
EXHIBIT D

ENGINEERING ASSESSMENT - ASSET INVENTORY

EAST WHITELAND TOWNSHIP SEWERAGE FACILITIES ENGINEERING ASSESSMENT AND ORIGINAL COST

*East Whiteland Township
Chester County, PA*

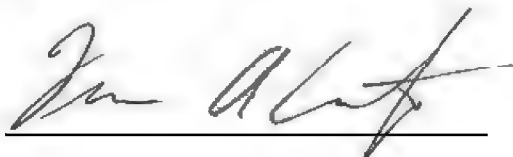
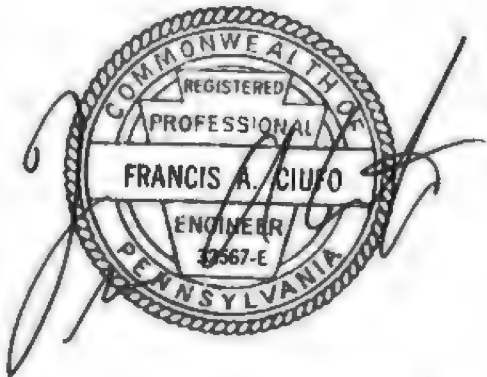
Prepared for:

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209 Conestoga Road
Frazer, PA 19355

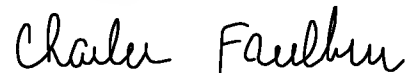
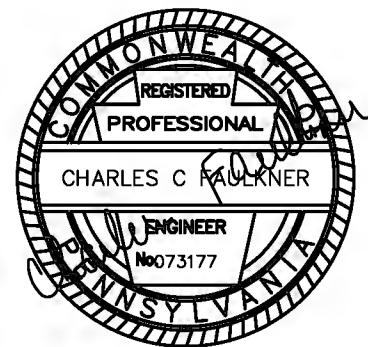
Aqua Pennsylvania Wastewater, Inc.
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Submitted By:

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Frank A. Ciuffo, PE
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Charles Faulkner, PE
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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

- (TO BE PROVIDED)

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. The Township does not have any property held for future use.

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 and Willistown 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		<u>PUMP(S)</u>		
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		<u>WET WELL</u>		
		Condition	good	
		Size	5' diam x 12 deep	
		Material		
		Lined		
		Hatch	24' MH cover	
		Vent		
		Rails		
		Cable		
		Piping		
371.3		<u>CONTROL PANEL</u>		
		Manufacturer	custom	
		Year Installed		
		Model/Serial number		
361		<u>INFLUENT PIPING (IF KNOWN)</u>		
		Material	ACP	
		Diameter	8"	
371		<u>GRINDER</u>		
		Manufacturer		
		Model/Serial number		
		HP		
		Year Installed		
371		<u>CRAIN/HOIST</u>		
		Manufacturer		
		Model/Serial number		
		Year Installed		
360		<u>VALVES (DISCHARGE)</u>		
		Type		
		Manufacturer		
		Size		
		#		
		Year Installed		
355		<u>GENERATOR</u>		
		Manufacturer	Generac SD00353G163	
		Generator KW	35	
		Generator KVA	44	
		Fuel Tank (Gals)	132	
355		ATS (manf/model #)	Cummins Power Command	
		Year Installed	2018	
360		<u>FORCE MAIN</u>		
		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	<u>BUILDING</u>				
	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				
	<u>ELECTRICAL</u>				
371.3	MCC	100 amp panel			
396	Alarm System (manf/ model)	Ademco - auto dial			COMMENTS
	Year Installed				
354.3	<u>HVAC</u>				
	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				
	<u>GROUND</u>				
354.3	Fence Length	136'			
	Fence Type	6' chain link w/ barb wire			
	Year Installed				
354.3	Paving and Walkways	asphalt drive			
371.3	<u>ODOR CONTROL</u>				
	Manufacturer				
	Type				
	<u>MISCELLANEOUS</u>				
	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

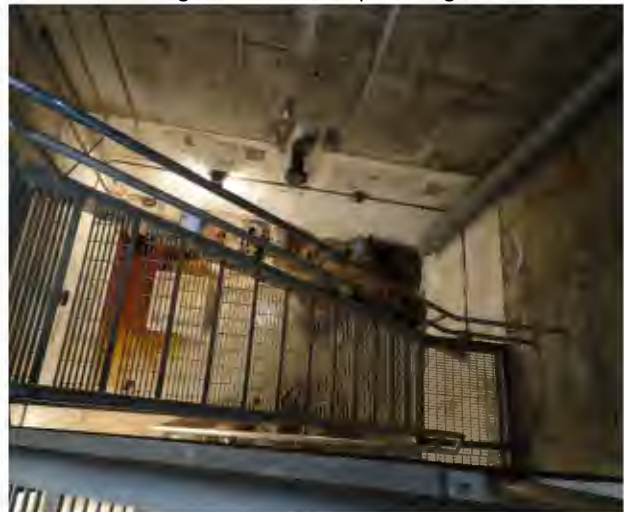


Figure 16- Old Pump Bldg. Pump Dry Pit

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		<u>PUMP(S)</u>		
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		<u>WET WELL</u>		
		Condition	Very Good	
		Size	9'x30'x31'Deep	
		Material	Concrete	
		Lined		
		Hatch	42"x42", 36"x36"	
		Vent		
		Rails		
		Cable		
		Piping	Ductile Iron	
371.3		<u>CONTROL PANEL</u>		
		Manufacturer	Healy-Ruff	
		Year Installed		
		Model/Serial number		
361		<u>INFLUENT PIPING (IF KNOWN)</u>		
		Material		
		Diameter		
371		<u>GRINDER</u>		
		Manufacturer	Bar Screen	
		Model/Serial number		
		HP		
		Year Installed		
371		<u>CRAN/HOIST</u>		
		Manufacturer	Shaw-Box	
		Model/Serial number	2-Ton	
		Year Installed	2013	
360		<u>VALVES (DISCHARGE)</u>		
		Type	Gate	Check
		Manufacturer	Milliken	Milliken
		Size	12"	12"
		#	6	3
		Year Installed	2013	2013
355		<u>GENERATOR</u>		
		Manufacturer	Onan DFEK-1207638	
		Generator KW	500	
		Generator KVA	625	
		Fuel Tank (Gals)	850	
355		ATS (manf/model #)	ASCO 7000	
		Year Installed	2013	
360		<u>FORCE MAIN</u>		
		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	<u>BUILDING</u>				
	Condition	Very Good			
	Size	32' x 22'			
	Main Structure Material	Masonry Block			
	Roof Type	Asphalt Shingle			
	Roof Condition	Good			
	Doors (number /material)	2 - Steel			
	Lighting (Type)				
	Year Installed				
	<u>ELECTRICAL</u>				
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	<u>HVAC</u>				
	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				
	<u>GROUND</u>				
354.3	Fence Length	600'			
	Fence Type	6' cyclone w/ barbed wire			
	Year Installed				
354.3	Paving and Walkways				
371.3	<u>ODOR CONTROL</u>				
	Manufacturer	N/A			
	Type				
	<u>MISCELLANEOUS</u>				
	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		<u>PUMP(S)</u>				
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		<u>WET WELL</u>				
		Condition				
		Size	2 dia. X appr. 18' Deep			
		Material	precast concrete			
		Lined				
		Hatch	6' x 4.5 '			
		Vent				
		Rails				
		Cable				
		Piping				
371.3		<u>CONTROL PANEL</u>				
		Manufacturer	Stacon			
		Year Installed	2017			
		Model/Serial number				
361		<u>INFLUENT PIPING (IF KNOWN)</u>				
		Material				
		Diameter				
371		<u>GRINDER</u>				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		<u>CRAIN/HOIST</u>				
		Manufacturer	Davit Crane			
		Model/Serial number				
		Year Installed				
360		<u>VALVES (DISCHARGE)</u>				
		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		<u>GENERATOR</u>				
		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		<u>FORCE MAIN</u>				
		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	<u>BUILDING</u>					
	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					
	<u>ELECTRICAL</u>					
371.3	MCC	Amp Panel, 200 Amp Main				
396	Alarm System (manf/ model)	Sensaphone Sentinal				COMMENTS
	Year Installed					
354.3	<u>HVAC</u>					
	Condition					
	Type	4' x 4' motorize louvers	Electric unit heaters	2' x 2' exhaust fan		
	Manufacturer		Q-Mark			
	Year Installed					
364	Flow Meter					
364	Chart Recorder					
354.3	Hydrants					
	<u>GROUND</u>					
354.3	Fence Length					
	Fence Type					
	Year Installed					
354.3	Paving and Walkways					
371.3	<u>ODOR CONTROL</u>					
	Manufacturer					
	Type					
	<u>MISCELLANEOUS</u>					
	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		<u>PUMP(S)</u>			
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		<u>WET WELL</u>			
		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		<u>CONTROL PANEL</u>			
		Manufacturer	Flygt		
		Year Installed			
		Model/Serial number			
361		<u>INFLUENT PIPING (IF KNOWN)</u>			
		Material			
		Diameter			
371		<u>GRINDER</u>			
		Manufacturer	N/A		
		Model/Serial number			
		HP			
		Year Installed			
371		<u>CRAIN/HOIST</u>			
		Manufacturer	N/A		
		Model/Serial number			
		Year Installed			
360		<u>VALVES (DISCHARGE)</u>			
		Type	Check	Gate	Meter pit - 7' diam, 6' deep
		Manufacturer	Mueller	Mueller	4' x 4' hatch
		Size	6"	6"	
		#	2	2	
		Year Installed			
355		<u>GENERATOR</u>			
		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		<u>FORCE MAIN</u>			
		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				
	GROUPDS				
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		<u>PUMP(S)</u>		
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		<u>WET WELL</u>		
		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		<u>CONTROL PANEL</u>		
		Manufacturer	custom	
		Year Installed	1980	
		Model/Serial number		
361		<u>INFLUENT PIPING (IF KNOWN)</u>		
		Material		
		Diameter		
371		<u>GRINDER</u>	N/A	
		Manufacturer		
		Model/Serial number		
		HP		
		Year Installed		
371		<u>CRAIN/HOIST</u>	N/A	
		Manufacturer		
		Model/Serial number		
		Year Installed		
360		<u>VALVES (DISCHARGE)</u>		
		Type	check	Plug
		Manufacturer		pre-cast valve chamber
		Size	4"	4"
		#	2	2
		Year Installed		
355		<u>GENERATOR</u>	N/A	
		Manufacturer		
		Generator KW		
		Generator KVA		
		Fuel Tank (Gals)		
355		ATS (manf/model #)		
		Year Installed		
360		<u>FORCE MAIN</u>		
		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				
	GROUND				
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		<u>PUMP(S)</u>				
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		<u>WET WELL</u>				
		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		<u>CONTROL PANEL</u>				
		Manufacturer	Flygt			
		Year Installed	2002			
		Model/Serial number				
361		<u>INFLUENT PIPING (IF KNOWN)</u>				
		Material				
		Diameter				
371		<u>GRINDER</u>	N/A			
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		<u>CRAIN/HOIST</u>	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		<u>VALVES (DISCHARGE)</u>				
		Type	check	gate		4' x 4' concrete valve chamber
		Manufacturer				
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		<u>GENERATOR</u>	N/A			
		Manufacturer				
		Generator KW				
		Generator KVA				
		Fuel Tank (Gals)				
355		ATS (manf/model #)				
		Year Installed				
360		<u>FORCE MAIN</u>				
		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		<u>PUMP(S)</u>				
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		<u>WET WELL</u>				
		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		<u>CONTROL PANEL</u>				
		Manufacturer	Flygt			
		Year Installed	2006			upgraded
		Model/Serial number				
361		<u>INFLUENT PIPING (IF KNOWN)</u>				
		Material				
		Diameter				
371		<u>GRINDER</u>	N/A			
		Manufacturer				
		Model/Serial number				
		HP				
		Year Installed				
371		<u>CRAIN/HOIST</u>	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		<u>VALVES (DISCHARGE)</u>				
		Type	check	gate		
		Manufacturer				
		Size	4"	4"		
		#	2	2		
		Year Installed				
355		<u>GENERATOR</u>				
		Manufacturer	Onan DGDA-3384553			
		Generator KW	80			
		Generator KVA	100			
		Fuel Tank (Gals)				
355		ATS (manf/model #)	ASCO 300			
		Year Installed	2000			
360		<u>FORCE MAIN</u>				
		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				
	GROUND				
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

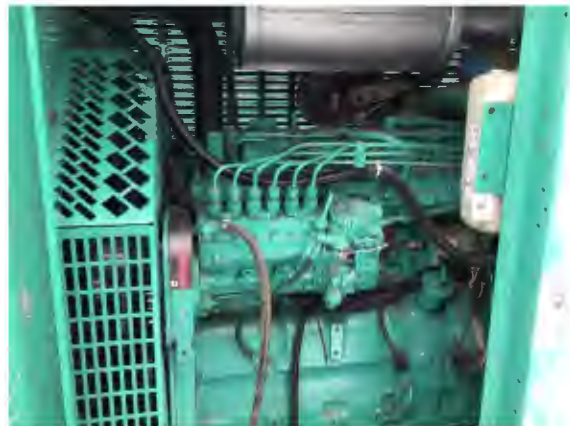


Figure 8 –Generator

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		<u>PUMP(S)</u>				
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		<u>WET WELL</u>				
		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		<u>CONTROL PANEL</u>				
		Manufacturer	Flygt			
		Year Installed	2000			
		Model/Serial number				
361		<u>INFLUENT PIPING (IF KNOWN)</u>				
		Material	PVC			
		Diameter				
371		<u>GRINDER</u>				
		Manufacturer	N/A			
		Model/Serial number				
		HP				
		Year Installed				
371		<u>CRAIN/HOIST</u>	N/A			
		Manufacturer				
		Model/Serial number				
		Year Installed				
360		<u>VALVES (DISCHARGE)</u>				
		Type	check	gate		8' diam concrete chamber
		Manufacturer				
		Size	6"	6"		
		#	2	2		
		Year Installed	2000	2000		
355		<u>GENERATOR</u>				
		Manufacturer	Onan DGEA			
		Generator KW	125			
		Generator KVA	156			
		Fuel Tank (Gals)				
355		ATS (manf/model #)	Onan			
		Year Installed	2000			
360		<u>FORCE MAIN</u>				
		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		<u>BUILDING</u>			
		Condition	good		3-sided shed
		Size			
		Main Structure Material	wood		
		Roof Type	asphalt shingle		
		Roof Condition			
		Doors (number /material)			
		Lighting (Type)			
		Year Installed			
		<u>ELECTRICAL</u>			
371.3		MCC	250 Amp Panel		
396		Alarm System (manf/ model)			
		Year Installed			
354.3		<u>HVAC</u>	N/A		
		Condition			
		Type			
		Manufacturer			
		Year Installed			
364		Flow Meter			
364		Chart Recorder			
354.3		Hydrants			
		<u>GROUND</u>			
354.3		Fence Length	150'		
		Fence Type	chain link with barb wire		
		Year Installed			
354.3		Paving and Walkways	asphalt drive, stone		
371.3		<u>ODOR CONTROL</u>	N/A		
		Manufacturer			
		Type			
		<u>MISCELLANEOUS</u>			
		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		<u>PUMP(S)</u>		
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		<u>WET WELL</u>		
		Condition	good	
		Size	8' diam x 25' deep	
		Material	precast concrete	
		Lined		
		Hatch	3' x 5' alum	
		Vent		
		Rails		
		Cable		
		Piping	DIP	
371.3		<u>CONTROL PANEL</u>		
		Manufacturer	Flygt	
		Year Installed	2000	
		Model/Serial number		
361		<u>INFLUENT PIPING (IF KNOWN)</u>		
		Material		
		Diameter		
371		<u>GRINDER</u>		
		Manufacturer	N/A	
		Model/Serial number		
		HP		
		Year Installed		
371		<u>CRAIN/HOIST</u>	N/A	
		Manufacturer		
		Model/Serial number		
		Year Installed		
360		<u>VALVES (DISCHARGE)</u>		
		Type	check	gate
		Manufacturer	Clow	Clow
		Size	4"	4"
		#	2	2
		Year Installed		
355		<u>GENERATOR</u>		
		Manufacturer	Onan DGCA-5007330GS	
		Generator KW	50	
		Generator KVA	62	
		Fuel Tank (Gals)		
355		ATS (manf/model #)	Cummins	
		Year Installed		
360		<u>FORCE MAIN</u>		
		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				
	GROUND				
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		<u>PUMP(S)</u>			
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		<u>WET WELL</u>			
		Condition	good		
		Size	7' diam. X 15' est		
		Material	precast concrete		
		Lined			
		Hatch	4' x 4.5 ' aluminum		
		Vent			
		Rails			
		Cable			
		Piping			
371.3		<u>CONTROL PANEL</u>			
		Manufacturer	Flygt		
		Year Installed			
		Model/Serial number			
361		<u>INFLUENT PIPING (IF KNOWN)</u>			
		Material			
		Diameter			
371		<u>GRINDER</u>			
		Manufacturer	N/A		
		Model/Serial number			
		HP			
		Year Installed			
371		<u>CRAIN/HOIST</u>			
		Manufacturer	N/A		
		Model/Serial number			
		Year Installed			
360		<u>VALVES (DISCHARGE)</u>			
		Type	check	gate	Crispen air release valve
		Manufacturer			
		Size	4"	4"	
		#	2	2	
		Year Installed			
355		<u>GENERATOR</u>			
		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		<u>FORCE MAIN</u>			
		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				
	GROUPS				
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 fuel tank and LMI Dosing pump. The system is not currently in 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		<u>PUMP(S)</u>		
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		<u>WET WELL</u>		
		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		<u>CONTROL PANEL</u>		
		Manufacturer	Flygt	
		Year Installed		
		Model/Serial number		
361		<u>INFLUENT PIPING (IF KNOWN)</u>		
		Material		
		Diameter		
371		<u>GRINDER</u>		
		Manufacturer	Muffin Monster	new grinder on order
		Model/Serial number		
		HP	3	
		Year Installed	2021	
371		<u>CRAIN/HOIST</u>		
		Manufacturer	Davit Crane	
		Model/Serial number		
		Year Installed		
360		<u>VALVES (DISCHARGE)</u>		
		Type	Check	Gate
		Manufacturer	Clow	Clow
		Size	6"	6"
		#	2	2
		Year Installed		
355		<u>GENERATOR</u>		
		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		<u>FORCE MAIN</u>		
		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				System abandoned
	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		<u>PUMP(S)</u>			
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		<u>WET WELL</u>			
		Condition	Very Good		
		Size	9' dia. X 18' Deep		
		Material	Precast Concrete		
		Lined			
		Hatch	6' x 6' aluminum		
		Vent			
		Rails			
		Cable			
		Piping			
371.3		<u>CONTROL PANEL</u>			
		Manufacturer	Flygt/Stacon		
		Year Installed			
		Model/Serial number			
361		<u>INFLUENT PIPING (IF KNOWN)</u>			
		Material			
		Diameter			
371		<u>GRINDER</u>			
		Manufacturer			
		Model/Serial number			
		HP			
		Year Installed			
371		<u>CRAIN/HOIST</u>			
		Manufacturer	Thern Davit crane		
		Model/Serial number			
		Year Installed			
360		<u>VALVES (DISCHARGE)</u>			
		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		<u>GENERATOR</u>			
		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		<u>FORCE MAIN</u>			
		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	2" x 12" exhaust fan	
	Manufacturer			Qmark	
	Year Installed				
364	Flow Meter	E&H magmeter			
364	Chart Recorder	Seimens Totalizer			
354.3	Hydrants	1 - yard			
	GROUPDS				
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”.

6. REGULATORY REQUIREMENTS



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): East Whiteland Township 209 Conestoga Road Frazer, PA 19355		CLIENT ID#: 78789	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: _____ Design Capacity: _____ GPM		Manure Storage: Volume: _____ MG Freeboard: _____ inches		Sewage Treatment Facility: Annual Average Flow: <u>0.105</u> MGD Design Hydraulic Capacity: <u>0.128</u> MGD Design Organic Capacity: <u>222</u> 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 <u>5/23/2016</u> , 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 <u>1 through XVII</u> 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: Jenifer L. Fields, P.E. TITLE: Clean Water Program Manager Southeast Regional Office		

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:

Parameter	Discharge Limitations (mg/l)			Monitoring Requirements	
	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

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ACCOUNTS FOR: 08 Sewer Fund	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<u>08341 Interest</u>							
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%
<u>08364 Sewer Dept. Earning</u>							
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%
<u>08380 Miscellaneous Revenue</u>							
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%
<u>08429 Sewer Dept. Expenses</u>							
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 (0	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%

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ACCOUNTS 08	FOR: 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%

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ACCOUNTS 08	FOR: 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 JUNE 17, 2021**

ACCOUNT	DESCRIPTION	ORIGINAL COST (\$)
353.2	LAND AND LAND RIGHTS - COLLECTION	\$ 668.00
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	\$ 8,005,275.38
360.21	COLLECTION SEWERS - FORCE - MAINS	\$ 2,304,354.55
361.21	COLLECTION SEWERS - GRAVITY - MAINS	\$ 10,767,737.96
361.23	COLLECTION SEWERS - GRAVITY - MANHOLES	\$ 4,350,867.01
363.2	SERVICES TO CUSTOMERS	\$ 6,619,976.03
365.2	FLOW MEASURING INSTALLATIONS	\$ 78,670.00
390.7	COMPUTER AND SOFTWARE	\$ 21,550.00
391.7	TRANSPORTATION EQUIPMENT	\$ 212,955.81
	SYSTEM TOTAL	\$ 43,447,309.24

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
353.20	<u>LAND AND LAND RIGHTS - COLLECTION</u>						
	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 - Gravity Line & Lagoon, DB: 7234/1972			Easement - Yes	\$	1.00
	MALVERN HUNT DRAINAGE AREA (MAL)	(MAL 16) UPI: 42-3-47 - Gravity Line & Spray Field, DB: 7234/1978			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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 16) UPI: 42-4-132.2 - Gravity Line, MB: 199/73 1972-00522			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 40) UPI: 42-4-316 - Gravity Line, MB: 284/165 1975-00631			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 64) UPI: 42-4-100 - Gravity Line, MB: 983/401 MB: 284/306			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 88) UPI: 42-4-321.2 - Gravity Line, MB: 197/888			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 112) UPI: 42-4-321 - Gravity Line, MB: 284/340 1975-00680			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	(MR 136) UPI: 42-4-53.15 - Gravity Line, DB: 2603/380 Plan No. 8837			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	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
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MATTHEWS ROAD DRAINAGE AREA (MR)	Warren Avenue - Gravity Line,			ROW - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 12) UPI: 42-4K-122 - Force Main, DB: S52/265			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 38) UPI: 42-4-65.6 - Gravity Line, PB: 63/14			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 63) UPI: 42-3-123.15 - Gravity Line, DB: 9598/2270			Easement - Yes	\$	1.00
	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

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
	MILL LANE DRAINAGE AREA (ML)	(ML 94) UPI: 42-3-226 - Gravity Line, DB: 1357/467 1988-08895			Easement - Yes	\$	1.00
	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
	PLANE BROOK DRAINAGE AREA (PB)	(PB 2) UPI: 42-3-165 - Gravity Line & Force Main, DB: 9579/478			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 3) UPI: 42-3-149.1 - Gravity Line & Force Main, DB: 1358/17 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 4) UPI: 42-3R-11.1 - Gravity Line & Force Main, DB: 1357/564 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 5) UPI: 42-3R-12 - Gravity Line & Force Main, DB: 1357/568 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 6) UPI: 42-3R-13 - Gravity Line & Force Main, DB: 1357/572 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 7) UPI: 42-3-179 - Gravity Line & Force Main, DB: 1357/576 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 8) UPI: 42-3-180 - Gravity Line & Force Main, DB: 1678/190 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 9) UPI: 42-3Q-19 - Gravity Line & Force Main, DB: 1357/584 1988/08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 10) UPI: 42-3Q-18 - Gravity Line & Force Main, DB: 1357/588 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 11) UPI: 42-3Q-9 - Gravity Line & Force Main, DB: 1357/592 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 12) UPI: 42-3-182 - Gravity Line & Force Main, DB: 1358/1 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 13) UPI: 42-3-181 - Gravity Line & Force Main, DB: 1357/592 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 14) UPI: 42-3-183 - Gravity Line & Force Main, DB: 1358/5 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK 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
	PLANE BROOK DRAINAGE AREA (PB)	(PB 16) UPI: 42-3-185.1 - Gravity Line & Force Main, DB: 1358/13 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 17) UPI: 42-3-185 - Gravity Line & Force Main, DB: 1358/17 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 18) UPI: 42-3-145 - Gravity Line, DB: 1358/126 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 19) UPI: 42-6-10.1 - Gravity Line, DB: 1358/26 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 20) UPI: 42-6-10 - Gravity Line, DB: 1358/30 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 22) UPI: 42-3-228 - Gravity Line, DB: 1358/82 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 23) UPI: 42-6-23.1 - Gravity Line, DB: 1358/86 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 24) UPI: 42-6-23.4 - Gravity Line, DB: 1358/94 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 25) UPI: 42-6-23.4A - Gravity Line, DB: 1358/94 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 26) UPI: 42-6-24.2 - Gravity Line, DB: 1358/54 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 27) UPI: 42-6-21 - Gravity Line, DB: 1358/114 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 28) UPI: 42-6-23 - Gravity Line, DB: 1358/90 DB: 1379/275			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 29) UPI: 42-6-23.3 - Gravity Line, DB: 1358/98 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 30) UPI: 42-6-23.2D - Gravity Line, DB: 1358/102 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 31) UPI: 42-6-23.2 - Gravity Line, DB: 1358/122 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 32) UPI: 42-6-23.2C - Gravity Line, DB: 1358/106 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 33) UPI: 42-6-23.2B - Gravity Line, DB: 1358/110 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 34) UPI: 42-6-23.2A - Gravity Line, DB: 1358/118 1988-08895			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 36) UPI: 42-6-246 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 37) UPI: 42-6-222 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 38) UPI: 42-6-223 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 39) UPI: 42-6-224 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 40) UPI: 42-6-225 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK 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
	PLANE BROOK DRAINAGE AREA (PB)	(PB 42) UPI: 42-6-227 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 43) UPI: 42-6-228 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 44) UPI: 42-6-229 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 45) UPI: 42-6-230 - Gravity Line, DB: 5406/689			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	(PB 46) UPI: 42-6G-16-E - Gravity Line, DB: Y58/519			Easement - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	Whitewoods Lane - Gravity Line, DB: 5406/689			ROW - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	Glenloch Way - Gravity Line, DB: Y58/531			ROW - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	Ravine Road - Gravity Line, DB: Y58/531			ROW - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	Ravine Road Railroad Crossing - Gravity Line,			ROW - No	\$	-
	PLANE BROOK DRAINAGE AREA (PB)	King Road - Gravity Line, DB: Y58/531			ROW - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	South Phoenixville Pike - Gravity Line,			ROW - Yes	\$	1.00
	PLANE BROOK DRAINAGE AREA (PB)	Lancaster Avenue - Gravity Line,			ROW - Yes	\$	1.00
	PLANE BROOK 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
						\$	668.00

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	<u>LAND AND LAND RIGHTS - PUMPING</u>						
	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
	PLANE BROOK 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	<u>STRUCTURES AND IMPROVEMENTS - COLLECTION PLANT</u>						
		Sewer - Capacity 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 - Reconstruction, 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
		SEWER JET (DIESEL) - TRAILER MOUNTED	2009	Township Records		\$	53,907.50
		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					\$	8,005,275.38
360.21	<u>COLLECTION SEWERS - FORCE - MAINS</u>						
	(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	<u>COLLECTION SEWERS - GRAVITY - MAINS</u>						
		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		1,725	\$ 23,205.13
		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	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
		8" PVC	1984	Quantities from GIS, unit pricing from estimate		3,842	\$ 122,229.73

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		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
		8" DIP	1954	Quantities from GIS, unit pricing from estimate		862	\$ 4,154.49

ACCOUNT	LOCATION	ASSET 8" DIP	YEAR 1975	SOURCE Quantities from GIS, unit pricing from estimate	COMMENTS	QUANTITY 274	ORIGINAL COST \$ 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						302,772	\$ 10,767,737.96
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	
		Manholes	1972	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		5	\$ 5,589.66	

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		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		2	\$ 4,128.63
		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
		Manholes	2004	Quantities from GIS, unit pricing from Exhibit No. 4, Appendix D		15	\$ 68,061.20

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST	
		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					1,506	\$ 4,350,867.01
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	
		4" PVC	1999	Quantities from Exhibit No. 5, Appendix D, unit pricing from estimate		1,592	\$ 81,005.82	

ACCOUNT	LOCATION	ASSET	YEAR	SOURCE	COMMENTS	QUANTITY	ORIGINAL COST
		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	<u>FLOW MEASURING INSTALLATIONS</u> 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
390.70	<u>COMPUTER AND SOFTWARE</u>	PIPE TECH SOFTWARE AND DURABOOK LAPTOP	2008	Township Records			\$ 21,550.00
		TOTAL COMPUTER AND SOFTWARE					\$ 21,550.00
391.70	<u>TRANSPORTATION EQUIPMENT</u>	2001 FORD E350 TRUCK	2001	Township Records			\$ 39,952.00
		2003 GMC PICKUP TRUCK	2003	Township Records			\$ 25,808.00
		2018 Carmate 20' Custom Cargo Trailer	2018	Township Records			\$ 7,264.50
		2010 FORD F550 TRUCK	2010	Township Records			\$ 62,722.85
		2011 GMC PICKUP TRUCK	2011	Township Records			\$ 23,738.01
		2011 GMC PICKUP TRUCK	2011	Township Records			\$ 20,470.45
		2019 Ford F-150 Unit	2019	Township Records			\$ 33,000.00
		TOTAL TRANSPORTATION EQUIPMENT					\$ 212,955.81
	SYSTEM TOTAL						\$ 43,447,309.24

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

	<u>.1</u>	<u>.2</u>
	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

<u>.3</u>	<u>.4</u>	<u>.5</u>	<u>.6</u>	<u>.7</u>
System Pumping Plant	Treatment and Disposal Plant	Reclaimed Water Treatment Plant	Reclaimed Water Distribution Plant	General Plant
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXXXX	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.

WASTEWATER UTILITY PLANT ACCOUNTS

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

WASTEWATER UTILITY PLANT ACCOUNTS

- 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.

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

- 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

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

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

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

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.

WASTEWATER UTILITY PLANT ACCOUNTS

395. Power Operated Equipment

This account shall include the cost of power operated equipment used in construction or 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.

WASTEWATER UTILITY PLANT ACCOUNTS

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

- **(TO BE PROVIDED)**

APPENDIX D

SUPPORTING DOCUMENTS

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

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

<u>Pump Station</u>		<u>Year Placed in Service</u>	<u>Original Cost</u>	<u>Cost Index</u>		<u>2005 Replacement Cost</u>	<u>Cost Index Current</u>	<u>Trended Current Replacement Cost</u>
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

<u>Pump Station</u>		<u>Year Placed in Service</u>	<u>Original Cost</u>	<u>Cost Index</u>		<u>2005 Replacement Cost</u>	<u>Cost Index Current</u>	<u>Trended Current Replacement Cost</u>
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

<u>Description</u>	<u>Year Placed in Service</u>	<u>Original Cost</u>	<u>Cost Index Original</u>	<u>Cost Index Current</u>	<u>Trended Current Replacement Cost</u>
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
		<u>\$5,230,322</u>			<u>\$6,234,097</u>

<u>Associated Retirements</u>	<u>Year Placed in Service</u>	<u>Original Cost</u>	<u>Cost Index Original</u>	<u>Cost Index Current</u>	<u>Trended Current Replacement Cost</u>
Deer Run PS Generator	1975	\$(10,619)	2212	11184	\$(53,692)
		<u>\$(10,619)</u>			<u>\$(53,692)</u>

Net Total	\$6,588,338				\$9,478,375
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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		Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
					Original	Nov. 2005			
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		Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
							Original	Nov. 2005			
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		Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
							Original	Nov. 2005			
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	Cost Index		Cost Index Current	Trended Current Replacement Cost
		Original Cost	Original		
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
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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	Cost Index		Trended	Cost Index	Trended Current
						Replacement Cost	Original	Nov. 2005	Original Cost	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	Cost Index		Trended	Cost Index	Trended Current
						Replacement Cost	Original	Nov. 2005	Original Cost	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

<u>Description</u>	<u>Year Placed in Service</u>	<u>Original Cost</u>	<u>Cost Index Original</u>	<u>Cost Index Current</u>	<u>Trended Current Replacement Cost</u>
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
		<u>\$2,196,960</u>			<u>\$2,474,317</u>

<u>Associated Retirements</u>	<u>Year Placed in Service</u>	<u>Original Cost</u>	<u>Cost Index Original</u>	<u>Cost Index Current</u>	<u>Trended Current Replacement Cost</u>
Wilburdale FM and Flat Rd. Gravity	1970	\$(71,266)	1381	11184	\$(577,135)
		<u>\$(71,266)</u>			<u>\$(577,135)</u>

Net Total	\$22,279,348		\$11,508,858	\$31,437,685
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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 Index		Trended Original Cost	Cost Index Current	Trended Current Replacement Cost
					Cost		Original	Nov. 2005			
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.