LOTS 86-98

LOT #		LOT #	
94	R=35.0' Δ 85°9'18" ARC 52.24' T 32.37' CH 47.53 S 66° 06' 22" E R=275.0' Δ 1°7'00" ARC 11.26' T 56.04' CH 110.84 N 77°8'00" E S 88° 08' 00" W 5.0'	BROOKMONT CIRCLE 0+00 ± ℄ & NORTH CHESTER RD. (RT 352) S 1°08'00" W 64.16' P.C.#1 STA 0+64.16 R=3600.0 Δ 1°7'00" ARC 109.85' T 82.39' CH 109.47 N 78°39'00" E P.T.#1 STA 1+68.01' S 88°08'00" W 141.63' P.C.#2 STA 3+09.70 R=450.0 Δ 28°21'02" ARC 73.44 T 36.80' CH 73.36 N 85°7' 29" E P.T.#2 STA 3+83.14'	95	R=55.0' Δ 103°29'54" ARC 99.36' T 69.64 CH 86.36 S 58°06'03" W R=350.0' Δ 10°20'00" ARC 58.0' T 29.09' CH 58.53 S 82°18'00" W S 88°08'00" W 91.62'
93	S 88° 08' 00" W 136.48' R=425.0' Δ 08°8'00" ARC 8.30' T 3.15' CH 18.30 S 86°54'00" W			S 88° 08' 00" W 110.0' R=475.0' Δ 22°42'30" ARC 22.62' T 11.26' CH 22.52' N 86°46'30" E
97	R=425.0' Δ 08°38'02" ARC 91.06' T 28.56 CH 91.09 N 82°15'09" E S 76°46'58" W 31.9' R=775' Δ 2°00" ARC 11.78' T 7.5' CH 10.61' N 37°46' 58" E	℄ STA 8+07.84 ℄ STA G+47.54	96	S 88° 08' 00" W 150.0' R=7.5 Δ 90° ARC 11.78' T 7.5' CH 10.61 S 88°5'02" E
91	R=7.5' Δ 90° ARC 11.78 T 7.5' CH 10.61 N 50°53'02" W S 78°46' 58" W 139.5'			MARLIN DR. 80' Wide
90	S 78°46' 58" W 49.0' R=20.0 Δ 24°28'28" ARC 25.54' T 12.97' CH 25.35' S 89°01' 18" E		97	R=7.5' Δ 90° ARC 11.78' T 7.5' CH 10.61 N 39°46'58" E N 78°46' 58" E 112.67' R.H.E. Δ 90°0'39" ARC 22.56' T 14.03' CH 20.48 N 78°07'48" W R=60 Δ 0°1'57" 87' ARC 90.30 T 62.09' CH 85.29 N 61°01'12" W
88	R=60.0' Δ 28°43'55" ARC 71.98' T 41.05' CH 67.74 N 42°27'30" W	CUL & STA 8+67.54 CUL END OPPOSITE STA 9+27.54	98	R=918.5' Δ 6°38'00" ARC 106.34 T 53.23 CH 106.11 S 59°11'00" W S 62°30'00" W 6.0'
			87	R=60.0' Δ 61°54'21" ARC 64.98' T 35.98' CH 61.92 S 41°26'48" W
			95	R=60.0 Δ 17°11'17" ARC 20.0' T 10.14' CH 20.0' S 61°30'00" W

ALTERNATE
BROOKMONT CIRCLE
CUL DE SAC EAST END

95	R = 22.5' Δ 98° 31' 17" ARC 38.60 T 26.12 CH 34.10 N 21°52.21" E N 7°08.00" E 14.74' R=60.0' Δ 150°59'55" ARC 157.60 T= 227.98' CH 116.05 S 75°06' 34" E
82	R=60.0 Δ 25°41'07" ARC 24.80 T 12.58 CH 24.63 N 15°47'55" E S 88° 08' 00" W 9.6.0' R=475 Δ 0°07'40" 90° ARC 22.5 T 11.26' CH 22.52 N 89°46'30" E

SITE LOCATION & SHEET INDEX MAP SCALE 1"=600

SPROUL ROAD (RT 352)
FOREST DRIVE
KING RD
GREENHILL ROAD
HERSHEY MILL ROAD
SHEET # 2 LOCATION

NOTES & PLAN SYMBOLS USED ON SHEETS #2, 3 & 4

(52) LOT NUMBERS
PROJECT BOUNDARY
PROPOSED NEW ° MONUMENT
STREET RIGHT OF WAY/LOT LINE
PROPOSED NEW MONUMENT
NOTE: MONUMENTS LOCATED AS SHOWN ON PLAN SHEETS 2, 3, & 4, AND IRON PINS AT EACH CORNER OF EACH PROPERTY, SHALL BE PLACED ON COMPLETION OF FINAL GRADING
EASEMENT BOUNDARY LINE
SETBACK LINE, See Zoning & Other Requirements on Sheet 1

CONTINUED ON SHEET #3

COMMONWEALTH OF PENNSYLVANIA PROFESSIONAL WILLIAM F. MAXFIELD ENGINEER 019074

W.F. MAXFIELD, P.E.

APRIL 17, 1980

REVISIONS
Date Description
6/30/80 * GENL. FOR FINAL REVIEW
9/8/80 + Comment For Final Approval
10/20/80 ▲ Recd by Township Engineer
11/7/80 ▲ . . . .
11/26/80 + Revised Marlin Dr To Proj B.
4/6/81 ▲ . . . .

WILHELM & ASSOCIATES, INC. CIVIL ENGINEERING PLANNING & LAND SURVEYING 202 E. JOHNSON ST. PAULS, PA. 19464

TITLE PLAN SHEET 2 OF 4

MALVERN GOLF CLUB SUBDIVISION
S.W. OF KING & SPROUL (PA. RT 352) ROADS
EAST GOSHEN & EAST WHITELAND TOWNSHIPS
CHESTER COUNTY, PA.

LOTS # 1-8 & 82-103 INCL.

SCALE: 1" = 50'

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
P.O. BOX 278 UNIONVILLE, PA 19375 215/458-8081

2 OF 12

E. Berry Hey DB M-24 Pg. 262

see Sheet 2

see sheet 2

see sheet 2

William T. Voigt & H.J. & H.C. Voigt Builders & Developers Inc. D.B. M-35 Pg. 495

Cecil Jackson Jr. & Judith Ann Hash DB A-40 Pg. 595

William T. Voigt & H.J. & H.C. Voigt Builders & Dev. Inc. D.B. C-38 Pg. 222

Raymond J. Bedell D.B. Y-82 Pg. 442

F. C. & C. Inc. D.B. W-40 Pg. 178

H.C. & H. J. Vietz Builders & Developers Inc. D.B. H-35, Pg. 500

STREET & ℄ ROW/P. LOTS 5-14, 80 & 81

LOT #		STA. 7+52.72	LOT #	
81	S 68°30'00" W 176.0'	COTTONWOOD DR.	13	BASS COVE 30' WIDE R=17.5 Δ 90° T 17.5 ARC 27.49 CH 24.75 S 17°30'00" W S 62°30'00" W 155.5
80	S 68°30'00" W 175.0'	S 27°30'00" E	14	S 62° 30' 00" W 173.93
18	R=17.5 Δ 90° T 17.5 ARC 27.49 CH 24.75 N 17°30'00" E N 27°30'00" W 134.0'	BASS COVE STA 0+00	5	R=17.5 Δ 90° ARC 27.49 T 17.5 CH 24.75 N 27°30'00" W N 27°30'00" W 114.0'
12	N 27°30'00" W 178.0' R=10' Δ 90° T 10' ARC 15.71' CH 14.14 N 72°30'00" W S 62°30'00" W 60.0'	N 27°30'00" W 432.5'	6	N 27°30'00" W 138.41'
11	N 27°30'00" W 75.0'	CHLORCLE ℄ STA 3+95	7	N 27°30.00 W 139.50'
10	N 27°30.00 W 92.0'	CUL END STA 4+55.0'	8	S 62° 30' 00" W 55.0'
9	N 62°30'00" E 65.0'			

STREET & ℄ ROW/P. LOTS 45, 63-72, & 77

LOT #	OPEN SPACE ACCESS:	TROUT RUN DRIVE	LOT #	
	R=60' Δ 17°11'17" T 10.14 ARC 20.09 CH 20.0 S 78°30'00" W	CUL ℄ STA 0+00	68	R=50' Δ 57°41'21" T 27.74 ARC 50.34 CH 57.48 N 36°37'11" E
67	R=60 Δ 55°45'11" T 30.41 ARC 58.25 CH 53.03 N 69°23'36" W		69	R=60' Δ 105°20'38" T 84.65 ARC 114.50' CH 99.30 N 46°40'15" W
66	R=60' Δ 37°20'00" T 14.59 ARC 28.62 CH 28.35' N 28°50'00" W		70	R=15.0' Δ 18°10' 39" T 56.12 ARC 22.56' CH 20.48 N 58°15'19" W
65	N 15°10'00" W 22.0'	N 15°10'00" W 150.0'		N 15°10'00" W 80.17'
64	R=2475' Δ 05°25'00" T 93.82 ARC 167.69 CH 167.57 N 16°52'30" W	P.C.℄ STA. 1+55.0'	71	R=2525.0' Δ 05°57'52" T 7.87 ARC 146.80 CH 146.68 N 17°10'00" W
63	R=2475' Δ 09°45'00" T 80.30 ARC 160.55' CH 160.32' N 22°02'30" W	R=2500.0' Δ 09°00.00" T 196.75 ARC 392.70 CH 392.29 N 18°40'00" W	72	R=2525.0' Δ 01°42' 08" T 37.51' ARC 75.01' CH 75.01 N 28°18'56" W
	T 40.32' ARC 80.63 CH 80.63' N 23°W 00" W N 24°10'00" W 67.50' R=7.5 Δ 90° T 7.5 ARC 11.78' CH 10.61' N 69°10'00" W	P.T. #1 STA 5+47.72		N 24°10'00" W 67.50' R=7.5' Δ 90° T 7.5' ARC 11.78' CH 10.61' N 20°50'00" E
	DOLPHIN DR	STA 6+47.72		50' RT WIDE
45	R=7.5 Δ 90° T 7.5 ARC 11.78' CH 10.61 N 20°50'00" E N 24°10'00" W 154.88'	P.C.℄ STA 9+05.08 R=245.0 Δ 09°25'08" ARC 84.98 T 27.50 CH 84.97 N 22°50'06" W PT.℄ STA 9+60.06	77	R=7.5' Δ 90° T 7.5' ARC 11.78' CH 10.61 N 69°10'00" W N 24°10'00" W 148.65'

STREET & ℄ ROW/P. LOTS 57-62

LOT #		DOLPHIN DRIVE	LOT #	
	CURVE #1 P.T. STA 3+68.93		57	R=1950' Δ 36°38'16" T 971.0' ARC 1111.08 CH 1092.81 N 05°30'52" E
			58	R=1950' Δ 18°57'44" T 348.2 ARC 645.04 CH 642.60 N 20°41'08" W
	CURVE #2 STA 6+76.43 R=418.0' Δ 06°30'00" T 464.97 ARC 0836' CH 693.13 N 17°35'00" E		59	N 30°40'00" W 150.0' GO N 30°40'00" W 97.0' R=3800.0 Δ 08°98.00" T 27.44 ARC 54.78 CH 54.75 N 02°38'30" W
			61	R=3800.0 Δ 2.52'37.00" T 91.65 ARC 180.04 CH 178.45 N 5°2330" W
			62	R=3800.0 Δ 3°27'00.00" T 11.85 ARC 217.82 CH 215.00 N 13°50'00" E
46	R=4400' Δ 16°00.00' T 618' ARC 122.96 CH 122.56 N 45°47'22" E			

STREET & ℄ ROW/P. LOTS 45, 63 & 72-77

LOT #		DOLPHIN DR.	LOT #	
45	R=440.0' Δ 14°35'16" ARC 112.03' T 56.32' CH 111.72' N 58°38' 21" E N 45°58'W E 7.75' R=7.5 Δ 90° ARC 11.78' T 7.5 CH 10.61' N 20°58'16" E	P.T.℄ STA 13+76.39	63	R=390.0 Δ 30°00'00" T 1045 ARC 204.20' CH 201.88 N 50°50'00" E N 65°50'00" E 7.78'
				R=7.5' Δ 90° T 7.5' ARC 11.78' CH 10.61 S 65°10'00" E
	TROUT RUN DR.	STA 14+15.68		50' RT WIDE
77	R=.75 Δ 90° T 7.5 ARC 11.78' CH 10.61 N 65°10'00" E	N 65°50'00" E 360.0'	72	R=7.5' Δ 90° T=7.5 ARC 11.78' CH 10.61 N 20° 50' 00" E
76	N 65°50'00" E 102.67' R=15.0 Δ 86°10'39" T 14.05 ARC 22.56 CH 20.49 N 22°44'41" E			N 65°50'00 E 170.0'
	R=60.0 Δ 91°02.39" T 61.10' ARC 95.34' CH 85.62 N 25°10'39" E	CUL ℄ STA 17+05.68	73	N 65°50'00" E 175.50'
75	R=60.0 Δ 7°39'25" T 40.49 ARC 79.11 CH 79.06 S 71°35'51" E		74	R=60.0 Δ 8° 24' 21" ARC 84.20 T 50.71 CH 77.46 N 25°3'17.45"E
			05	R=60.0' Δ 20°03'38" ARC 20.90 T 10.67 CH 20.8' N 06°10'00" W

SITE LOCATION & SHEET INDEX MAP SCALE 1"=600'

SPROUL RD BYPASS 352

KING RD

FOREST DRIVE

GLENN HILL RD.

HERSHEY MILL RD.

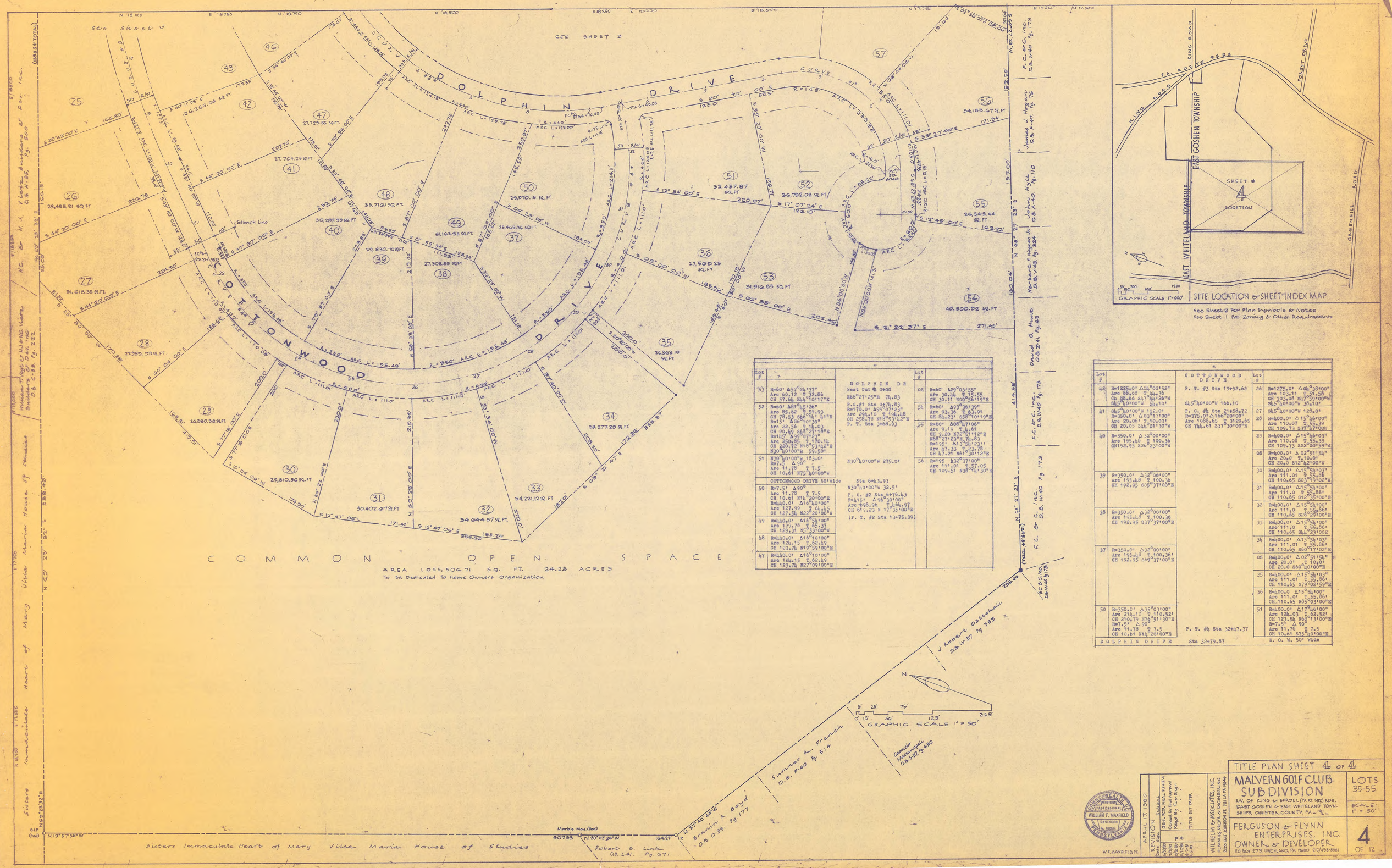
SHEET # 3 LOCATION

5' 30' 75' 250'
0 15' 50' 225'

See Sheet 2 For Plan Symbols & Notes
See Zoning & Other Requirements on Sheet 1

STREET & ℄ ROW/P. LOTS 15-25, 43-44, 78-79

LOT	STREET &	LOT
125.66'	S 62°30'00" W 175.0'	COTTONWO
78	S 62° 30' 00" W 29.83'	DR.
	T= 5.86 ARC 11.69'	
	CH 11.67 S 57°45'09" W	
	S 52°56'09" W 81.02'	
	CH 11.67 S 61°30'58" W	
	S 27°09'58" W 81.02'	
	CH 11.67 S 32°15'48" W	
	T= 5.86' ARC 11.73'	
	CH 11.69 S 03°00'00" W	
	80' WIDE ROW	
44	R=275 Δ 90° T 275 ARC 432.0 CH 38.9 N 72°30'00" E	S62°30'00"W 1458 S 62° 30' 00" W S 62°30'00"W 81.78' R=275 Δ 43°20'00" T= 43.49 ARC 83.41 CH 81.40 N 49°10'00" W
43	R=1050 Δ 08°58'08" T= 82.55 ARC 164.28 CH 164.10 N 27°30'00" W	
	S 62°30'00" E 81.78'	
	R=1050 Δ 08°58'08" T= 82.55' ARC 164.28' CH 164.10' N 27°30'00" W	
	R=275 Δ 43°20'00" T= 43.49' ARC 83.41' CH 81.40' N 49°10



See Sheet 2 for Plan Symbols & Notes
See Sheet 1 for Zoning & Other Requirements

Lot #	DOLPHIN DR	Lot #	
53	R=60' Δ 57°04'37" Arc 60.12 T 32.86 CH 57.64 N44°10'17"E		West Cul de Sac N66°27'25"E 74.83 P.C. of Sta 0+00 Rm170.0' Δ 95°07'23" Arc 294.10 T 196.48 CH 258.79 N18°53'42"E P. T. Sta 1+68.93
52	R=60' Δ 81°56'26" Arc 85.82 T 51.93 CH 78.53 S66°01'41"E Rm15' Δ 86°10'39" Arc 22.56 T 14.03 CH 20.49 S63°27'18"E R=145' Δ 99°07'23" Arc 250.85 T 170.14 CH 220.72 N18°53'42"E N30°40'00"W 59.50'	54	R=60' Δ 93°36'39" Arc 93.36 T 61.91 CH 84.23' S58°10'19"E
		55	R=60' Δ 06°47'06" Arc 9.19 T 4.61 CH 9.20 N72°51'12"E N68°27'23"E 74.83 Rm195' Δ 13°54'23" Arc 47.33 T 23.78 CH 47.21 N61°30'12"E
51	N30°40'00"W 183.0' R=7.5 Δ 90° Arc 11.78 T 7.5 CH 10.61 N75°40'00"W	56	R=195 Δ 32°37'00" Arc 111.01 T 57.05 CH 109.51 N38°24'30"E
	COTTONWOOD DRIVE 50' Wide		Sta 6+43.93 N30°40'00"W 32.5' P. C. #2 Sta 6+76.43 Rm415' Δ 96°30'00" Arc 698.96 T 464.97 CH 619.23 N 17°35'00"E (P. T. #2 Sta 13+75.39)
50	R=7.5' Δ 90° Arc 11.78 T 7.5 CH 10.61 N14°20'00"E R=440.0' Δ 16°40'00" Arc 127.99 T 64.46 CH 127.54 N22°20'00"W		
49	R=440.0' Δ 16°54'00" Arc 129.78 T 65.37 CH 129.31 N5°33'00"W		
48	R=440.0' Δ 16°19'00" Arc 126.15 T 62.49 CH 123.7L N19°59'00"E		
47	R=440.0' Δ 16°10'00" Arc 124.15 T 62.46 CH 123.7L N27°09'00"E		

Lot #	COTTONWOOD DRIVE	Lot #	
42	R=1225.0' Δ 04°00'52" Arc 88.68 T 44.36 Ch 88.66 S47°44'26"W S45°40'00"W 44.10'		P. T. #3 Sta 19+92.62 S45°40'00"W 166.10
41	S45°40'00"W 112.0' R=350.0' Δ 03°17'00" Arc 20.06' T 10.03' CH 20.05 S46°01'30"W		P. C. #4 Sta 21+58.72 R=375.0' Δ 166°20'00" Arc 1088.65 T 3129.65 CH 744.61 S37°30'00"W
40	R=350.0' Δ 32°00'00" Arc 195.48 T 100.36 CH192.95 S26°23'00"W		
39	R=350.0' Δ 32°00'00" Arc 195.48 T 100.36 CH 192.95 S05°37'00"E		
38	R=350.0' Δ 32°00'00" Arc 195.48 T 100.36 CH 192.95 S37°37'00"E		
37	R=350.0' Δ 32°00'00" Arc 195.48 T 100.36 CH 192.95 S69°37'00"E		
50	R=350.0' Δ 35°03'00" Arc 214.10 T 110.52 CH 210.79 N76°51'30"E R=7.5' Δ 90° Arc 11.78 T 7.5 CH 10.61 N14°20'00"E		
DOLPHIN DRIVE		P. T. #4 Sta 32+47.37 Sta 32+79.87	

Lot #		Lot #	
26	R=1275.0' Δ 04°38'00" Arc 103.11 T 51.58 CH 103.08 S47°59'00"W S45°40'00"W 35.10'		
27	S45°40'00"W 128.0'		
28	R=400.0' Δ 15°46'00" Arc 110.07 T 55.39 CH 109.73 S37°46'00"W		
29	R=400.0' Δ 15°46'03" Arc 110.08 T 55.39 CH 109.73 S22°00'59"W		
08	R=400.0' Δ 02°51'54" Arc 20.0 T 10.01 CH 20.0 S12°42'00"W		
30	R=400.0' Δ 15°46'03" Arc 111.01 T 55.86 CH 110.65 S03°19'02"W		
31	R=400.0' Δ 15°46'00" Arc 111.0 T 55.86 CH 110.65 S12°35'00"E		
32	R=400.0' Δ 15°46'00" Arc 111.0 T 55.86 CH 110.65 S28°21'00"E		
33	R=400.0' Δ 15°46'00" Arc 111.0 T 55.86 CH 110.65 S44°21'00"E		
34	R=400.0' Δ 15°46'03" Arc 111.01 T 55.86 CH 110.65 S60°17'02"E		
08	R=400.0' Δ 02°51'54" Arc 20.0 T 10.01 CH 20.0 S69°01'00"E		
35	R=400.0' Δ 15°46'03" Arc 111.01 T 55.86 CH 110.65 S79°02'59"E		
36	R=400.0' Δ 15°46'00" Arc 111.01 T 55.86 CH.110.65 N85°03'00"E		
51	R=400.0' Δ 17°46'00" Arc 124.03 T 62.52 CH 123.5L N68°13'00"E R=7.5' Δ 90° Arc 11.78 T 7.5 CH 10.61 S75°40'00"E		
	R. O. W. 50' Wide		

TITLE PLAN SHEET 4 OF 4

MALVERN GOLF CLUB SUBDIVISION
SW. OF KING & SPROUL (PA RT 352) RDS.
EAST GOSHEN & EAST WHITELAND TOWNSHIPS, CHESTER COUNTY, PA.

LOTS 35-55

SCALE: 1" = 50'

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
P.O. BOX 273, UNIONLAND, PA 19380 215/458-6081

4 OF 12

WILLIAM F. MAXFIELD
PROFESSIONAL ENGINEER
No. 019001
COMMONWEALTH OF PENNSYLVANIA

W.F. MAXFIELD P.E.

WILLIAM F. MAXFIELD & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
2205 BALLINGTON ST. PHILA. PA 19146

REVISION	Subdivision
6/6/80	GENL. SCHL. PANEL REVIEW
9/8/80	Consent for Final Approval
10/20/80	Recpd Big Town Progr.
11/7/80	**
12/5/80	TITLE SET PAPER

APRIL 17, 1980

TYPICAL CROSS SECTION WIDENING OF RT 352 & KING RD
AT BROOKMONT CIRCLE & COTTONWOOD DRIVE
SHOWN SCALE 1"=5' INSTALL TO PENNDOT SPECIFICATIONS

MINIMUM LENGTH (DOT FORMULA)
SIGHT LINE PROFILES AT KING RD
& COTTONWOOD DRIVE
(DENN. DOT. REQ. REMARKS (Two Requests Note Below)
SCALE 1" = 50' HOR. & 10' VERT.

TOWNSHIP SIGHT LINE REQUIREMENTS (300' Left & Right of intersection Along King Rd & 100' From ℄ of Intersection on Cottonwood Drive) CANNOT BE MET WITHIN THE 575.77' PROJECT FRONTAGE & WAIVER IS REQUESTED

Grading shown Leaves Sight Lines Clear Within Project

SEE PAVING & LANE DETAILS SHEET #12

Replace & Connect Existing Inlet: New S1 S6S-D Double Type C S 556.18 NV 552.85 S1 S15 D=C 184 RCP 80 LF @ 10%

NOTE: BOULEVARD PAVING TO WING RD & MARLIN DRIVE REVISED 11-26-82

Note: DOT Sight Distance Along Access & Deed Lines: On King Rd & Along Outer Side of Cottonwood Dr to S 67° 23' 25" W. End Treatment at All Ends

DOT Highway Sign Line Impact Distance 258 FT
M.V. in S.S.D. 147 (75%)

2 WIG-GR SIGNS

PRESENT PARKING AREA

E BERRY HEY (DB. M 24, PG 262)

WALTER R. BROWNBACK (DB. 2-27, PG 121)

KING ROAD (PUBLIC ROAD PA ROUTE 352 KNOWN AS KING ROAD) 80' WIDE RIGHT OF WAY

NORTH CHESTER ROAD (PUBLIC ROAD PA ROUTE 352 KNOWN AS "SPROUL ROAD") 30' WIDE RIGHT OF WAY

AREA OF R.O.W. 0.951 Ac. OF 25,382 SF

BENCH MARK: FILLS CONTROL IDENTITY PROVIDED BY FLYNN & ASSOCIATES, HORSHAM PA
"TBM 5" SPROUL ROAD, OPP POLE #26/175 EL = 382.95'

LEWIS ROBERT DAVIS (D.B. W 25, PG 291)

BROOKMONT & PA. RT 352 INTERSECTION RIGHT TURN ONLY SEE DETAIL SHEET # TWELVE

GRAVEL FILTER BERM ACROSS BROOKMONT CIRCLE DURING CONSTRUCTION AT RT # 352

WHITELAND TOWNSHIP
EAST GOSHEN TOWNSHIP

LOCATION MAP & SHEET LOCATION

SCALE: 1"=600'

UTILITY SYMBOLS LEGEND

- Ductile Iron (C1.52) Water Main, size as noted, Minimum 42 Cover
- Gate Valve
- Tee
- Cap
- Hydrant Location. 6" Ductile Iron C1.52 Connection To Main With Gate Valve & Tee At Each Hydrant
- Sanitary Sewer with Manhole & Direction of Flow All Class 3300 Asbestos Cement Pipe Unless Noted Otherwise
- Storm Sewer with Inlet & End Headwall. All pipe (except S1.4 Penn. DOT Specification Type C & C&F materials, sheet #8. See Headwall Details on Sheet 10 Outlet Erosion Protection of Approved Checker Blocks, Riprap, or Bedded Stone As Noted. Provide 20' Pipe Cover With Adequate Fill To Avoid Humps
- * Any Alternative Materials Must Be Approved By Sewer Authority Prior To Installation

GRADING SYMBOLS - STREET GRADES

- Present Contours
- Contours To Be Changed
- Proposed New Contours

Lot Grading & Drainage Plans To Be Filed With Applications For Building Permits

NOTES

All sanitary sewer construction shall conform to the current Sewer Authority standard of the Township in which it is constructed. All water main construction shall conform to the Authority's specifications also; Authority requirements take precedence over details & specifications of these drawings.

Valves shall be equipped with a 3/4" valved bypass where working pressures exceed 100 p.s.i. & individual pressure control valves installed where over 100 psi at all services

Electric & Phone services under ground in same trenches, electric distribution from pad mounted transformers

Wastewater Collection & Treatment system operation & maintenance by Home Owners Association

Public Water to be supplied by King Rd & Cottonwood Drive by Philadelphia Suburban Water Company

DOT SIGHTLINE PROFILE AT RT 352 & BROOKMONT INTERSECTION
SCALE 1" = 50' HORIZONTAL & 10' VERTICAL See Calculation Sheet for Profile of Township Require

ALTERNATE
FOR DRIVE EAST SIDE OF BROOKMONT CIRCLE ACCESS & PAVING PLAN *

DATUM = USGS CONTOUR INTERVAL = 2'

CONTINUED ON SHEET # 6

SEE SHEET "B" 6

APRIL 17, 1980	
REVISIONS	
Date Item	
5-30-80	GEN'L FOR FINAL REVIEW
9-8-80	Gen'l for Final Approval
10-6-80	Add Key Plan & Sheet #
11-26-80	Revised Marlin Drive Intersection
12-18-80	Revised Typical Section
2-12-81	Revised Typical Section
3-2-81	Revised Typical Section
3-16-81	Revised Typical Section
4-13-81	Revised Typical Section

WILHELM & ASSOCIATES INC
PLANNING-ARCHITECTURE-ENGINEERING
2 E. JOHNSON BLVD. PHOENIXVILLE, PA. 19460

MALVERN GOLF CLUB SUBDIVISION
SW OF KING & SPROUL (PA 352) RDS
E/ ST GOSHEN & E/ WHITELAND
TOWNSHIPS, CHESTER COUNTY, PA.

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
BOX 575 WHITELAND, PA 19490 (215) 918-8081

STREETS
UTILITIES
SCALE 1" = 50'
OF 12
5

N20,000 N19,750 N19,500 E19,750 N19,250 N19,000 E20,000 N18,750 N18,500 N18,250 E20,250 N18,000

E19,500 E19,250 N20,000 E19,000 N19,750 E18,750 N19,500 E18,500 E18,250 N19,250 E20,000 E19,750 N17,750

SEE SHEET 5

SEE SHEET "A" 5

E BERRY HEY (DB. M-24, PG. 262)

CECIL JACKSON SR. & JUDITH ANN HASH (DB. X-40, PG. 997)

WILLIAM T. VOGT & H.J. & H.C. VEITZ BUILDERS & DEV. INC. (DB. M-39, PG. 400)

WILLIAM T. VOGT & H.J. & H.C. VEITZ BUILDERS & DEV. INC. (DB. C-38, PG. 225)

H.C. & H.J. VEITZ BUILDERS & DEV. INC. (DB. W-39, PG. 500)

RUTH ANN SHERMAN (DB. M-17, PG. 224)

F.C. & E. INC. (DB. M-40 PG. 173)

RAYMOND BEDELL (DB. T-52 PG. 442)

BASS COVE

TROUT RUN

DOGWOOD DRIVE

EAST WHITELAND TOWNSHIP

GOSHEN TOWNSHIP

KING ROAD

PA. ROUTE # 352

FORE ST. DRIVE

GREEN HILL ROAD

HERSHEY MILL ROAD

CART PATH

8" Water Main

6" Water

8" SAN

8" Water

RETENTION BASIN "A"
See Sheet 8 for Details
18" Perf. Riser During Construction
21.5 ± Earth Fill
TOP 10' WIDE EL 520.0
WATER LINE EL 517.0
Capacity 325,530 Cu. Ft.
10" Dmin.
Existing W.E. 513.3
Inlet Box
W.P.C.P. Drain

PARTIAL SECTION @ EMERGENCY SPILLWAY
SCALE 1"=50' HOR. 5' VERT.

SPILLWAY TOP EL 517.0

PROP. 2' VERT. HEIGHT WITH GALVINIZED STEEL GUARD FOR VEHICLE ACCESS TYP. TOP OF BANK EL. 520.0 NORMAL WATER LEVEL TOE OF SLOPE EL 514.5 PRESENT GRADE AT BANK ℄

20' Wide Easement for Drainage & Vehicular Access

LOCATION MAP
SCALE: 1"=600'

See UTILITY LEGEND & NOTES at this location on Sheet 5.

CONTINUED ON SHEET G

CONTINUED ON SHEET G

SEE SHEET "C" 7

MH#4 see Sheet 7 Δ 78° RIGHT (15' LEFT)

FOR STORM DRAINAGE SYSTEM DETAILS, SEE SHEET #7

DATUM: U.S.G.S. CONTOUR INTERVAL: 2'

50 0 50 100 150 200 FT.

WILLIAM F. MAXFIELD, P.E.

REVISION	Date	Scale
GRADING & UTILITIES	4/17/80	1"=50'
FINAL REVIEW	12/12/80	
Final Approval		

WILLIAM E. ASSOCIATES, INC.
PLANNING, ARCH. & ENGINEERING
209 EAST JOHNSON ST. PHILA. 19144

MALVERN GOLF CLUB SUBDIVISION
SW OF KING & SPROUL (PA. RT 352) RDS
EAST GOSHEN & EAST WHITELAND TWPS, CHESTER CO., PA

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
UWCHLAND PA 19480

STREETS, UTILITIES
SCALE 1"=50'
6 OF 12

SEE SHEET "B"

SHEET INDEX

LOCATION MAP

SCALE: 1" = 600'

see UTILITY SYMBOLS LEGEND & NOTES at this location on sheet # 5

NOTE STORM SEWER MANHOLES #1, #11, #12, #13, #14, etc. #18 SHALL BE CATCH BASIN FRAMES AND GRATE

NOTE: All runoff from lots 28-32 after conservation is to flow directly to stream to maintain present flow; increased runoff below Crosswinds Drive will offset pressure flow diverted by the new storm drainage system. (see calculations, sheet # 6)

SPRAY IRRIGATION AREA #1
see Bowman & Lee Drawings (separate Set)

SPRAY IRRIGATION AREA #2

NOTE! Provide 12" Riprap with grouted mortar on new embankment (& any portion of present dam embankment disturbed by work) & elevation 487 at upstream end & 485 at downstream end of new channel

Note: Riprap 20' Wide From Outlet to Basin Bottom & 12" Quarry On 8" of Bedding Stone

Riprap Spillway, Side-walls & slope: 6' @ 1½" Stone 24" of 8½" Stone

Gravel Fill Low Area

100 YEAR FLOOD LIMIT

Normal Water Level El 481

Top El 488

BASIN "B" CAPACITY 135,000 ft³
See Sheet #8 for Details

NORMAL WATER LEVEL EL 485.0

Spillway Crest El 485

Headwall Inv El 479.0

Riprap Apron

Riprap Outlet Channel

Comminutor

Aerated Lagoon

Polishing Filter

Treatment Facilities

Sister Mary Villa Maria House of Studies

Sisters Immaculate Heart of Mary Villa Maria House of Studies (3.3796 Ac. Total)

Whitelands Drive

Dolphin Drive

Swallow Drive

Sycamore Drive

Crosswinds Drive

Polishing Road

East Whiteland Township

East Goshen Township

PA Route # 352

King Road

Forest Drive

Greenhill Road

Hershey Mill Road

F.C. & C. Inc. (D.B. W-40, Pg. 173)

James J. Hogan (D.B. F-61, Pg. 76)

John Hyll (D.B. A-40, Pg. 110)

Herbert F. Wagner Jr. (D.B. V-43, Pg. 324)

David G. Hunt (D.B. Z-41, Pg. 45)

J. Robert Gottshall (D.B. W-37, Pg. 959)

Carmelo Massanopoli (D.B. S-37, Pg. 630)

Sumner R. French (D.B. P-40, Pg. 514)

Branin A. Boyd (D.B. O-36, Pg. 177)

Robert E. Link (D.B. L-41, Pg. 611)

H.G. & M.S. Weitz Builders, Inc. (D.B. Y-36, Pg. 500)

William T. Hoff & Mary Ellen Hoff (D.B. R-36, Pg. 603)

PROFILE THRU BASIN 'B' & POLISHING FILTER AT Ⓐ
SCALE 1" = 40' HOR. & 4' VERT.

RETENTION POND SPECIFICATIONS

SEE TYPICAL SECTIONS ON SHEET 8

CURRENT SPECIFICATIONS AS PUBLISHED BY CHESTER COUNTY CONSERVATION DISTRICT "ENVIRONMENTAL PROTECTION HANDBOOK" ARE REQUIRED FOR WORK SHOWN IN THESE DRAWINGS AS IF SPELLED OUT HERE. NOTE PARTICULARLY:

1. PREPARE SITE: Remove Topsoil, Trees, Vegetation & Roots, Etc. in Pond & Embankment Areas
2. CUTOFF TRENCH: Min. 2' Deep Trench, Min. Width 4' & Adequate for Compacting Equipment Along & Of Embankments & Up Abutments to River Crest Elevations. Trench Side Slopes 1:1 or Less Steep. Keep Trench Dry During Backfilling, Compaction in Trench Same As for Embankments (see Note On Sheet 8)
3. EMBANKMENTS: Fill Shall Be Free Of Woody Vegetation & Contain Adequate Binding Material. Fill Shall Be Moist Enough to Form By Hand, Not So Wet That Water Can Be Squeezed Out By Hand. Scarify Areas Before Placing Fill. Compact As Specified Above, If By Hauling Equipment Increase Height By 10%, Or By 5% By Specialized Compactor.
4. PIPE SPILLWAYS: All Pipe Attachments Firm & Water Tight. Compact Barrels in 4" Layers
5. EMERGENCY SPILLWAYS: Pond 'A' Spillway To Be Built As Shown (Sheet 6) On Undisturbed Earth. Pond 'B' Spillway, To Be Built On Fill (For Min. Possibility Of Flood Cut-Tipping Of Channel Erosion In Very Heavy Storm Condition) Requires Care In Compacting & Riprapping
6. SEEDING: Sodding, Mulching & Fertilizing Shall Be In Accord With Chester County District Guides, See Narrative Appendix
7. EROSION & POLLUTION: See 'Special Conservation Notes' Sheet 8. Water Velocity Areas To Prevent Dust. Provide Gravel Filter Berms To Prevent Flow Of Mud Etc From Work Areas To Finished & Paved Areas

READ THE NARRATIVE

DATUM: U.S.G.S. CONTOUR INTERVAL: 2'

W.E. MAXFIELD'S

APRIL 17, 1980
AUGUST 1979

Date	Revisions
4/28/80	Add Poly Trap + Vent
3/6/80	Add Poly Trap
1/28/80	Final Approval
1/4/80	Add Poly Trap
12/28/79	Add Poly Trap
12/26/79	Add Poly Trap
12/21/79	Add Poly Trap
12/3/79	Add Poly Trap
11/30/79	Add Poly Trap
11/26/79	Add Poly Trap
11/21/79	Add Poly Trap
11/19/79	Add Poly Trap
11/16/79	Add Poly Trap
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10/31/79	Add Poly Trap
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SITE SOILS DATA

BASED ON USDA-PSU-ST PA DEPT OF AGRI SOIL SURVEY SERIES 1959 #10 ISSUED MAY 1969

MAP#	SOIL	% SLOPE	% SLOPE ERODED	DEPTHS TO BED'K	DEPTHS TO MOTTLES	AASHO CLASSIFICATION	PERM (in/hr)	pH	TOP SOIL	DYKE SUITABILITY	BLDG SITE RANK	MAX DRY DENSITY	HYDRO GROUP CLASS
				0-12" FL	3-6 FT	0-60"							
CH	CHARLES SILT LOAM	—	—	—	—	A-6	0.63-2.0	4.5-5.5	Good	—	13th	110 #/ft³	C
GaB2	GLENVILLE SILTY CLAY LOAM	3-8	MODERATE	5-10	3-5	0-8" A-6 8-24" A-6 24-65" A-6	0.63 no 2.0	5.0 5.0 5.0	Good Good	HIGH PERM	5th	115-118 119-117	B
GaC2	GLENVILLE SILT LOAM	8-15	MODERATE	1-1½	3-6	0-10" A-6 10-50" A-4 50-72" A-4	0.63-2.0 0.2-0.63 0.2-0.63	5.0 4.8 4.8	Good	NOT PERM STABLE	10th	104-107 111-116	C
MaB	MANOR LOAM	3-8	—	—	—	—	—	—	—	—	—	—	—
MaC		8-15	MODERATE	5-9	3½-10	0-7" A1-A2 7-21" A1-A2 21-50" A2-A4	2.0-6.3 6.63-2.0 6.63-2.0	5.0 5.4 5.4	FAIR	NOT STABLE	6th	108-112 105-110	B
MaD		15-25	SEVERE										
MaD2		15-25	SEVERE										

SISTERS IMMACULATE HEART OF MARY VILLA MARIA HOUSE OF STUDIES

WM. T. VOGT AND H.C. AND H.J. VEITZ BLDRS. & DEV'S. INC.

H.C. AND H.J. VEITZ BLDRS. & DEVELOPERS INC.

WILLIAM T. VOGT AND H.J. & H.C. VEITZ BLDRS. & DEV'S. INC.

WILLIAM T. VOGT AND H.C. & H.J. VEITZ BLDRS. & DEVELOPERS INC.

CECIL JACKSON JR. & JUDITH ANNE HASH

RUTH ANN SHERMAN

J. ROBT. GOTTSHALL

CARMELO MASSAIOPODE

SUMNER R. FRENCH

ROBT. B. LINK

BRAUN BOYD

F.C. & C. INC.

F.C. & C. INC.

F.C. & C. INC.

DAVID G. HUNT

HERBERT V. WAGNER JR.

JOHN HYLL

JAMES J. HOGAN

F.C. & C. INC.

RAYMOND J. BEDELL

WALTER E. BROUNBACK

SPECIAL CONSERVATION NOTES

SEE "NARRATIVE" AT PROJECT OFFICE

CONSTRUCT RUNOFF WATER RETENTION FACILITIES WITH FIRST OPERATIONS OF STAGES I & III.
KEEP ALL EXISTING WATER COURSES OPEN AT ALL TIMES

LIMIT ALL GRADING TO MINIMUM AREA REQUIRED FOR CONSTRUCTION!
KEEP TRUCKS & HEAVY EQUIPMENT OFF OF UNGRADED AREAS - PROTECT SOILS, AVOID TREE ROOT DAMAGE - PROTECT TREES

SEED & MULCH NEWLY GRADED AREAS, SEED TOPSOIL STOCKPILES. STORE BACKFILL UPHILL FROM EXCAVATION - PREVENT LOSS OF SEDIMENT BY MAINTAINING STRAW BALE DOWN-HILL FROM RAW SOILS

EMBANKMENTS & LOAD BEARING FILL, INCLUDING BASE FOR COTTONWOOD & MARLIN DRIVES, SHALL BE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY EACH LAYER. TESTED ACCORDING TO ASTM D 1556 & 1557, LATEST SPECIFICATIONS

STREET TREES SHALL BE QUERCUS BORREALIS (Q. RUBRA) "RED OAK", PROVIDED, INSTALLED, PROTECTED & MAINTAINED AS SPECIFIED BY THE TOWNSHIP

Lots 1-24 & others to be selected shall be supplemented with other species for Autumn Color Variety

GRAPHIC SCALE

E. BERRY HEY

KING ROAD

BROOKMONT CIRCLE

CEDAR ST.

MARLIN DRIVE

COTTONWOOD DRIVE

BASS COVE

TROUT RUN

DOLPHIN DRIVE

GOLDEN HILL DRIVE

GOLDEN HILL CIRCLE

GLENVILLE CRESCENT

WHITELAND DRIVE

EAST WHITELAND TOWNSHIP

EAST GOSHEN TOWNSHIP

TOWNSHIP LINE (THIS COUNTY)

NORTH SPRAY IRRIGATION AREA (See Tatman & Lee Drawings)

SOUTH SPRAY IRRIGATION AREA (See Tatman & Lee Drawings)

RETENTION POND "A" (See Sheet 7)

FINISHING POND

AERATED LAGOON

SEE SHEET 6 FOR DETAILS OF RETENTION POND "A" Capacity 8.6 Ac. Ft.

Exist Ex. Structures to Be Removed

PROPERTY LINES BY TITLE LOCATION SURVEY

EXISTING CONTOURS

PROPOSED CONTOURS

STORM DRAINAGE PLAN scale 1"=100'
CONSERVATION DATA

SEE SHEETS #5, 6, 7, & 11 FOR STORMWATER CONTROL PLANS & " 9 & 10 FOR PROFILES

SEE SHEETS #5 & 12 FOR ENTRY STREET DRAINAGE & PAVING PLANS COMMENCING ONSITE AT KING ROAD & BROOKMONT CIRCLE AT PA. RT 352

SEE SHEETS #2 & 5 FOR ALTERNATIVE CUL DE SAC EAST END OF BROOKMONT CIRCLE

NOTE: Base drawing, boundary & topography data produced by G.E. Regester, Jr. & Sons, registered land surveyors, Kennett Square, PA. NOTE ALSO: TOWNSHIP BOUNDARY subject to confirm with Surveyors' 1"=50' scale drawings (Sheets 5 & 6)

PROJECT DEVELOPMENT STAGES

Stage	Street Grading	Paving	Lots (#s inclusive)	Other	Acres Disturbed*
I	• COTTONWOOD: King To Dolphin (Utility Installations On Ln)	• BROOKMONT	85-108 (Not More than 8 lots dis-turbed at any time) (16)	RETENTION AREA 'A' TREATMENT AREA Aeration & Settlement Ponds, South Spray Area	17.22
	• MARLIN, CEDAR & BROOKMT	• MARLIN, Brookmt to Cedar			
	• DOLPHIN: Sixth Cul to Cottonwood (Utility installations)	• CEDAR			
II	Grade for Paving: • COTTONWOOD BLVD. King to Trout Run	• COTTONWOOD, King to Trout Run	1-23, 85-88 (30)	OPEN SPACE IMPROVEMENTS UTILITIES IN R/Ws & EASEMENTS	12.01
	• BASS COVE	• BASS COVE			
	• TROUT RUN North Cul de Sac	• TROUT RUN NORTH CUL			
III	Grade And Pave; Extend Utilities • TROUT RUN: Cottonwood To Dolphin	"	24-51, 60-63, 72-77 (33)	RETENTION AREA 'B' TREATMENT AREA North Spray Facility	13.5
	• COTTONWOOD: Trout Run To "				
	• DOLPHIN: Trout Run To Cottonwood				
IV	• DOLPHIN, To its Southwest & East Culs		52-59, 64-71 & 72-76 (21)		7.5
	• TROUT RUN Dolphin To South Cul				

* For Areas Disturbed See Prelim Lot Grading Plan (1"=50') & Calculations Filed With Township Engineers

DURING CONSTRUCTN:
2 Straw Bales - 2"x 6" long Stakes/Bale - Extend to 16" beyond both ends of excavation
AFTER CONSTN:
Remove bales & Gravel, Seed & Establish Berm in Grass or Solid Cover

PRESENT GRADE — Gravel

ON-LOT SEDIMENT CONTROL (TYPICAL)

Soil Erosion Control Guidelines "Plan To Be Submitted With Each Building Permit Application"

STREET RIGHT OF WAY LINE
E OF DRIVEWAY (APPROX R/W LOCATION)
68'x88' HOUSE LOCATION AREA (ADEQUATE FOR ALL MODELS PROPOSED, except where noted S- see model info)
LOT PROPERTY LINE
SOILS CHANGE LINES INTERPOLATED MECHANICALLY FROM 1959 SOIL SURVEY REPORT.
STORMWATER INLET
MAIN
OUTLET HEADWALL
See Stormwater details on Sheets 5, 6, 7, & 9-10 (Summary on 11)
EXISTING TREE MASS To be removed where shown Crosshatched & in R/Ws

Present Grade — 6" Topsoil on 2½:1 Slopes — 4" Pipe Thru — 8' Stone — 2' Min Stone Filter

PERMANENT ON LOT RETENTION BERM SECTION

MAY BE REQUIRED ON LOTS 21-26 & 80-84 INCL.
DETAILS TO BE IN ACCORD WITH LOT GRADING PLANS

Cartway Paving — Warp Paving to Drain to Inlet — Curb Radius — Inner face of Rolled Gutter — Flow

TYPICAL CURB SECTION WITH 2 INLETS

Vertical Face — Top of Grating at Top of Binder Course, Typ. — Vertical Face — 6" Min. Stormwater Sewers Back of Curb — CURB SECTION

SECTION A-A THROUGH TYPICAL INLET

PLAN OF STORMWATER INLET WITH TRANSITION AT POINT OF TANGENCY ON CURVE

NOTE: Inlets on Standard Curb Rolls Shall be Constructed as per 220 Manhole & Streamlined on Inlet Center Line

21 Slopes To Present Grade — See Lateral Spillway Section on Sheet 6 — Top EL 514.5 — 1.2% Slope — Normal Water Level EL 513.7 — 15"x48" Capped Riser (Normal Conc'n) (Obstructions 2'c.c Vert. to Outlet) — 5% Slopes — 10 INCREASER — 18" RCP — 125 LF @ 0.02% — LOW PT EL 512.0 — 90LF — 12" — 128 LF — 220

32' Wide Spillway — 10' Wide Berm at 520 — 1.5%@ 3" Stone on 6" of #2 Crushed Stone as Spillway Protection & Filter — 2.5% — 24' Collars — Conc. Headwall see Sheet 10 — 8' Conc. Headwall Collars — #5 Rebars @ 8" c.c. Horizontal Stirrups at 24" c.c. Typ.

Key Cutoff Trench Min 2' Deep Min 4' Width at Bottom, Walls Slope 3:1

TRASH CAGE 1½"ø Rods @ 6" c.c. both Ways

ANTIVORTEX SPLITTER PLATES 2-2'8"x30"x ½" Plates

Clip Angles 2#x6# Solid Conc. @ Long Block Rein. at Corners (#5 Bars Horiz.)

SECT'N THRU INLET & Spillway

COMPOSITE DIAGRAMMATIC SECTIONS RETENTION POND "A" DETAILS

POND "B" DETAILS SIMILAR

17.5' Wide Spillway — 10' Wide Berm EL 488.0 — 3:1 SLOPE — Riprap — Nominal Water Level EL 485.0 — 12' Earth Cover — HALF SECT'N ACROSS SPILLWAY — 2% Bottom Slope — 8' Conc. Collars — 18" RCP — 180 LF — Inv. 479.0 — LOW POINT EL 479.0 — 140 LF — Cutoff Trench - See Sheet 7 Notes

TRASH RACK ½"ø Rods @ 6" o.c. on faces & Around Pipe, Set in Conc. Bed With ½"ø Bolt

RETENTION POND "B" DETAILS No Scale

2% Slope — Conc. Base — SECT'N THRU INLET POND S A & B

WM. F. MACFIELD P.E.

REVISIONS	
APRIL 17, 1980	
Comp. Stgs. & Lt. Heads	
Add Spillway Sect. for Pond "A"	
Cont. for Final Approval	
Relocate Inlet #9 & Revise Inlet #8	
2-24-81	

WILHELM & ASSOCIATES INC
PLANNING, ENGR., ENGINEERING
230 E. LINCOLN ST. PHILA. PA. 19144

MALVERN GOLF CLUB SUBDIVISION

SW OF KING & SPROUL (PA RT 352), ROADS
EAST GOSHEN & EAST WHITELAND TOWNSHIPS
CHESTER COUNTY, PENNA.

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
UNCHLAND, PA. 19468

CONSERVATION PLAN

SCALE 1" = 100'

8 OF 12

Note 2% Slope of New Paving to Widen, King Rd. Warp in Construction To Avoid Depressions (similar at Rt 352 @ Brookmont Circle)

NOTE BELOW
S.I.#24-B to 24-A 18"RCP 4LF @ .105
S.I.#24A to #26 24"RCP 50LF @.006 (See Malvern Drive)

EXIST'G TO EXIST @ EXISTING 18"CMP END
"8" WATER MAIN (WAS SIZE KING RD)

STA 0-16 Match $ PED INV 549.23

8"DI WATER MAIN 92"MIN. COVER

16"RCP 212 LF @.005

INV 550.96 8"PVC 108 LF @.217

INV 551.77 8"PVC 245 LF @.29

INV 554.93 8"PVC 268 LF @.005

INV 554.68 Out 557.05

INV 555.40 Out 559.15

INV 556.10 Out 560.71

INV 553.42 IN 553.28 OUT

INV 554.52

INV 554.35

INV 554.93 Out 559.74

INV IN 554.83 Out 559.64

15"RCP 3 LF @ 0.18

8"RCP 80 LF @.005

8"RCP 120 LF @.025

8"RCP 76 LF @.17

18"RCP 76 LF

INV 559.06

INV 558.88

INV 558.68

INV 558.48

INV 558.15

INV 557.95

INV 557.75

INV 557.55

INV 557.35

INV 557.15

INV 556.95

INV 556.75

INV 556.55

INV 556.35

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INV 555.15

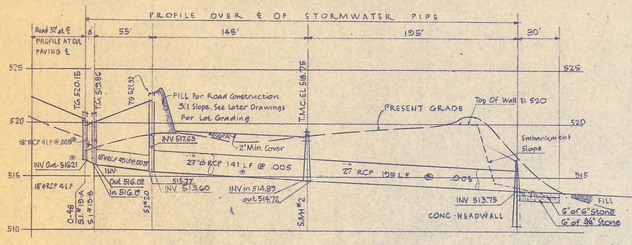
INV 554.95

INV 554.75

INV 554.55

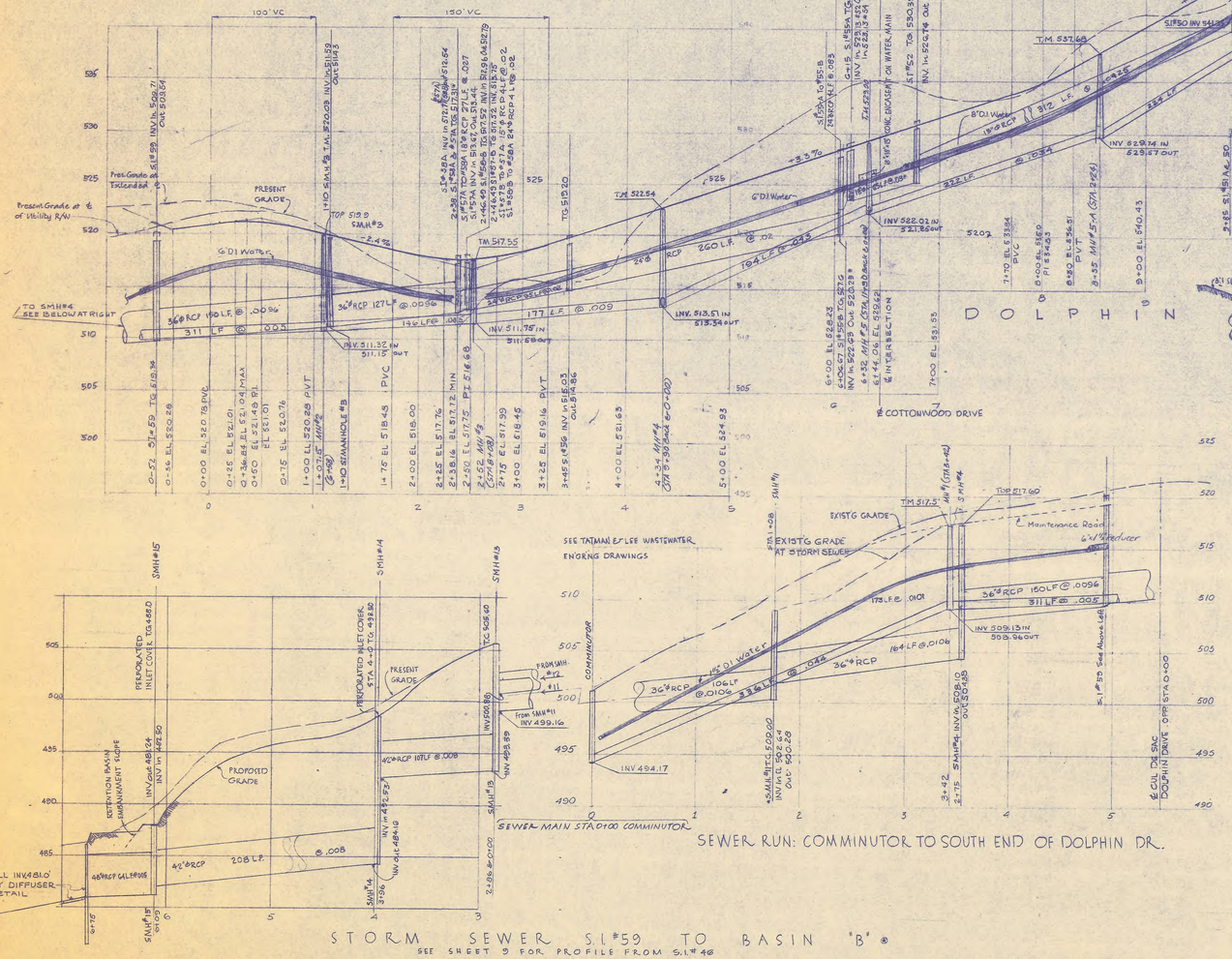
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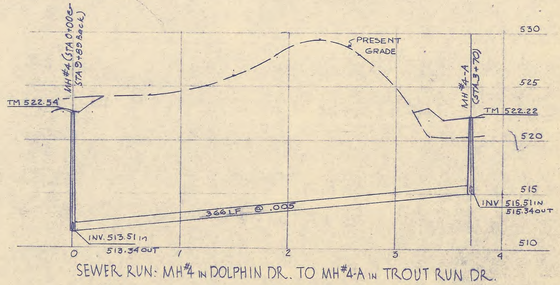
INV



TROUT RUN DRIVE CUL-DE-SAC ℄ & S.I.#19-A19-B, 20 ℄ OUTFALL

SCALE 1" = 50' HOR ℄ 5' VERT





NOTE ALL SANITARY SEWER MAINS 3300 ASBESTOS CEMENT PIPE UNLESS SHOWN D.I.

PROFILE SYMBOLS

17% DRIVE SLOPE
℄ FINISH PROFILE
PRESENT GRADE AT ℄ OF R/W
(STA 12+02) SEWER MAIN DISTANCES

PROFILE SCALE: 1" = 50' HORIZONTAL, 5' VERTICAL

0 15' 50' 125' 175'
5' 30' 75'
5' 4' 3' 2' 1'

APRIL 17, 1980

REVISIONS

Sheet 9 Cover Sht. Grnl. Notes & Legend 10 Cul. De-Sac Profiles 11 Key Map & Typ. Sects. 12 Misc. Details

WILHELM & ASSOCIATES, INC. PLANNING, AGRICULTURAL ENGINEERING SOILS - GEOLOGICAL STUDIES DAVIDSVILLE, PA. 18944

MALVERN GOLF CLUB SUBDIVISION

S.W. OF KING & SPROUL (PA-RT-352) ROADS EAST GOSHEN & EAST WHITELAND TOWNSHIPS CHESTER COUNTY, PA.

FERGUSON & FLYNN ENTERPRISES, INC. OWNER & DEVELOPER UWCHLAND, PA. 19480

STREET PROFILES

SCALES: 1"=50'HOR. 5' VERT.

10 OF 12

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL WILLIAM F. MAXFIELD ENGINEER No. 010774

W. F. MAXFIELD

EAST WHITELAND TOWNSHIP
EAST GOSHEN TOWNSHIP

LOTS #10, 14, 15, 18 & 19 REVISED SEE SHEETS 3 & 6

COTTONWOOD DRIVE

COTTONWOOD COURT

HAMPSHIRE ROAD

KING RD

NORTH CHESTER RD

SPROUL RD. (S.R. 352)

CEDAR ST.

BROOKMONT CIRCLE

PA. R.T. 352

EAST WHITELAND TWP
EAST GOSHEN TWP

RETENTION BASIN "B"

WASTE WATER TREATMENT SYSTEM

SEE TATMAN & LEE DRAWINGS (Not Part Of This Set)

RETENTION BASIN "A"

SEE ALTERNATE CUL-DE-SAC END OF STREET, SHEETS 2 & 5 *

NOTE: STORM DRAINAGE PLANS TO BE REVISED IF ALT CUL END IS INSTALLED 5-12-81

10' 60' 150' SCALE 1"=100'
0 30 100 250

UTILITIES PLAN

See Plan Sheets 5, 6, & 7. Profiles Sheets 9 & 10

SYMBOLS:

- Sanitary Sewer: Direction of Flow
- MH3c " " Manhole
- SMH#3 Stormwater Inlet, Manhole (SMH), & Line & Outlet Headwall
- Water Main (Ductile Iron, of size shown)
- Fire Hydrant (Code, every part of every house within 600', " house within 600' by street)
- Concrete Encasement of Main Intersection 12-10-80

JUNE 30, 1980

REVISIONS
- 10-10-80 Final Plan Approval
- 12-10-80 * Revised "A" Basin
- 1-15-81 Revised
- 2-2-81 Revised
- 5-6-81 ** Manhole Offset/Alt Cul Revisions

WILHELM & ASSOCIATES INC.
PLANNING, ARCHITECTURE & ENGINEERING
239-241 UNION ST. PHILA., PA. 19147

MALVERN GOLF CLUB SUBDIVISION

SW OF KING & N. CHESTER (PA RT 352) R 135
EAST GOSHEN & EAST WHITELAND
TOWNSHIPS, CHESTER COUNTY PA.

FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
EXTON, PA. 19341

STREET UTILITIES

SCALE 1" = 100'

11 OF 12

STREET GRADING PLAN

STREET CENTER LINE DATA See Sheet #3 for Cross Sections
TYPICAL PROPOSED LOT GRADING: See Lots # 25, 29, 31, 36, 51, 75, 101 & 102

SCALE 1"=100'

this drawing based on a boundary survey (& adaptation of Quinn & Assoc topography from aerial photographs) by George E. Regester, Jr. & Sons Surveyors

EAST WHITELAND TOWNSHIP
EAST GOSHEN TOWNSHIP

℄ CURVE #A P.C. STA 21+58.72
R = 375.0' S 45° 40' 00" W
Δ 166° 20' 00"
T 3,120.56
ARC 1088.65'
CH 744.61'
S 53° 30' 00" E
P.T. STA 32+47.37

℄ CURVE #3 P.C. STA 16+25.37
R = 1250.0 S 62° 30' 00" W
Δ 16° 50' 00"
T 184.96
ARC 367.25
CH 365.92
S 54° 05' 00" W
P.T. STA 19+92.62

Lots #10, 11, 14, 15 & 16 to be Revised See Sheets 2 & 3

R.O.W. END: STA 6+5.305 ℞

℄ ROW, END 14+91.50

℄ CURVE #2 P.C. STA 3+03.18 S 47° 50' 00" W
R = 953.50'
Δ 16° 40' 00"
T 122.7
ARC 1244.08'
CH 243.61'
S 55° 10' 00" W
P.T. STA 5+47.26

BASS COVE ST.

COTTONWOOD DRIVE

STA 13+71.00 BLIND ENDS NARROWS

TROUT RUN STA 6+47.72
DOLPHIN STA 14+15.68

℄ CURVE #3 P.C. STA 1+08.08 N 24° 10' 00" W.
R = 245.0'
Δ 32° 00' T 27.50
ARC 54.88
CH 54.17
S - N 25° 50' 00" W
PT. STA 1+62.96

℄ 17" SS 81.

TROUT RUN DRIVE

DOLPHIN DRIVE

COTTONWOOD STA. 52+73.87
DOLPHIN STA. 6+44.06

℄ CURVE #2 P.C. STA 7+76.43 N 30° 40' 00" W
R = 415.0'
Δ 26° 35' 00"
T 140.97
ARC 278.32'
CH 275.73
S N 43° 57' 30" W
PT. STA 10+54.75

℄ TROUT RUN DR. CURVE #1
P.C. STA 1+88 N 15° 10' 00" W
R = 2500.0'
Δ 5° 00' 00"
T 109.75
ARC 332.70'
CH 332.58'
N 12° 40' 00" W 100.0'
PT. STA. 5+47.7

℄ DOLPHIN DR. CURVE #1
R 170.0'
Δ 99° 07' 23"
T 185.48
ARC 294.10'
CH 258.78
S - N 18° 53' 41.5" E
PT. STA 3+68.03

P.C. STA 0+74.85
N 68° 27' 28" E

KING RD.

℄ CURVE #2 P.C. STA 3+03.18 S 47° 50' 00" W
R = 953.50'
Δ 16° 40' 00"
T 122.7
ARC 1244.08'
CH 243.61'
S 55° 10' 00" W
P.T. STA 5+47.26

COTTONWOOD DR. STA 0+00 336' WEST OF ℄ EXTENDED TO ℄ AT KING RD.

STROUL RD. OR.

EAST WHITELAND TWP
EAST GOSHEN TWP

℄ CURVE #1 MARLIN DR. P.C. STA. 0+82.47
R = 850.0'
Δ 25° 10' 00"
T 190.74
ARC 373.32'
CH 370.36' S 29° 35' 00" E
P.T. STA. 4+55.85

See Profile Sheet #3 for STA 0+00

NORTH CHESTER RD.

MARLIN DR.

103 MARLIN DR. STA 0+88.33
CEDAR ST. STA 0+00

CEDAR ST.

℄ CURVE #1 CEDAR ST. STA 0+62
R = 875.0 Δ 6° 38' 00" T 50.07
ARC 100.03 CH 99.97 N 67° 43' 30" E
PT. STA 1+62.05
CIL N 66° 21' 00" E 63.44'

℄ CURVE #2 P.C. STA 7+26.33 S 11° 00' 00" E
R 850.0 Δ 6° 46' 58" T 40.37'
ARC 85.78 CH 85.75' S 14° 06' 31" E
P.T. STA 8+12.12

BROOKMONT CIRCLE

MARLIN DR. STA 8+48.62
BALSAM " 0+47.54
CIL ℄ N 76° 46' 58" E 220.0'

℄ CURVE #2 P.C. STA 3+09.70 N 88° 08' 00" E
R 450.0 Δ 5° 12' 02" T 36.60
ARC 78.44
CH 78.36 N 83° 27' 59" E
S S 78° 46' 58" W 264.4
P.T. STA 3+88.14

℄ CURVE #1 BROOKMONT CIR P.C. STA 0+64.16 N 71° 08' 00" E
R = 360.0
Δ 17° 00' 00"
T 52.31'
ARC 103.85
CH 103.47' N 79° 38' 00" E
S S 88° 08' 00" W 141.60
PT STA 1+68.01

10' 60' 150'
0 30' 100 250
SCALE 1"=100'

COTTONWOOD DR. ℄
℄ CURVE #1 P.C. STA 0+62.04 S 28° 05' 57" W
R = 311.5'
Δ 107° 41' 23"
T 342.20'
ARC 107.32'
CH 100.79'
S - S 37° 57' 48.5" W
P.T. STA 1+69.86
Note: See Profile Sheet #5 for 0+00
N GI 54° 25" W

HEDGE & BRUSH TO BE CUT BACK IN ROW To Improve Sight Distance

LEGAL ROW

EXIST'G PAVING ℄

4" White Paint Line

Remove Existing ℄ Line Entire Length of Widening

HEDGE-Trim or Remove as Needed

SHED

SHED & WOOD FENCE Relocate As Read

EDGE OF EXIST'G PAVING Widen As Dimensioned

KING RD.

P.A. ROUTE 352

COTTONWOOD DRIVE

Yellow 4" Double Paint Lines (New ℄)

4" White Paint Line

24" Wide White Paint Lines 8' C-C

Widen Pavement

LEFT TURN BY-PASS PAVING

KING ROAD (L.R. 15008) & COTTONWOOD DRIVE
SCALE 1" = 50'

CURB TOP
ROADWAY
6"
15.0'

N.S. DETAIL DIAGRAM OF SLOPED CURBS AT ENTRY FROM DECELERATION LANE

SIGN LEGEND

1. W16-2L With 2 Each W16-3Y Top or Bottom HAZARD MARKER
2. R3-2 NO LEFT TURN
3. R4-7(R) KEEP RIGHT
4. R1-2 YIELD

Note: Place R3-2 NO LEFT TURN Signs on Opposite side of RT 352

D.O.T. CURB

PRESENT 50' MINIMUM ZONE LINE
PROPOSED 60' APPROX EXISTING PAVEMENT EDGE

KING RD.

RT 352 (N. CHESTER RD.)

R=150'
R=180'
R=330.00'
R=50'
R=180'
R=50'

56.00'
S 68° 30' 48" W

*Note: On Inner Curb Extend Taper R=50' To Apex Where Island is 8' Wide

D.O.T. Curb
End Treatment

EL 578.0
EL 576.50
EL 575.00

S 71° 08' 00" E
N 71° 08' 00" E
N 67° 32' 48" E
S 67° 32' 48" W

SEE ALTERNATE CUL DE SAC END OF BROOKMONT CIRCLE ON SHEET #5

NOTE: STORM DRAINAGE & GRADING TO BE REVISED IF ALT. CUL END REPLACES INTERSECT'N AS SHOWN ++ 5-12-81

D.O.T. Curb
End Treatment

S 78° 46' 58" W
1108.34'

S 22° 17' 30" E
S 25° 30' 00" E

RT 352

PAVING DIAGRAM

NO LEFT TURN INTERSECTION
BROOKMONT CIRCLE @ RT 352
SCALE 1" = 30'

SIGNS

- (A) W16-1D HAZARD MARKER
- (B) W16-2R RIGHT CLEARANCE MARKER
- (C) R1-1 STOP
- (D) R4-7 KEEP RIGHT
- (E) R4-7-1 KEEP RIGHT
- (E) W4-2R PAVEMENT WIDTH TRANSITION

Note: Right of Way Line Locations Are Estimated. Layout Design By Orth-Rwharte & Associates
A. Eitas 1/8/81

JUNE 30, 1980

REVISIONS
Section Signatures
5/8/80 Genl Rev Final Approval
11/17/80 " Coordination
1-22-81 " P.O.T. Details
5-12-81 " Alt Cul End Roads/Marlin Dr

WILHELM & ASSOCIATES, INC.
PLANNING, ARCHITECTS, ENGINEERING
220 BALL CANNON SQ. PHILA. PA. 19144

MALVERN GOLF CLUB SUBDIVISION
SW OF KING & N. CHESTER (PA RT. 352) RDS
EAST GOSHEN & EAST WHITELAND TOWNSHIPS, CHESTER COUNTY, PA.

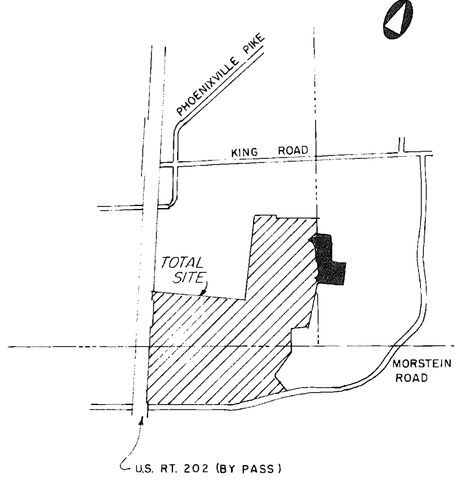
FERGUSON & FLYNN ENTERPRISES, INC.
OWNER & DEVELOPER
UWCHLAND, PA. 19480

STREET GRADING & CURVES & TYPICAL LOT GRDG

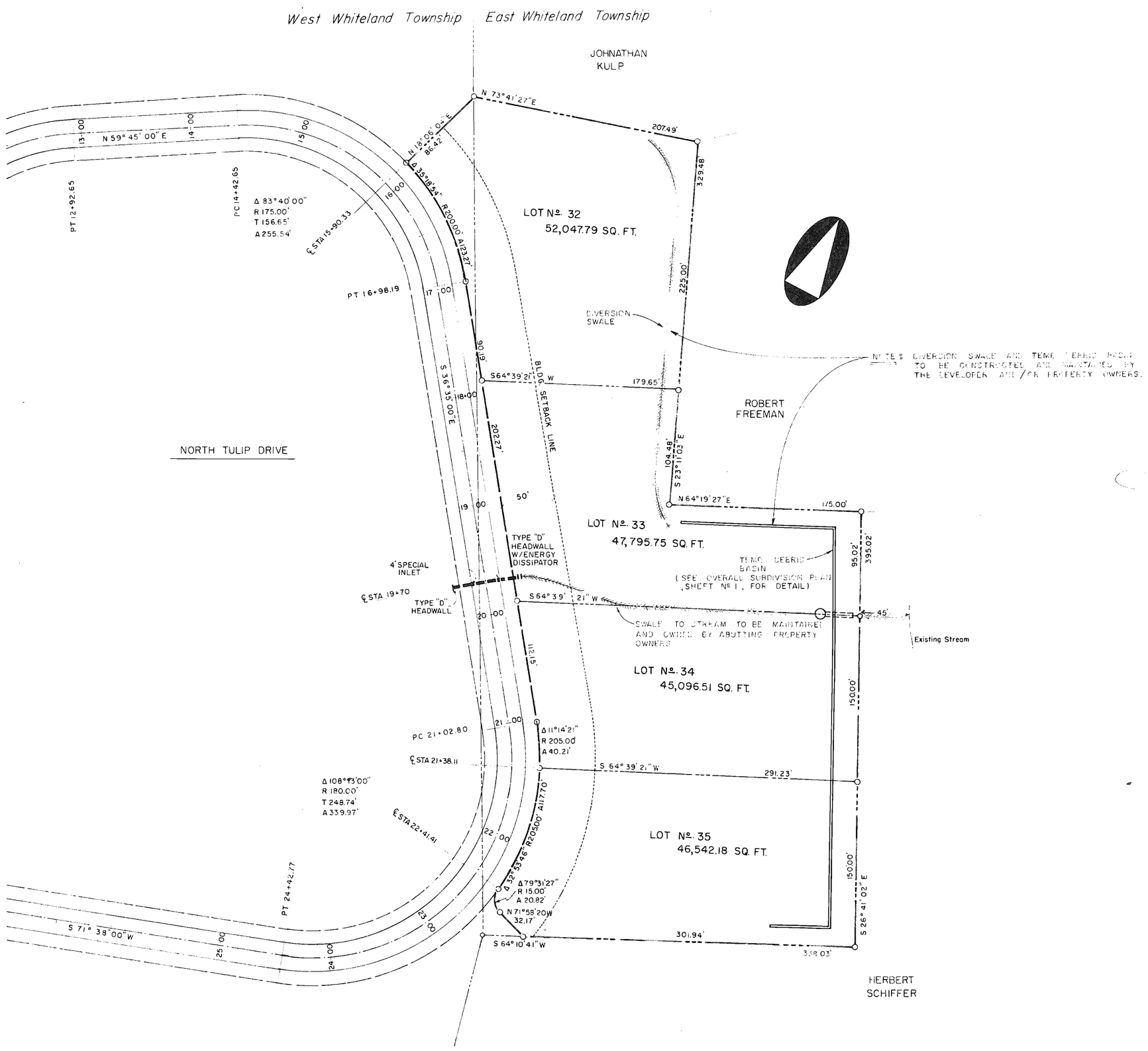
SCALE: 1" = 100'

12 OF 12

SUBDIVISION PLAN FOR MILL VALLEY



LOCATION PLAN
SCALE 1"=800



Also Approved Subject to the Following Conditions:

1. Developer must provide sufficient escrow funds to guarantee the construction of the road system and other improvements that will serve the four lots in East Whiteland. Said funds shall be approved and controlled by West Whiteland.
2. Capped sewers shall be installed in accordance with the specifications of West Whiteland Township.
3. Public water shall be provided for all lots in East Whiteland. The system shall meet the approval of West Whiteland Township.
4. Building permits must be obtained from East Whiteland. Said permits shall be issued only when West Whiteland authorizes the construction of dwellings in Section II. This is the Section in which the East Whiteland lots are located.

APPROVED

SUBJECT TO ALL
LAWS AND ORDINANCES
OF EAST WHITELAND TOWNSHIP.
DATE NOVEMBER 13, 1972

APPROVED BY EAST WHITELAND TOWNSHIP
BOARD OF SUPERVISORS

11/13/72

13th DAY OF NOVEMBER 1972

APPROVED BY EAST WHITELAND TOWNSHIP
PLANNING COMMISSION

_____ DAY OF _____ 1972

APPROVED BY THE CHESTER COUNTY
PLANNING COMMISSION

THIS ____ DAY OF _____ 1972

_____
SECRETARY

RECORD OWNER
HERBERT SCHIFFER ET AL

EQUITABLE OWNER & SUBDIVIDER
ARNOLD J. BRYAN JR.

BUILDINGS TO BE CONSTRUCTED WILL BE SINGLE FAMILY RESIDENCES. RESIDENCES WILL BE CONSTRUCTED IN EAST WHITELAND TOWNSHIP ON LOTS 32 THROUGH 35

FIELD SURVEY BY
GEO. E. REGESTER JR. & SON INC.
KENNETT SQUARE, PENNA.

STATE OF PENNSYLVANIA :
COUNTY OF CHESTER :

ON THE 10th DAY OF November 1972 A.D. BEFORE ME THE SUBSCRIBER, A NOTARY PUBLIC OF THE COMMONWEALTH OF PENNSYLVANIA, RESIDING IN West Chester, PERSONALLY APPEARED Arnold J. Bryan Jr. WHO BEING DULY SWORN ACCORDING TO THE LAW, DISPOSES AND SAYS, THAT HE IS THE OWNER, OR EQUITABLE OWNER OF THE PROPERTY SHOWN ON THIS PLAN, THE SUBDIVISION PLAN WAS MADE AT HIS DIRECTION AND THAT HE ACKNOWLEDGES THE SAME TO BE HIS LOT AND PLAN AND DESIRES THE SAME BE DULY RECORDED

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

SIGNATURE OF INDIVIDUAL

Seal

NOTARY PUBLIC
JOSEPH B. ERGEL
Notary Public, West Chester Boro, Chester Co.
My Commission Expires February 23, 1976

MY COMMISSION EXPIRES

MILL VALLEY

E. Goshen Twp.
E. Whiteland Twp.
W. Whiteland Twp.
Chester County, Pennsylvania

REVISIONS
10/18/72

ROBERT F. HARSCH
Consulting Engineer
220 N. Walnut St. West Chester, Pa.

42061L0001

Revision 10/18/72

FINAL SUBDIVISION PLAN
EAST WHITELAND TWP.

Dwg By: raj | Scale: 1" = 50' | Date: 3/28/72

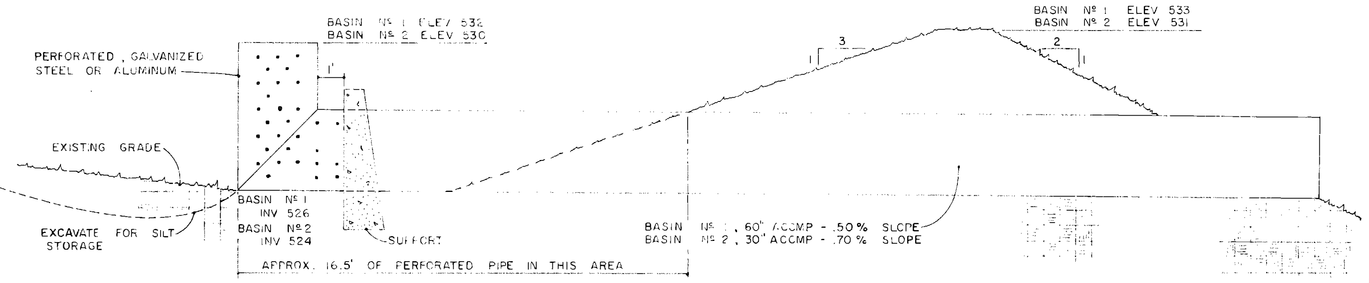
Sheet 2 EW

42-61-1/4



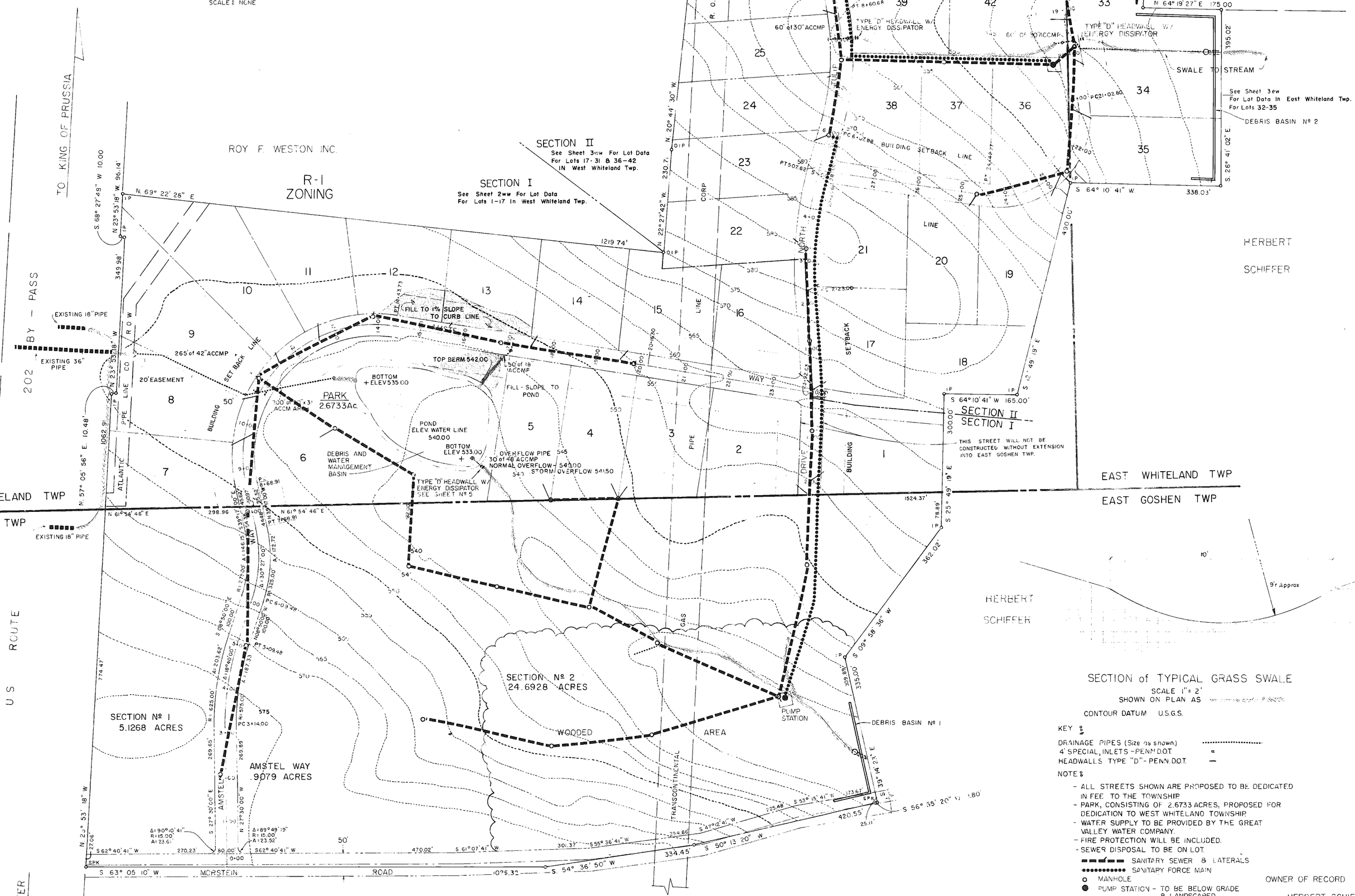
SECTION THROUGH DEBRIS & WATER MANAGEMENT BASIN (POND)

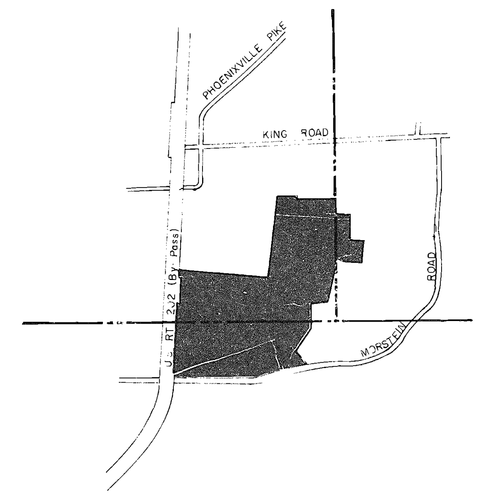
SCALE: 1" = 30'



TYPICAL DEBRIS BASIN OUTLET

SCALE: NONE





LOCATION PLAN

SCALE 1" = 800

STORM WATER STORAGE

POND 2	TEMP. STORAGE REQ. REQ.	STORM WATER	=	1.34 ACRE FE
		DEBRIS	=	.70
		TOTAL	=	2.04
	STORAGE PROVIDED		=	1.70
		DEFICIENCY	=	(-).34 *
DEBRIS BASIN Nº 1	TEMP STORAGE REQUIRED	STORM WATER		4.90
		DEBRIS		2.40
		TOTAL	=	6.90
	STORAGE PROVIDED *		=	7.25 *

* NOTE: DEBRIS BASIN Nº 1 WILL PROVIDE FOR DEFICIENCY IN STORAGE POND

DEBRIS BASIN Nº 2	TEMP. STORAGE REQUIRED	STORM WATER	=	1.39
		DEBRIS	=	1.19
		TOTAL	=	2.38
	STORAGE PROVIDED		=	2.40 ACRE FE

FINAL STORM WATER STORAGE REQUIRED = NONE
FINAL STORM WATER STORAGE PROVIDED (POND) = 1.70 ACRE FE

SECTION of TYPICAL GRASS SWALE

SCALE 1" = 2'
SHOWN ON PLAN AS

CONTOUR DATUM U.S.G.S.

KEY:

DRAINAGE PIPES (Size as shown) .....
4' SPECIAL, INLETS - PENN DOT
HEADWALLS TYPE "D" - PENN DOT —

NOTES:

- ALL STREETS SHOWN ARE PROPOSED TO BE DEDICATED IN FEE TO THE TOWNSHIP
- PARK, CONSISTING OF 2.6733 ACRES, PROPOSED FOR DEDICATION TO WEST WHITELAND TOWNSHIP.
- WATER SUPPLY TO BE PROVIDED BY THE GREAT VALLEY WATER COMPANY.
- FIRE PROTECTION WILL BE INCLUDED.
- SEWER DISPOSAL TO BE ON LOT.

▬▬▬ SANITARY SEWER & LATERALS
•••••••••• SANITARY FORCE MAIN
o MANHOLE
● PUMP STATION - TO BE BELOW GRADE & LANDSCAPED

* INSTALL 4" A.C FORCE MAIN UNDER PAVING AT STATIONS 6+00, 11+50
REMAINDER OF FORCE MAIN TO BE INSTALLED AS REQUIRED

- ANY LAND DISTURBED BY GRADING FOR MORE THAN 30 DAYS MUST BE SEEDED WITH A TEMP. GROUND COVER CONSISTING OF RYE, KENTUCKY III, & FESCUE MIXTURE.
- DISTURBED AREAS SHOULD BE PERMANENTLY SEEDED AS SOON AS FINISH GRADING IS COMPLETE.

OWNER OF RECORD
HERBERT SCHIFFER ET AL

EQUITABLE OWNER AND APPLICANT
MILL VALLEY

APPROVED BY WEST WHITELAND TWP BOARD OF SUPERVISORS

CHAIRMAN

SECRETARY

DAY OF 19

APPROVAL OF THIS PLAN INCLUDES SHEETS 4ww & 5ww OF THE IMPROVEMENT CONSTRUCTION PLANS, WEST WHITELAND TWP., MADE A PART HEREOF

DAY OF 19

APPROVED BY WEST WHITELAND TWP PLANNING COMMISSION

APPROVED BY THE CHESTER COUNTY PLANNING COMMISSION

SECRETARY

DAY OF 19

MILL VALLEY

E. Goshen Twp.
E. Whiteland Twp.
W. Whiteland Twp.
Chester County, Pennsylvania

ROBERT F. HARSCH
Consulting Engineer
222 N. Walnut St., West Chester, Pa.

ROBERT F. HARSCH — PROFESSIONAL ENGINEER — COMMONWEALTH OF PENNSYLVANIA

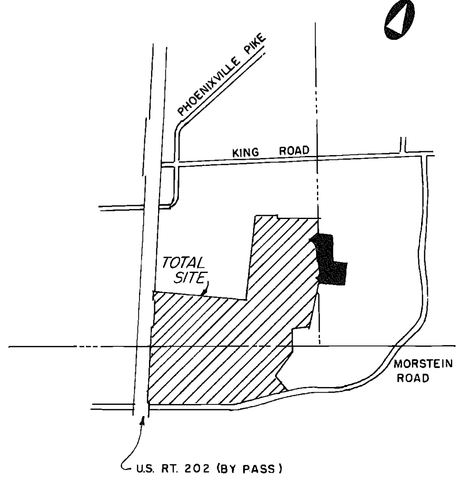
10/18/72

Revision
12/14/71
2/14/72
3/28/72
5/24/72
7/19/72
7/25/72
9/14/72
10/5/72

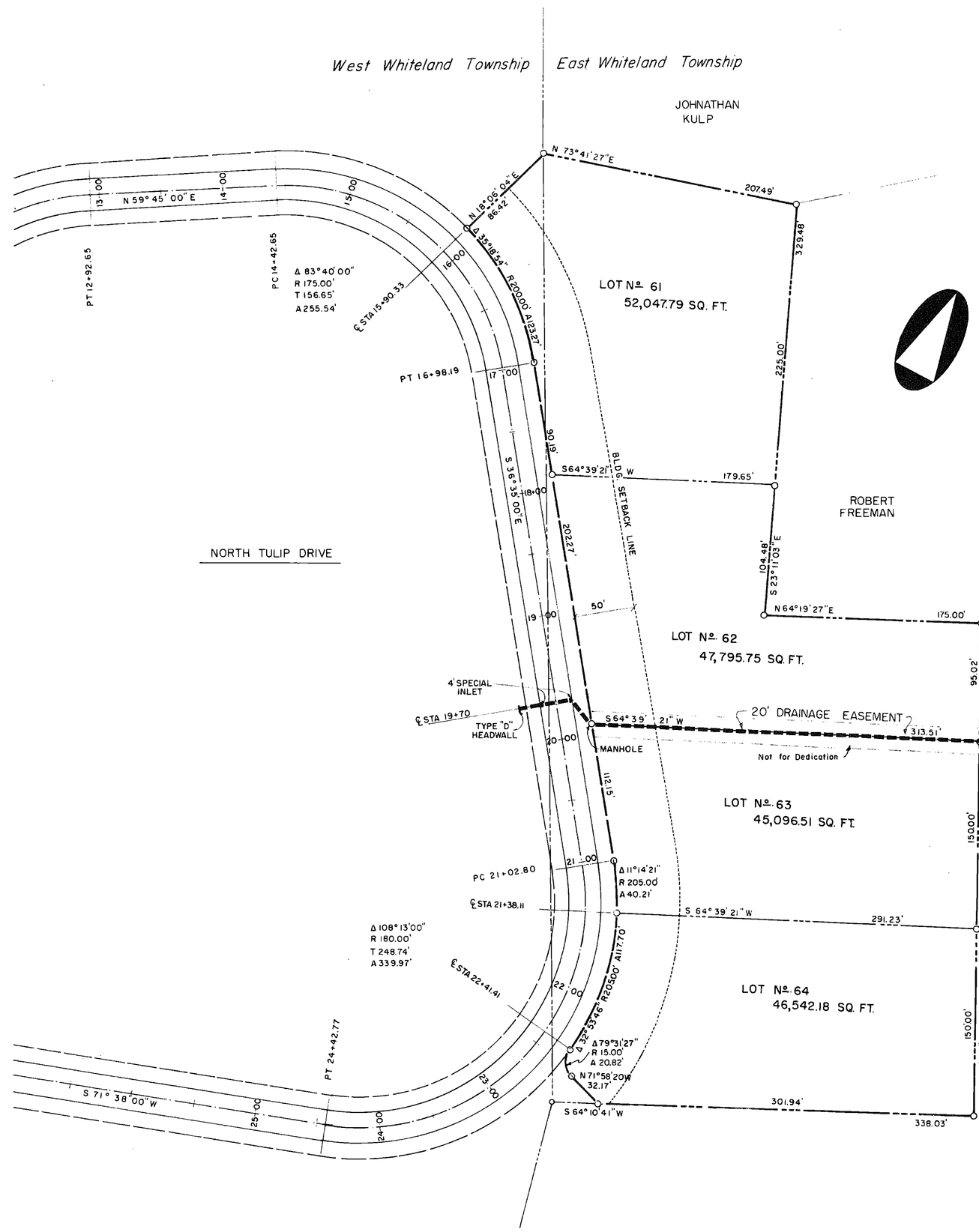
OVERALL SUBDIVISION PLAN

Sheet 1

Dwg By	Scale	Date
F. S	1" = 100.00'	29 Nov. 71



LOCATION PLAN
SCALE 1"=800'



SCALE 1"=50'
0 10 25 50 100 200

That Section of the Plan Applicable to East Whiteland Township Rejected by Board of Supervisors on May 1, 1972, for the following Reasons:

1. Access to the lots in East Whiteland is through East Goshen and West Whiteland Townships. To date, the street network in the other Townships has not been approved. Therefore, the lots being considered for approval by East Whiteland at present are inaccessible. This situation does not conform to Section 506 Subsection 5 of the Township Subdivision Ordinance which requires that every residential lot shall front or abut on a public street.

2. The recommendations of the Soil Conservation Service concerning drainage have been requested. To date, comments from the Service have not been received. Section 502 Subsection 7 of the Township Subdivision Ordinance contains regulations relative to the control of drainage. Until the suggestions to be made by Soil Conservation are received, the Township can not make an intelligent decision on drainage.

Rejection of this Plan is hereby certified by

J. Donald Reimenschneider
J. Donald Reimenschneider
Township Secretary
East Whiteland Township

APPROVED BY EAST WHITELAND TOWNSHIP
BOARD OF SUPERVISORS

_____

_____

_____

____ DAY OF _____ 1972

APPROVED BY EAST WHITELAND TOWNSHIP
PLANNING COMMISSION

E. Richmond Shuman

_____

_____

_____

_____

14 DAY OF April 1972

APPROVED BY THE CHESTER COUNTY
PLANNING COMMISSION

THIS ____ DAY OF _____ 1972

_____
SECRETARY

RECORD OWNER
HERBERT SCHIFFER ET AL

EQUITABLE OWNER & SUBDIVIDER
ARNOLD J. BRYAN JR.

BUILDINGS TO BE CONSTRUCTED WILL BE SINGLE FAMILY RESIDENCES. RESIDENCES WILL BE CONSTRUCTED IN EAST WHITELAND TOWNSHIP ON LOTS 61 THROUGH 64

FIELD SURVEY BY
GEO. E. REGESTER JR. & SON INC.
KENNETT SQUARE, PENNA.

STATE OF PENNSYLVANIA :
COUNTY OF CHESTER :

ON THE 29th DAY OF March 1972 A.D. BEFORE ME THE SUBSCRIBER, A NOTARY PUBLIC OF THE COMMONWEALTH OF PENNSYLVANIA, RESIDING IN Chester Co., PERSONALLY APPEARED Herbert F. Schiffer, JR., WHO BEING DULY SWORN ACCORDING TO THE LAW, DISPOSES AND SAYS, THAT HE IS THE OWNER, OR EQUITABLE OWNER OF THE PROPERTY SHOWN ON THIS PLAN, THE SUBDIVISION PLAN WAS MADE AT HIS DIRECTION AND THAT HE ACKNOWLEDGES THE SAME TO BE HIS LOT AND PLAN AND DESIRES THE SAME BE DULY RECORDED

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

_____
SIGNATURE OF INDIVIDUAL

Seal

_____
NOTARY PUBLIC
Notary Public, Downingtown (Chester Co.), Pa.
My Commission Expires July 18, 1974

MY COMMISSION EXPIRES

RECORDER OF DEEDS

MILL VALLEY

E. Goshen Twp.
E. Whiteland Twp.
W. Whiteland Twp.
Chester County, Pennsylvania

ROBERT F. HARSCH
Consulting Engineer
222 N. Walnut St., West Chester, Pa.

Revision	FINAL SUBDIVISION PLAN EAST WHITELAND TWP			Sheet
	Dwg By: raj	Scale: 1" = 50'	Date: 3/28/72	2 EW

RUSSELL WHITMAN

WILLIAM KINEY

WEST WHITELAND TWP

EAST WHITELAND TWP

JOHNATHAN KULP

ROY F. WESTON INC.

R-1 ZONING

ROBERT FREEMAN

R-1 ZONING

HERBERT SCHIFFER

HERBERT SCHIFFER

TO KING OF PRUSSIA

202 BY - PASS

U S ROUTE

TO WEST CHESTER

WEST WHITE LAND TWP

EAST GOSHEN TWP

EAST WHITELAND TWP

EAST GOSHEN TWP

MORSTEIN ROAD

AMSTEL WAY

BARKWAY

JULIP DRIVE

SOUTH FLUP DRIVE

NORTH FLUP DRIVE

TRANSCONTINENTAL GAS PIPE LINE CO

ATLANTIC PIPE LINE CO

R. O. W.

BUILDING SETBACK LINE

PARK 2.6733Ac.

POND ELEV WATER LINE 540.00

BOTTOM ELEV 533.00

OVERFLOW PIPE 30 of 48 ACCMP

NORMAL OVERFLOW - 540.00

STORM OVERFLOW 541.50

FILL - SLOPE TO POND

TOP BERM 542.00

FILL TO 1% SLOPE TO CURB LINE

WOODED AREA

EXISTING 18" PIPE

EXISTING 36" PIPE

EXISTING 18" PIPE

60' of 24" ACCMP

380' of 30" ACCMP

20' EASEMENT TO STREAM

40' of 18" ACCMP

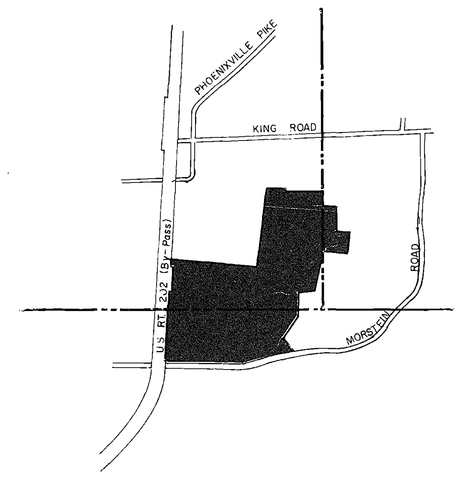
60' of 18" ACCMP

75' of 18" ACCMP

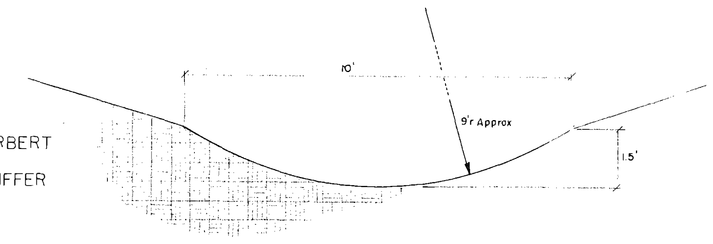
150' of 18" ACCMP

200' of 50" x 31" ACCM ARCH

See Sheet 2 for Lot Data for Lots 61-64



LOCATION PLAN
SCALE 1" = 800'



SECTION of TYPICAL GRASS SWALE
SCALE 1" = 2'
SHOWN ON PLAN AS

CONTOUR DATUM U.S.G.S.

KEY :

DRAINAGE PIPES (Size as shown) .....
4' SPECIAL, INLETS - PENN D.O.T. ▪
HEADWALLS TYPE "D" - PENN. D.O.T. —

NOTE :

- ALL STREETS SHOWN ARE PROPOSED TO BE DEDICATED IN FEE TO THE TOWNSHIP.
- PARK, CONSISTING OF 2.6733 ACRES, PROPOSED FOR DEDICATION TO WEST WHITELAND TOWNSHIP
- WATER SUPPLY TO BE PROVIDED BY THE GREAT VALLEY WATER COMPANY.
- FIRE PROTECTION WILL BE INCLUDED.
- SEWER DISPOSAL TO BE ON LOT.

TOTAL ACREAGE = 85.1200

TOTAL Nº OF LOTS = 71

LOT SIZE = 1 ACRE ±

OWNER OF RECORD

HERBERT SCHIFFER ET AL

EQUITABLE OWNER AND APPLICANT

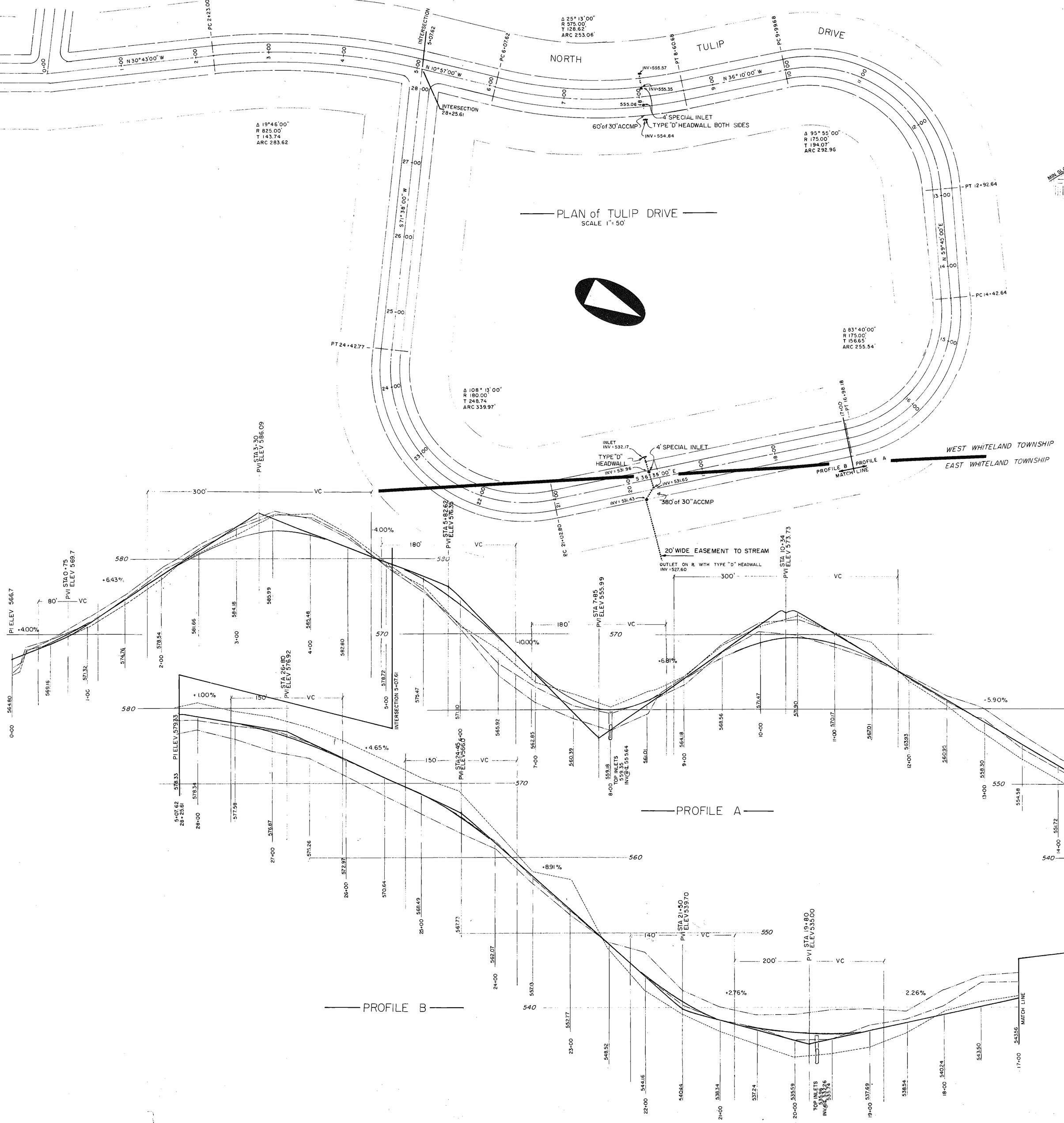
MILL VALLEY

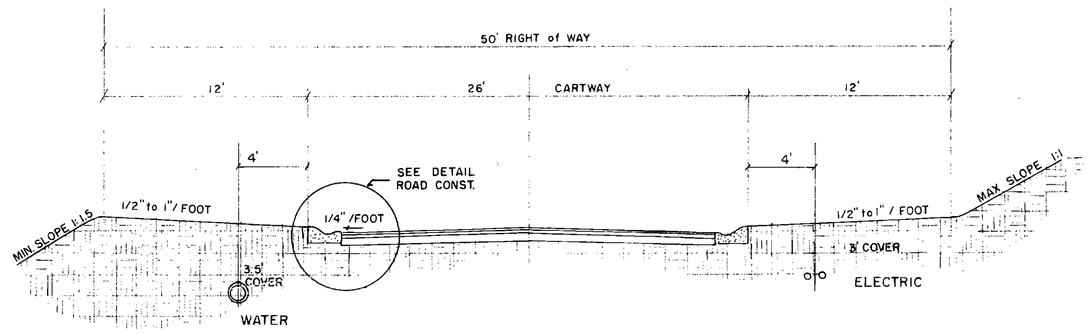
MILL VALLEY

E. Goshen Twp.
E. Whiteland Twp.
W. Whiteland Twp.
Chester County, Pennsylvania

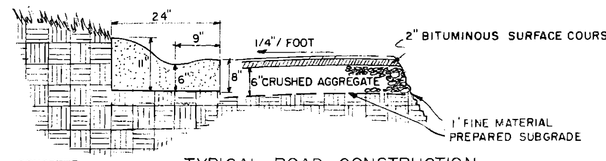
ROBERT F. HARSCH
Consulting Engineer
222 N. Walnut St., West Chester, Pa.

Revision		Sheet
12/14/71 2/14/72 3/28/72	OVERALL SUBDIVISION PLAN	1
Dwg By: P.J.S.	Scale 1" = 100.00'	Date 29 Nov. 71





TYPICAL ROAD SECTION
SCALE 1"=5'



TYPICAL ROAD CONSTRUCTION

CONCRETE
MIN 25 DAY STRENGTH
3500 LB/SQ IN
SEE PENN D.O.T STDS.

30" DRAINAGE PIPE AT STATION 19+70

PEAK FLOW Q:
RUN-OFF FACTOR C=.6
RAINFALL INTENSITY
15 MIN. DURATION
25 YR. STORM I = 5.2 in/hr
DRAINAGE AREA
13.77 ACRES
PEAK FLOW Q IN C.F.S.
Q = C.I.A.
= .4 x 5.2 x 13.8
= 43.0 C.F.S.

SIZE PIPE:
REF - SEELEY, Pg 18-72
NOMOGRAPH FOR PIPES RUNNING FULL
N = .013
MAX. VELOCITY ± 9 ft/sec
30" PIPE GIVES 44 C.F.S. AT .012 SLOPE

MILL VALLEY

E. Goshen Twp.
E. Whiteland Twp.
W. Whiteland Twp.
Chester County, Pennsylvania

ROBERT F. HARSCH
Consulting Engineer
222 N. Walnut St., West Chester, Pa.

Revision	PLAN & PROFILE NORTH TULIP DRIVE	Sheet
3/28/72		3 EW
Dwg By: raj	Scale: 1"=50'	Date: 2/1/72

UPDATED CUSTOMER NOTICE TO EAST WHITELAND WASTEWATER CUSTOMERS

NOTICE OF PROPOSED ACQUISITION AND RATE BASE ADDITION
Docket No. A-2021-3026132

Dear Customer:

On [DATE], the Pennsylvania Public Utility Commission (PUC) conditionally accepted for filing the application of Aqua Pennsylvania Wastewater, Inc. (Aqua) for approval to acquire the East Whiteland Township (East Whiteland) wastewater system assets. East Whiteland serves approximately 3,900 customers in Chester County, Pennsylvania. Aqua's application also requests that the PUC authorize an addition of up to $54.93 million to Aqua's rate base pursuant to 66 Pa. C.S. § 1329. A utility's rate base is the value of property used by the utility to provide service to its customers and is one of several components used to establish a utility's customer rates.

This acquisition will not immediately, but may in the future, affect water and/or wastewater bills of Aqua customers, including the new East Whiteland Township wastewater customers. Aqua is not requesting a rate increase as part of the acquisition. Your rates will not change as a result of this transaction until the conclusion of an Aqua rate case where Aqua includes the East Whiteland system and requests and receives PUC approval to increase its rates. At that time, based on a preliminary analysis of the potential rate impacts, Aqua estimates that the rates of the average customer could increase. The amount of the increase will be determined in Aqua's next base rate case and will be dependent on how the PUC chooses to apportion the increase among Aqua's acquired and existing customers. The tables below present non-binding estimated incremental rate effect of the proposed rate base addition on East Whiteland's wastewater customers, which include estimates with and without cost sharing. Aqua has sought cost sharing in later rate filings for acquired systems and therefore we are providing both scenarios in this notice:

East Whiteland Customers rates assuming costs are shared with other Aqua customers

Rate Class	Average Usage	Estimated Monthly Increase	Estimated Percentage Increase
Sewer District A & B	Fixed	$21.02	63.05%
Sewer District C	Fixed	$28.48	63.05%
Sewer District D	Fixed	$31.53	63.05%
Sewer District E	Fixed	$25.22	63.05%
High Volume Users	372,210 gal/month	$1,455.09	63.05%

East Whiteland Customers rates assuming no costs are shared with other Aqua customers

Rate Class	Average Usage	Estimated Monthly Increase	Estimated Percentage Increase
Sewer District A & B	Fixed	$44.31	132.93%
Sewer District C	Fixed	$60.04	132.93%
Sewer District D	Fixed	$66.47	132.93%
Sewer District E	Fixed	$53.17	132.93%
High Volume Users	372,210 gal/month	$3,067.71	132.93%

The amounts stated above could change and will depend on how the PUC chooses to apportion any increase among the types of service, rate zones, and classes of customers.

PUC ROLE

The state agency which approves acquisitions and rates for regulated public utilities is the PUC. The PUC will review and investigate the proposed acquisition and requested $54.93 million in additional rate base. After examining the evidence, the PUC may approve, modify or deny the acquisition and may approve or modify the $54.93 million addition to rate base. The PUC will issue a decision on the application on or around [DATE].

ACTIONS YOU CAN TAKE

You can support or challenge Aqua's request by:

1) Sending a letter to the PUC. You can tell the PUC why you support or object to Aqua's acquisition of East Whiteland's wastewater system in your letter. This information can be helpful when the PUC investigates the application. Send your letter to the Pennsylvania Public Utility Commission, Post Office Box 3265, Harrisburg, PA 17105-3265.

2) Attending or presenting testimony at a PUC Public Input Hearing. You can attend or be a witness at a PUC public input hearing. The PUC holds public input hearings if it opens an investigation into Aqua's transaction and there is enough interest in the case. At these hearings, you can present your views in person to the PUC judge and to company representatives. Testimony under oath becomes part of the application case record. The PUC holds these hearings in the service area of the company. For more information, call the PUC at 1.800.692.7380.

3) Filing a protest or a petition to intervene. If you want to be a party to the case, you must file a protest or a petition to intervene. You then have an opportunity to take part in all the hearings about the proposed acquisition. You can receive copies of all materials distributed by the other parties. Protests and petitions to intervene must be filed in accordance with 52 Pa. Code (relating to public utilities) on or before [DATE]. Filings must be made with the Secretary of the Pennsylvania Public Utility Commission at P.O. Box 3265, Harrisburg, PA 17105-3265, with a copy served on Aqua's counsel at Thomas, Niesen & Thomas, LLC, Attn: Thomas T. Niesen, 212 Locust Street, Suite 302, Harrisburg, PA 17101.

The documents filed as part of this application are available for inspection and copying at the Office of the Secretary of the PUC between 8 a.m. and 4:30 p.m., Monday through Friday, on the PUC's website at www.puc.pa.gov and at Aqua's offices at 762 West Lancaster Avenue, Bryn Mawr, PA 19010. The PUC docket number is A-2021-3026132.

UPDATED APPENDIX A TO
AQUA STATEMENT NO. 1

Aqua Pennsylvania Wastewater, Inc.
EAST WHITELAND sanitary sewer system

1.) **EAST WHITELAND sanitary sewer system**

		Year 1	Notes
Revenue	$	3,769,536	
O&M		1,965,601	
Depreciation		1,505,867	****2.72% Composite Depreciation Rate*
Taxes Other		90,539	
Income Taxes	$	(265,129)	*****21% Federal & 9.99% State*
Operating Income	**$**	**472,658**	
Rate Base at Fair Market Value	$	54,930,000	
Capital Investments *(Year 1)*	$	432,764	
Rate Base *(Including Capital Investments less depreciation year 1)*	$	53,856,897	
Interest Expense ^		1,124,933	
^ Includes Interest Expense syncronized with rate base			
Required Operating Income *(Rate Base x Rate of Return)*	**$**	**3,971,270**	
Operating Income Deficiency	**$**	**3,498,613**	
Gross Revenue Conversion Factor		1.432171	
Revenue Deficiency (Excess) $	**$**	**5,011,000**	
Revenue Deficiency (Excess) %		**132.93%**	
Increase applied to Acquired (Authority) customers (Act 11) 70 COS%	**$**	**2,376,839**	
Increase %		**63.05%**	
Increase applied to Acquired (Authority) customers 100%	**$**	**5,011,000**	
Increase %		**132.93%**	
Increase applied to Acquired (Authority) customers 50%	**$**	**2,505,500**	
Increase %		**66.47%**	
Increase applied to Existing (Company Wastewater) customers 50%	**$**	**2,505,500**	
Increase %		**4.67%**	
Increase applied to Existing (Company Water) customers (Act 11) 30%	**$**	**2,634,161**	
Increase %		**0.49%**	

	Avg. Usage/Kgal	Estimated Monthly Increase	Estimated Percentage Increase
Sewer District A & B - Residential & Commercial 70% COS	Fixed	$ 21.02	63.05%
Sewer District C - Residential 70% COS	Fixed	$ 28.48	63.05%
Sewer District D - Residential 70% COS	Fixed	$ 31.53	63.05%
Sewer District E - Residential & Commercial 70% COS	Fixed	$ 25.22	63.05%
High Volume Users 70% COS	372.21	$ 1,455.09	63.05%
Sewer District A & B - Residential & Commercial 100%	Fixed	$ 44.31	132.93%
Sewer District C - Residential 100%	Fixed	$ 60.04	132.93%
Sewer District D - Residential 100%	Fixed	$ 66.47	132.93%
Sewer District E - Residential & Commercial 100%	Fixed	$ 53.17	132.93%
High Volume Users 100%	372.21	$ 3,067.71	132.93%
Sewer District A & B - Residential & Commercial 50%	Fixed	$ 22.16	66.47%
Sewer District C - Residential 50%	Fixed	$ 30.02	66.47%
Sewer District D - Residential 50%	Fixed	$ 33.23	66.47%
Sewer District E - Residential & Commercial 50%	Fixed	$ 26.59	66.47%
High Volume Users 50%	372.21	$ 1,533.86	66.47%
Impact Existing Customers (Company Wastewater) - Residential - 50%	3.02	$ 4.62	4.67%
Impact Existing Customers (Company Wastewater) - Commercial - 50%	21.94	$ 14.53	4.67%
Impact Existing Customers (Company Wastewater) - Industrial - 50%	3.20	$ 3.74	4.67%
Impact Existing Customers (Company Water) - Residential	4.08	$ 0.39	0.49%
Impact Existing Customers (Company Water) - Commercial	37.05	$ 2.48	0.49%
Impact Existing Customers (Company Water) - Industrial	211.51	$ 11.66	0.49%

2.) **Rate of Return**

	Ratio	Cost Rate	WACC
Debt	47.15%	4.43%	2.09%
Equity	52.85%	10.00%	5.29%
	100.00%		7.37%

3.) **Gross Revenue Conversion Factor**

Dollar of Revenue		1.0000
Less: Gross Receipts (Revenue) Tax	0.00%	0.0000
Less: Reg Assesments	0.62%	0.0062
Less: Bad Debts	1.17%	0.0117
State Taxable Income		0.982053
State Income Tax	9.9999%	0.0982
Federal Taxable Icome		0.883848772
Federal Tax Rate	21.00%	
Federal Income Tax		0.185608
Net Revenue Dollar		0.69824052992
Gross Revenue Conversion Factor		1.43217123
EFT	28.8999%	

Aqua Pennsylvania Wastewater, Inc.
Calculation of EAST WHITELAND sanitary sewer system - Present Revenues

	Current Rates	*Customers 2020*	*Method*	*Gallons 2020*	*EDU's 2020*	*Revenue 2020*
Service Charges:						
SEWER DISTRICT A & B	$400.00	3,053	per EDU annually		6,566	$2,626,400
SEWER DISTRICT C	$542.00	28	per EDU annually		28	$15,176
SEWER DISTRICT D	$600.00	279	per EDU annually		279	$167,400
SEWER DISTRICT E	$480.00	522	per EDU annually		772	$370,560
HIGH VOLUME CUSTOMERS	$6.20 per 1,000 gallons	13	per 1,000 Gallons	58,064,516	13	$360,000
Other Charges:						$230,000
Total Revenue at Present Rates		**3,895**		**58,064,516**	**7,658**	**$3,769,536**

Aqua Pennsylvania Wastewater, Inc.
Calculation of EAST WHITELAND sanitary sewer system - Operating and Maintenance Expenses

OPERATING AND MAINTENANCE EXPENSES:	*Year 1*
O&M Labor Exp Reg	$ 161,782
O&M Labor Exp OT	16,178
O&M Employee Benefits	97,069
O&M Purchased WW Treatment	1,313,690
O&M Purchased Power	84,000
O&M Chemicals	1,000
O&M Mgmt Fees	195,381
O&M OS Engineering	6,000
O&M OS Operations	10,000
O&M OS Maintenance	16,000
O&M Transportation	36,000
O&M Supplies	8,500
O&M Other	20,000
Total O&M Expenses =>	$ 1,965,601

Aqua Pennsylvania Wastewater, Inc.
Calculation of EAST WHITELAND sanitary sewer system - Taxes Other Than Income

TAXES OTHER THAN INCOME (PRE-RATE CASE)	*Rate*		*Year 1*
Payroll Taxes (FICA, FUTA, SUTA)	8.000%	$	14,237
Property Taxes / (Purta)	1.400%	$	52,774
Regulatory Assessments	0.624%	$	23,529
Total		$	90,539

Docket No. R-2018-3003558

Schedule A-2
Witness: William C. Packer

AQUA PENNSYLVANIA, INC.

NUMBER OF CUSTOMERS SERVED

AND WHOSE BILLS WILL BE CHANGED

LINE NO.	CUSTOMER CLASS	SERVED AT 3/31/2017	SERVED AT 3/31/2018	TO BE SERVED AT 3/31/2019	TO BE SERVED AT 3/31/2020	INCREASED BILLS	DECREASED BILLS	UNCHANGED BILLS
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Metered:							
2	Residential	391,514	394,192	395,423	396,654	396,654	-	-
3	Commercial	22,264	22,460	22,598	22,737	22,733	4	-
4	Industrial	781	779	776	773	773	-	-
5	Public	1,254	1,256	1,256	1,256	1,256	-	-
6	Bulk Water	-	-	-	-	-	-	-
7	Private Fire Protection	5,197	5,301	5,403	5,504	5,504	-	-
8	Sales to Water Utilities	17	16	16	16	16	-	-
9	Total Metered Customers	421,027	424,004	425,472	426,940	426,936	4	-
10	Other:							
11	Unmetered	903	943	943	943	943	-	-
12	Availabillity Charge	2,801	2,769	-	-	-	2,769	-
13	Public Fire Protection	263	263	263	263	263	-	-
14	Private Fire Protection	766	779	779	779	779	-	-
15	Total Customers	425,760	428,758	427,457	428,925	428,921	2,773	-

Docket No. R-2018-3003561

Schedule A-2
Witness: William C. Packer

AQUA PENNSYLVANIA WASTEWATER, INC.

NUMBER OF CUSTOMERS SERVED

AND WHOSE BILLS WILL BE CHANGED

LINE NO.	CUSTOMER CLASS	SERVED AT 3/31/2017	SERVED AT 3/31/2018	TO BE SERVED AT 3/31/2019	TO BE SERVED AT 3/31/2020	INCREASED BILLS	DECREASED BILLS	UNCHANGED BILLS
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Residential	16,062	17,051	17,051	17,051	16,981	-	70
2	Commercial	1,324	1,469	1,469	1,469	1,427	42	-
3	Industrial	1	1	1	1	1	-	-
4	Public	38	40	40	40	40	-	-
5	Miscellaneous	-	-	-	-	-	-	-
6	Availabillity Charge	469	446	-	-	-	446	-
7	Total Customers	17,894	19,007	18,561	18,561	18,449	488	70

ADD	Limerick	Res	4,882
		Com	315
		Ind	-
ADD	East Bradford	Res	1,213
		Com	33
		Ind	2
ADD	Cheltenham	Res	9648
		Com	534
		Ind	14
		Pub	23
ADD	New Garden	Res	1916
		Com	190
ADD	East Norriton	Res/Com	4966
		Total Existing WW Customers	**42,297**

Wastewater Settlement Revenues => Exhibit 1(b) from 2018/2019 APWW Rate Case =>	**$ 17.920.976**
Add East Bradford WW	$ 1,082,402
Add Limerick WW	$ 4,771,000
Add Cheltenham WW	$ 7,321,878
Add New Garden	$ 2,620,039
Add East Norriton	$ 3,315,000
Add Proposed 2021 Rate Case/DSIC	$ 16,664,083
Total Existing WW Revenues	**$ 53,695,378**

Docket No. R-2018-3003558

Water Settlement Revenues => Exhibit 1(b) from 2018/2019 APWW Rate Case =>	**$ 473,763,919**
Residential	$ 307,623,471
Commercial	$ 111,880,600
Industrial Revenues	$ 16,482,317
Add Proposed Rates 2021 Rate Case/DSIC	$ 98,096,937
Total Existing Water Revenues (Res, Com, & Ind classes)	**$ 534,083,325**

AQUA PENNSYLVANIA, INC.

1-A/a) WATER AND 1-B/b) WASTEWATER REVENUE REQUIREMENT - SUMMARY

		Total Company	Water Operations	Wastewater Operations
Present Rate Revenue		$ 444.858.981	$ 431.415.676	$ 13.443.305
Additional Revenue Requirement		47,002,319	35,263,332	11,738,987
Act 11 Allocation	(1)	-	7,261,316	(7,261,316)
Proposed Revenues		$ 491,861,300	$ 473,940,324	$ 17,920,976
Rate Increase/(Decrease) - $		$ 47,002,319	$ 42,524,648	$ 4,477,671
Rate Increase/(Decrease) - %		10.57%	9.86%	33.31%

Notes:

(1) The allocation between wastewater operations and water operations is achieved by the proposed consolidation of water and wastewater revenue requirements to derive the water and wastewater rates proposed by the Company in this case.

Aqua Pennsylvania, Inc
Residential Average Monthly Bill Comparison - Wastewater
Docket Nos. A-2018-3004108, A-2018-3004109, R-2018-3003558 and R-2018-3003561

	Current Division	New Rate Zone	Avg Consumption	Present Rates	Settlement Rates	$ Change	% Change	Metered Number of Bills	Metered & Unmetered Number of Bills
1	Bridlewood Division	1	4,100	43.04	67.48	24.44	56.79%	3,908	3,908
2	CS Sewer Division (Masthope)	6	1,300	28.99	40.94	11.95	41.22%	15,517	15,578
3	Deerfield Knoll Division	3	3,000	57.87	71.50	13.63	23.55%	1,426	1,426
4	Eagle Rock Division	1	1,900	39.67	45.44	5.77	14.54%	11,704	11,716
5	East Bradford Division	5	5,400	106.43	125.84	19.41	18.24%	972	972
6	Laurel Lakes Division	3	4,200	51.49	81.70	30.21	58.67%	2,348	2,372
7	Links at Gettysburg Division	3	2,700	63.58	68.95	5.37	8.45%	2,046	2,046
8	Little Washington Division	5	3,400	98.05	106.64	8.59	8.76%	4,152	4,164
9	Media Division	1	4,200	42.19	62.92	20.73	49.13%	20,733	20,773
10	Newlin Green Division	5*	6,500	158.75	158.75	0.00	0.00%	588	588
11	Peddlers View Division	4	4,100	78.44	100.95	22.51	28.70%	2,564	2,564
12	Penn Township Division	1B	3,400	40.70	55.00	14.30	35.14%	3,148	3,148
13	Plumsock Division	5	5,300	107.12	124.88	17.76	16.58%	456	456
14	Rivercrest Division	2	3,200	45.22	61.92	16.70	36.93%	5,785	5,869
15	Stony Creek Division	3	2,500	54.86	67.25	12.39	22.58%	2,558	2,558
16	The Greens at Penn Oaks Division	5	3,500	106.38	107.60	1.22	1.15%	838	850
17	Thornhurst Division	3	2,600	52.36	68.10	15.74	30.06%	3,538	3,538
18	Treasure Lake Division	1A	3,000	40.52	49.90	9.38	23.15%	25,259	25,590
19	Twin Hills Division	4	4,200	70.15	101.90	31.75	45.26%	3,947	3,947
20	White Haven Division	2	2,900	47.07	59.49	12.42	26.39%	5,568	5,736
21	Willistown Woods Division	3	3,100	54.92	72.35	17.43	31.74%	8,888	8,888
22	Woodloch Springs Division	3	2,000	51.87	63.00	11.13	21.46%	4,907	4,987
23	Beech Mountain Lakes Division	3	Unmetered	56.04	80.00	23.96	42.76%		11,234
24	Bunker Hill Subdivision	1A	Unmetered	31.92	56.20	24.28	76.07%		790
25	Emlenton Borough Division	2	Unmetered	45.00	68.40	23.40	52.00%		4,416
26	Honeycroft Village Division	4	Unmetered	66.67	100.00	33.33	49.99%		1,250
27	Lake Harmony Division	4	Unmetered	65.63	100.00	34.37	52.37%		12,033
28	New Daleville Division	4	Unmetered	74.17	100.00	25.83	34.83%		1,272
29	Pinecrest Division	2	Unmetered	$44.28	$68.40	$24.12	54.48%		4,002
30	Tobyhanna Township Division	4	Unmetered	66.67	100.00	33.33	49.99%		6,453
31	Sage Hill	5*	Unmetered	180.00	180.00	0.00	0.00%		251
	WEIGHTED AVERAGE Metered		**3,018**		**62.09**				
	WEIGHTED AVERAGE ALL				**68.27**				
	WEIGHTED AVERAGE @ Proposed Rates 2021 RC				**98.99**				

5* - Special Charges have been assigned to these divisions within Rate Zone 5.
All Residential Customers are charged a customer charge on an EDU basis with the exception of the Media and Treasure Lake Divisions, which are charged a customer charge based on the appropriate meter size of the applicable Rate Zone. Media and Treasure Lake rates above represent a 5/8" meter.

Pinecrest Division's Present Rate is based on the weighted average of the present rates of all customers both inside Pinecrest and outside Pinecrest.

Bridlewood Division's Average Consumption and Present Rate are based on the weighted average of both townhome and single family home customers.

As per the Asset Purchase Agreement, the Tobyhanna Division rate increase will not become effective until January 1, 2020.

Aqua PennsylRania, Inc
Commercial Average Monthly Bill Comparison - Wastewater
Docket Nos. A-2018-3004108, A-2018-3004109, R-2018-3003558 and R-2018-3003561

	Current Division	New Rate Zone	Avg Consumption	Present Rates	Settlement Rates	$ Change	% Change	Number of Bills
1	CS Sewer Division (Masthope)	6	24,800	41.33	64.44	23.11	56%	96
2	Eagle Rock Division	1	11,700	52.02	124.92	72.90	140%	323
3	Links at Gettysburg Division	3	20,000	216.93	216.00	-0.93	0%	24
4	Media Division	1	15,700	111.87	150.32	38.45	34%	3,388
5	Penn Township Division	1B	88,800	873.10	955.50	82.40	9%	507
6	Rivercrest Division	2	12,200	92.66	134.82	42.16	45%	108
7	The Greens at Penn Oaks Division	5	78,400	798.26	1,122.64	324.38	41%	12
8	Tobyhanna Township Division	4	9,600	86.00	153.20	67.20	78%	1449
9	Treasure Lake Division	1A	31,700	153.53	230.71	77.18	50%	382
10	Village at Valley Forge Division	1A	144,500	1,054.42	1,220.35	165.93	16%	243
11	White Haven Division	2	5,700	50.60	82.17	31.57	62%	463
12	Willistown Woods Division	3	3,200	55.23	73.20	17.97	33%	1,428
13	Woodloch Springs Division	3	117,000	62.62	71.50	8.88	14%	98
14	Avon Grove School District	5*	Unmetered	6,625.00	8,281.25	1656.25	25%	
15	Beech Mountain Lakes Division	3	Unmetered	69.74	80.00	10.26	15%	
16	Bridlewood Division	1	Unmetered	38.42	61.40	22.98	60%	
17	Emlenton Borough Division	2	Unmetered	45.00	68.40	23.40	52%	
18	Honeycroft Rillage Division	4	Unmetered	466.69	700.00	233.31	50%	
19	Lake Harmony Division	4	Unmetered	65.63	100.00	34.37	52%	
20	Pinecrest Division	2	Unmetered	$52.32	$68.40	16.08	31%	
	WEIGHTED AVERAGE - METERED ONLY		**21,936**		**214.73**			
	WEIGHTED AVERAGE @ Proposed Rates 2021 RC				**311.36**			

5* - Special Charges have been assigned to these Divisions within Rate Zone 5.

All Residential Customers are charged a customer charge on an EDU basis with the exception of the Media and Treasure Lake Divisions, which are charged a customer charge based on the appropriate meter size of the applicable Rate Zone. Media and Treasure Lake rates above represent a 5/8" meter.

Bridlewood Division's Present Rate and Settlement Rate are based on the weighted average of the EDU rate charged to the 2 commercial customers.

Woodloch Springs Division's Present Rate and Settlement Rate are based on the customer charge per EDU.

As per the Asset Purchase Agreement, the Tobyhanna Division rate increase will not become effective until January 1, 2020.

Aqua Pennsylvania, Inc
Industrial Average Monthly Bill Comparison - Wastewater
Docket Nos. A-2018-3004108, A-2018-3004109, R-2018-3003558 and R-2018-3003561

	Current Division	New Rate Zone	Meter Size	Avg Consumption	Present Rates	Settlement Rates	$ Change	% Change
7	Media Division	1	5/8"	3,200	36.13	55.32	19.19	53%
	WEIGHTED AVERAGE @ Proposed Rates 2021 RC					**80.21**		

Aqua Pennsylvania, Inc
Residential Average Monthly Bill Comparison - Water
Docket Nos. A-2018-3004108, A-2018-3004109, R-2018-3003558 and R-2018-3003561

	Current Division	New Rate Zone	Present Rates*	Settlement Rates*	$ Change	% Change	Number of Bills	Consumption	Average Gallons
1	Main Division Eagle Rock, Fawn Lake, Tanglewood,	1	$59.85	$65.52	$5.67	9.47%	4,173,338	172,154,838	4,125
2	Thornhurst, Woodledge Village, Western & Pinecrest Divisions	3	59.85	65.52	5.67	9.47%	36,516	737,618	2,020
3	Bensalem Division	1	55.80	65.52	9.72	17.42%	179,147	7,534,487	4,206
4	Chalfont Division	2	47.27	65.52	18.25	38.61%	25,821	1,021,170	3,955
5	Oakland Beach/Lakeside Acres Division	3	57.04	65.52	8.48	14.87%	11,344	261,978	2,309
6	CS Water Division (Masthope)	3	49.36	65.52	16.16	32.74%	15,615	204,095	1,307
7	Country Club Gardens Division	1	40.29	52.98	12.69	31.50%	4,979	223,135	4,482
8	Clarendon Water Division	1	51.05	65.52	14.47	28.34%	3,407	109,345	3,210
9	Kratzerville Division	1	52.29	65.52	13.23	25.30%	1,727	58,671	3,398
10	Honesdale Division	1	52.20	65.52	13.32	25.52%	17,272	632,741	3,663
11	Sand Springs Division	1	40.73	52.98	12.25	30.08%	5,023	168,199	3,349
12	Mifflin Township Division	1	37.11	50.64	13.53	36.46%	5,606	176,827	3,154
13	Beech Mountain Lakes Division	1	21.45	31.73	10.28	47.93%	11,187	369,388	3,302
14	Treasure Lake Division	2	27.20	40.15	12.95	47.61%	25,311	765,777	3,026
15	Concord Park Division	2	30.88	43.91	13.03	42.20%	1,980	77,030	3,890
16	Bristol Township Water System Division	1	24.24	38.40	14.16	58.42%	5,089	226,795	4,457
17	Mt Jewett Borough Division	1	45.95	65.52	19.57	42.59%	4,832	155,007	3,208
18	Bunker Hill Subdivision	Bunker Hill	12.88	26.36	13.48	104.66%	779	31,897	4,097
19	Robin Hood Lakes Division	1	40.16	53.09	12.93	32.20%	2,397	67,756	2,826
20	East Cameron Division	1	57.02	65.52	8.50	14.91%	609	12,076	1,982
21	Sun Valley Division**	Sun Valley	15.00	19.50	4.50	30.00%			
22	Superior Water Company	2	57.02	65.52	8.50	14.91%	47,018	2,045,060	4,350
	WEIGHTED AVERAGE			**65.20**					**4,080**
	WEIGHTED AVERAGE @ Proposed Rates 2021 RC			**79.87**					

*Residential water rates are based on 5/8" meter and an average consumption of 4,080 gallons per month for all divisions.

**Sun Valley customers are flat rate, unmetered customers.

Aqua Pennsylvania, Inc
Commercial Average Monthly Bill Comparison - Water
Docket Nos. A-2018-3004108, A-2018-3004109, R-2018-3003558 and R-2018-3003561

	Current Division	New Rate Zone	Meter Size	Avg Consumption	Present Rates	Settlement Rates	$ Change	% Change	Number of Bills
1	Main Division Eagle Rock, Fawn Lake, Tanglewood, Thornhurst, Woodledge Village, Western	1	5/8"	37,800	$380.00	$419.63	$39.63	10.43%	236,233
2	& Pinecrest Divisions	3	5/8"	13,800	171.34	186.73	15.39	8.98%	665
3	Bensalem Division	1	5/8"	50,700	468.54	531.51	62.97	13.44%	15,289
4	Chalfont Division	2	5/8"	7,100	70.32	102.49	32.17	45.75%	1,678
5	Oakland Beach/Lakeside Acres Division	3	5/8"	5,500	84.39	93.45	9.06	10.74%	381
6	CS Water Division (Masthope)	3	5/8"	42,300	426.00	468.66	42.66	10.01%	57
7	Country Club Gardens Division	1	5/8"	33,900	271.22	333.27	62.05	22.88%	11
8	Clarendon Water Division	1	5/8"	9,900	93.91	135.81	41.90	44.62%	252
9	Kratzerville Division	1	5/8"	7,600	82.56	108.44	25.88	31.35%	23
10	Honesdale Division	1	5/8"	12,600	133.84	164.18	30.34	22.67%	3,789
11	Sand Springs Division	1	2"	40,800	309.80	523.34	213.54	68.93%	12
12	Mifflin Township Division	1	5/8"	19,600	112.70	174.80	62.10	55.10%	369
13	Beech Mountain Lakes Division	1	5/8"	23,000	51.34	95.40	44.06	85.82%	60
14	Treasure Lake Division	2	5/8"	30,800	121.26	185.24	63.98	52.76%	393
15	Concord Park Division	2	4"	487,300	2,226.92	3,381.86	1,154.94	51.86%	12
16	Bristol Township Water System Division	1	5/8"	14,800	116.15	146.76	30.61	26.35%	1,785
17	Mt Jewett Borough Division	1	5/8"	2,200	33.07	44.18	11.11	33.60%	444
20	East Cameron Division	1	3/4"	300	50.00	34.04	(15.96)	-31.92%	28
22	Superior Water Company	2	5/8"	8,400	99.18	117.96	18.78	18.94%	1,077
	WEIGHTED AVERAGE			**37,047**		**409.72**			
	WEIGHTED AVERAGE @ Proposed Rates 2021 RC					**501.91**			

Aqua Pennsylvania, Inc
Industrial Average Monthly Bill Comparison - Water
Docket Nos. A-2018-3004108, A-2018-3004109, R-2018-3003558 and R-2018-3003561

	Current Division	New Rate Zone	Meter Size	Avg Consumption	Present Rates	Settlement Rates	$ Change	% Change	Number of Bills
1	Main Division	1	5/8"	231,500	$1,897.56	$2,099.59	$202.03	10.65%	8,254
3	Bensalem Division	1	1"	53,500	523.48	590.30	66.82	12.76%	853
4	Chalfont Division	2	2"	37,000	358.73	484.19	125.46	34.97%	57
5	Oakland Beach/Lakeside Acres Division	3	5/8"	76,500	691.26	765.28	74.02	10.71%	12
10	Honesdale Division	1	5/8"	23,200	222.27	275.01	52.74	23.73%	72
17	Mt Jewett Borough Division	1	1"	600	22.11	59.64	37.53	169.74%	24
	WEIGHTED AVERAGE			**211,513**		**1,930**			
	WEIGHTED AVERAGE @ Proposed Rates 2021 RC					**2,364**			

VERIFICATION OF
WILLIAM C. PACKER

VERIFICATION

I, William C. Packer, Vice President, Regulatory Accounting & Regional Controller of Aqua Pennsylvania, Inc., hereby state that the facts set forth in the letters of Counsel of Aqua Pennsylvania Wastewater, Inc., dated August 25, 2021 and October 29, 2021, addressing information requests of the Bureau of Technical Utility Services in the matter at PaPUC Docket No. A-2021-3026132, are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

William C. Packer

William C. Packer
Vice President, Regulatory
Accounting & Regional Controller
Aqua Pennsylvania, Inc.

Dated: October 29, 2021

CERTIFICATE OF SERVICE

I hereby certify that I have this 29th day of October, 2021, served a true and correct copy of the foregoing Letter, Additional Information, Confidential Map, Confidential Excel File and Public Excel File, upon the persons and in the manner set forth below:

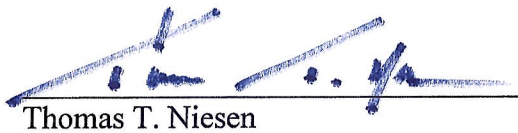
ELECTRONIC ACCESS VIA SHARE FILE

Sean Donnelly, P.E., Supervisor
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