

**PRA RESOLUTION NO. 2016-01
ESTABLISHING RULES, REGULATIONS AND RATES
FOR WATER AND SEWER SERVICE**

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RULES, REGULATIONS AND RATES

SECTION I - WATER SERVICE

1.0 ADMINISTRATIVE AND GENERAL

1.01 Application for Water Service

1. Applications for water service shall be made at the Authority office by either the property owner or their designated representative. The application shall be made in a manner specified by the Authority.
2. Upon proper application and payment of the permit fees and deposits specified in Section III of these regulations, a connection permit shall be issued by the Authority.
3. A separate permit shall be required for each water service provided. A separate water service shall be defined as a water service intended to service a single premise or individual units within a premise for which separate meters are provided. The fee schedule in Section III hereof shall apply to each permit issued.

1.02 Rates and Fees

The Authority Board shall establish and from time to time may modify, change, or amend the rates and fees for water service. Such rates and fees shall include:

- a. Connection Fee to cover the cost of installation of a standard 3/4 inch water service (5/8 inch meter). Larger size services shall be subject to an extra charge to cover the actual cost of materials and installation.
- b. A flat rate fee payable at the time of permit application for water used during the construction of the proposed customer's facilities.
- c. A comprehensive quarterly rate schedule for water service based on water sales (metered and unmetered) and designed to provide revenue sufficient to meet:
 - operating expenses
 - capital additions and improvements to the water system
 - debt service requirement

- d. A charge for removal and testing of water meters at the request of the customer.
- e. Charges for miscellaneous services and repair of damage caused by others.
- f. Other fees or charges that may from time to time be established by resolution of the Board.

1.03 Owner Responsibility

It shall be the responsibility of the owner or contractor to advise the Authority within five (5) days of the occupancy of any newly constructed building or any building renovated to increase or decrease the number dwelling units or commercial establishments. Failure to do so will be grounds for discontinuance of service.

1.1 SERVICE LINE AND METER SETTING

1.11 Water Service Line

- 1. The water service line shall be a minimum of three quarter inch (3/4") connected to the corporation stop at the water main and extending to a curb stop set at the curb line, or in the absence of a curb, at the edge of the paved surface or public right of way (see Construction Details).
- 2. It shall be the responsibility of the property owner to connect to the property side of the curb stop and extend the line to the building. At a location near where the service line enters the building, the owner shall provide a location for a meter to be supplied by the Authority. **The location shall be kept convenient and accessible for reading, maintenance.** Valves shall be installed immediately before and after the meter. It shall be the responsibility of the property owner to assure that the curb stop is kept at grade and exposed so that Authority personnel have access to the curb stop at all times.

3. Private Fire Protection: Where service to a residential unit is required, the minimum service line will be determined by the customer's engineer or fire system provider.
4. Where private fire protection is required both domestic and fire service shall be provided through a single service line into the building. Domestic service will then be segregated inside of the building with appropriate backflow devices installed on the fire service.

1.12 Location of Service Line

The applicant may designate at what point along the curb abutting his property the service line shall be placed contingent upon the approval of the Authority. In special cases, however, the Authority shall reserve the right to designate the service line location. Only in extreme instances will service connections be allowed in right of ways. All curb stops must be accessible from public streets or alleys.

1.13 Service Line Material

The applicant's service line may be soft copper tubing type "K", pressure rated for 160 PSI working pressure or copper tubing size plastic (ASTM D2737) with magnetic tape one (1) foot above the service for the length of the trench.

1.14 Separate Trenches for Water and Sewer Lines

Under normal conditions, water service and building sewer lines shall be placed in separate trenches, at least ten feet (10') apart horizontally and separated by undisturbed or compacted earth. Under certain conditions this distance may be reduced, but only upon prior approval by the Authority. This condition may be waived for existing services being replaced or for existing homes connecting to the system.

1.15 Placement and Installation of Service Lines

Under extreme conditions where it is impossible or cost prohibitive to dig separate trenches, the water and sewer lines may be placed in the same trench, provided all the following conditions are complied with and the Authority has given prior approval to such installation.

- a. The bottom of the water service pipe at all points shall be at least eighteen inches (18") above the top of the sewer line at its highest point.
- b. The water line shall be placed on a solid shelf excavated at one side of the common trench.
- c. The materials and joints of sewer and water service shall be installed in such a manner and shall possess the necessary strength and durability to prevent the escape of solids, liquids and gasses there from and/or under all known adverse conditions such as corrosion, strains due to temperature changes, settlement, vibrations and superimposed loads.

There shall be no soldered connections before the water meter.

Only compression fittings are permitted.

- d. Service lines shall be run from the curb stop to the point of entrance to the building in as straight a line as possible.

1.16 Service Connections

- 1. Under normal conditions, Authority personnel will make all service connections from the water main to the curb. In certain circumstances or under special conditions, the Authority may permit others to perform all or part of this work. In either event, all lines and appurtenances in the street between the water main and the curb stop shall become the property and responsibility of the Authority.

2. Inspection and testing of the facilities shall be required in accordance with the following schedule:
 - a. Before installation of the water line in the trench, a 6 inch bed of screenings shall be placed under the line. The line shall than be tested at system pressure to assure there is no leakage.
 - b. Cover shall be free of all sizable materials with a minimum of 12 inches of screenings placed on top of the service. Damage to, or displacement of the service line must be avoided.
 - c. Inspection will be complete when installation of the line is approved, there is no leakage, and proper fill and cover has been witnessed.

1.17 Inactive Water Service

1. A water service will not be considered inactive and exempt from charges unless the building has been removed and the property is returned to vacant land. It shall be the responsibility of the property owner to notify the Authority of such an occurrence. The Authority reserves the right to require the property owner to plug the service at the curb stop at the owners sole cost. Prior to any reactivation of service, the property owner shall pay a reactivation fee equal to the base service charge over the period the service was inactive, for the equivalent existing tap size, or a new tapping fee (as set forth in Section IV hereof), whichever is less.
2. The full base rate charge will be imposed for any billing period during which the service is active at any time, even though such service may not be active for the entire billing period.
3. Where more than one base rate charge is imposed under the provisions of Paragraph 3.13 hereof, the number of base rate charges will not be reduced by reason of a vacancy in any unit.

1.2 LARGE WATER SERVICES

1.21 Conditions for Larger Water Service

When application is made for a water service larger than the standard three quarter inch size (3/4"), the Authority shall install the required service, if approved, but shall make a charge equal to the costs of the materials, equipment and supplies, labor and other expenses in accordance with the provisions of Section III hereof. In no event shall the said charge be less than the standard connection fee.

1.3 SPECIAL WORK

1.31 Applicant to Pay Costs of Special Work

Special work described below, when requested by the customer and subsequently approved by the Authority, shall be undertaken at the sole expense of the customer or applicant for such work. Charges shall be computed in accordance with Section III hereof.

- a. Enlargement, relocation, alteration or extension of a water service.
- b. Enlargement, relocation, alteration or extension of an existing water main.

1.32 Deposit Required

Prior to commencing any special work, the Authority may require a deposit from the applicant equal to the estimated cost of the improvements in accordance with the provisions of Section III hereof.

1.4 CONDITIONS FOR SERVICE

1.41 Single Water Service to a Premise

- 1. A single water service shall be installed to provide water service to the premise for which the permit is issued.
- 2. There shall be no connections permitted to any water service line for the purpose of serving a second structure either on or off the property served.

3. Where two or more dwelling units or commercial enterprises are located within the same structure, the following rules will generally apply for water services:
 - a. If the units are designed to be used as individually owned units or if the structure can at some future time be sub-divided into separately owned units (such as condominiums or townhouses) then separately metered water service shall be required for each unit.
 - b. If the units within a structure are to be rental units owned by a single individual or business firm, and are not considered adaptable to individual ownership, there may at the Authority's discretion be one water service and one meter sized to provide adequate service to all units in the building.
 - c. In the case of conversion of an existing structure from one use to another, the Authority shall at the time of conversion review requirements for water service based on the individual circumstances and, if necessary, establish an additional requirement for service.

1.42 Access to Authority Facilities on Customer Property

1. The property owner shall provide Authority personnel with the right of access to the premises for the purpose of reading and maintaining the water meter and for inspections relative to the service, use and protection of the potable water supply.
2. The owner shall be responsible for providing safe, convenient access to the remote reading receptacle located on the exterior of the building. Trees, shrubbery, bushes or other vegetation shall be trimmed as required, other obstructions shall be removed. If unsatisfactory conditions develop, the owner shall correct them within fifteen (15) days notice either written or verbal by the Authority. Failure of the owner to reply to the Authority's request authorizes Authority personnel to do the trimming as deemed necessary or to discontinue service to the property in accordance with section 1.46. The property owner will be charged accordingly.

3. The owner shall be responsible for providing safe, convenient access to the water meter and a working area around such meter. If unsatisfactory conditions develop, the owner shall correct them within fifteen (15) days notice either written or verbal by the Authority. Failure of the owner to reply to the Authority's request authorizes Authority personnel to discontinue service to the property in accordance with section 1.46. The property owner will be charged accordingly.

1.43 Responsibility for Service

1. The Authority shall not be liable for any inconvenience or damage caused by high or low water pressure or for shutting off the supply of water for the purpose of making repairs or changes in the mains or appurtenances to the water distribution system.
2. The Authority shall not be responsible for any damage to the user's service line which may occur during repair or replacement of the Authority's portion of the service line.

1.44 Protection of the Meter

1. The owner of a water service must at all times protect the meter from damage due to freezing, hot water, tampering, or any other cause.
2. The Authority may place a meter seal on each meter and shall periodically inspect it. The seal shall be installed through the meter coupling nut and the register mounting screws so as to prevent unauthorized removal of the meter register or removal of the meter from the supply side of the water service.
3. The customer shall be responsible for any damage to the water meter and will be held liable for the full cost of repair or replacement of a damaged meter.

4. Removal, cutting or tampering with the meter seal or connecting wire for the purpose of bypassing the meter shall be cause for immediate shut off of the water service. If the seal is removed accidentally or unintentionally, or if it is necessary to remove the seal for work on the internal water system, it shall be the responsibility of the customer to so advise the Authority office within three (3) working days of removal. Failure to do so may result in the assessment of the fees specified in Paragraph 3.25.
5. In addition to the fees specified in Paragraph 3.25, the Authority shall retain the right to file criminal charges against any customer found to be using unmetered water through violations of these regulations.

1.45 Repairs to Services

1. Repairs to water services between the water main and the curb stop shall be the responsibility of the Authority.
2. Repairs to water services between the curb stop and the building served shall be the responsibility of the property owner.
3. Repairs to leaks occurring on the property side of the curb stop shall be made within five (5) calendar days of written notice to the owner that such repairs are required.

1.46 Discontinuance of Service

Only Authority personnel shall be empowered to shut off the water to any premise for any of the following reasons:

- a. Failure to pay water and/or sewer charges in accordance with the provisions of Section 3.01 hereof.
- b. Non-compliance or violations of regulations of the Authority or the Pennridge Waste Water Treatment Authority, or with the provisions of the applicable plumbing code of any of the Municipalities serviced by the Authority.

- c. Excessive and continued waste of water.
- d. Failure to repair leaks in accordance with Paragraph 1.45.
- e. Continued failure to provide access to Authority personnel in accordance with Paragraph 1.42.

All charges related to the discontinuance of service are available in Section 3.16.

1.47 Reconnection of Service

Only Authority personnel shall be empowered to reconnect a discontinued water service.

- a. Service that is being reconnected due to winterization or vacancy will only be done so when a property owner or manager is present at said property.
- b. All charges related to the reconnection of service are available in Section 3.17.

1.48 Removal of Meters

The Authority shall remove meters for repair, inspection, replacement and/or periodical testing. Property owners will be contacted by the Authority to arrange a mutually convenient time for service/replacement of the meter.

1.5 STANDARD CONSTRUCTION SPECIFICATIONS

1.51 Authority Specifications

The provisions of the Authority's Standard Specifications and Requirements for the Construction of Water Supply Systems, as prepared by Andersen Engineering & Associates, Inc. currently in effect and from time to time amended and revised by Resolution, are hereby incorporated into these regulations, by reference, in their entirety. Copies of such specifications and requirements are available at the offices of the Authority or online at www.perkasieauthority.org.

1.6 WATER USE RESTRICTION

1.61 Unauthorized Water Use

1. No individual, firm or corporation, or public or private entity of any description shall be permitted to withdraw water from any location within the Authority's water systems, except for emergency purpose, without the expressed prior authorization by the Authority.
2. These provisions shall apply, but not be limited to building contractors, developers, street and highway construction crews, lawn care firms, etc.
3. In the event the Authority authorizes temporary or construction water withdrawal to a building contractor, developer, construction crew, lawn care firm, etc., it shall be at a location specified by the Authority. Metering and backflow prevention shall be required to such uses and approved by the Authority prior to water withdrawal.
4. Nothing herein shall prevent any fire company or other agency engaged in public protection from using water as required in the protection of the public health, safety and welfare.

1.62 Water Loss Due to Customer Negligence

1. The customer shall be responsible for the protection of all water facilities on the property or within any building or structures owned by him.
2. The loss of water or damage to the Authority facilities due to the negligence or failure by the owner to properly operate and/or maintain the facilities shall be billed to the owner in accordance with Section III of these regulations.

1.7 PROTECTION OF POTABLE WATER SUPPLY AND CONSERVATION REQUIREMENTS AND FIXTURES REQUIREMENTS

1.71 General

A potable water supply system shall be designed, installed and maintained in such a manner as to prevent contamination from non-potable liquids, solids or gasses, or any toxic or foreign substances or materials of any kind, being introduced into the potable water supply through cross connections, or any other piping connections to the systems.

1.72 Identification of Potable and Non-Potable Water

In all buildings where dual water distribution systems, one (1) potable water and the other non-potable water, are installed, each system shall be identified either by color marking or metal tags as required in ANSI A13.1, or other approved method as may be approved by the plumbing official.

1.73 Cross Connection Control

Cross connections are prohibited except when and where as approved by the Authority, suitable protective devices such as the reduced pressure zone back flow preventer or equal are installed, tested and maintained to insure proper operation on a continuing basis.

1.74 Private Water Supplies

Cross connections between a private water supply and a potable public supply shall not be made, unless specifically approved by the Authority. .

1.75 Public Water Supply Interconnections

Interconnection between two (2) or more public water supplies shall be permitted only if said interconnection is determined to be acceptable by DEP regulations at the time of connection.

1.76 Toxic and Foreign Substances

Toxic and foreign substances, matter or material of any kind shall be kept out of the potable water system.

1.77 Pipe Construction

Piping conveying potable water shall be constructed of non-toxic material approved by Perkasi Regional Authority.

1.78 Chemical and Other Substances

Chemicals or other substances that could produce toxic conditions, taste, odor or discoloration in a potable water system shall not be introduced into, or used in, such systems.

1.79 Painting of Water Tanks

The interior surface of potable water tanks shall not be lined, painted or repaired with any material which will affect either the taste, odor, color or potability of the water supply when the tank is placed in, or returned to, service.

1.80 Used Piping

Piping which has been used for any purpose other than conveying potable water shall not be used for conveying potable water.

1.81 Connections to Boilers

Potable water connections to boiler feed water systems in which boiler water conditioning chemicals are introduced shall be made through an air gap, or provided with an approved backflow preventer located in the potable water line before the point where such chemicals are introduced. Boilers shall be equipped with a check valve in the cold water supply to the boiler.

1.82 Prohibited Connections to Fixture and Equipment

Connection to the potable water supply system for the following uses shall be protected against backflow:

- a. Bidets
- b. Operating dissection, embalming and mortuary table or similar equipment. In such installation the hose used for water supply shall terminate at least twelve (12) inches away from every point of the table or attachments.
- c. Pumps for non-potable water, chemicals or other substances. Primary connections may be made only through an air gap.
- d. Building drainage, sewer or vent systems.
- e. Any other fixture of similar hazard.

1.83 Refrigerating Unit Condensers and Cooling Jackets

Except where potable water provided for a refrigerator condenser or cooling jacket is entirely outside the piping, or tank containing a toxic or flammable refrigerant as defined in ANSI B9.1, Paragraphs 5.1.2 and 5.1.3, with two (2) separate thicknesses separating the refrigerant from the potable water supply, inlet connection shall be provided with an approved check valve. Also, adjacent to and at the outlet side of the check valve, an approved pressure relief valve set to relieve at five (5) PSI above the maximum water pressure at the point of installation shall be provided if the refrigeration units contain more than twenty (20) pounds of refrigerants.

1.84 Used Water Return Prohibited

Water used for cooling of equipment or other processes shall not be returned to the potable water system. Such water shall be discharged into a drainage system through an air gap, or may be used for non-potable purposes on written approval of the plumbing official.

1.85 Protection Against Backflow and Backsiphonage

Protection against backflow and backsiphonage shall be provided as required in Paragraphs 1.73 and 1.82.

1.86 Water Outlets

A potable water system shall be protected against backflow and backsiphonage by providing at each outlet:

- a. An air gap as specified herein between the potable water outlet and the flood level rim of the fixture it supplies, or between the outlet and any other source of contamination; or, where the air gap is impracticable.
- b. A backflow preventer device or vacuum breaker approved as hereinafter provided.

1.87 Minimum Required Air Gap

Minimum required air gap shall be determined as follows:

a. How measured:

The minimum required air gap shall be measured vertically from the lowest end of a potable water outlet to the flood rim of the fixture or receptacle into which it discharges.

b. Size:

The minimum required air gap shall be twice the effective opening of a potable water outlet, unless the outlet is a distance less than three (3) times the effective opening away from a wall or similar vertical surface, in which case the minimum required air gap shall be three (3) times the effective opening of the outlet. The minimum required air gap shall not be less than shown in Table 1.87.1 Minimum Air Gaps for Plumbing Fixtures.

TABLE 1.87.1		
MINIMUM AIR GAPS FOR PLUMBING FIXTURES		
Fixture	MINIMUM AIR GAP	
	When not affected by near wall*	When affected by near wall**
	(inches)	(inches)
Lavatories and other fixtures with effective opening not greater than 1/2 inch diameter.	1.0	1.5
Sink, laundry trays, goose-neck bath faucets and other fixtures with effective opening not greater than 1 inch diameter.	1.5	2.25
Drinking water fountains-single orifice, not greater than 7/16 (0.437) inch diameter or multiple orifices having a total area of 0.150 square inches (area of circle 7/16 inch diameter).	2.0	2.5
Effective openings greater than one	2x diameter of effective opening	3x diameter of effective opening
* Side walls, ribs or similar obstructions do not affect air gaps when spaced from inside edge of the spout opening a distance greater than three times the diameter of the effective opening for a single wall, or a distance greater than four times the diameter of the effective opening for two intersecting walls.		
** Vertical walls, ribs, or similar obstructions extending from the water surface to or above the horizontal plane of the spout opening require a greater air gap when spaced closer to the nearest inside edge of the spout opening than specified in Note * above. The effect of three or more such vertical walls or ribs has not been determined. In such cases the air gap shall be measure from the top of the wall.		

1.88 Devices for the Protection of the Potable Water Supply

Approved backflow preventers or vacuum breakers shall be installed with any plumbing fixture or equipment, where the potable water supply outlet may be submerged and cannot be protected by a minimum air gap.

1.89 Approval of Devices

Before any device used for the prevention of backflow or backsiphonage is installed, it shall have first been identified as an approved device by the Authority. Devices installed in a building on the potable water supply distribution system for protection against backflow shall be maintained in good working condition by the property owner or other person or persons responsible for the maintenance of the system.

1.90 Installation of Devices:

Installation of backflow or backsiphonage protection devices shall be subject to the following requirements:

1. Vacuum Breakers

Vacuum breakers shall be installed with the critical level at least six (6) inches above the flood level rim of the fixture they serve and on the discharge side of the last control valve to the fixture. Shut off valve or faucet shall not be installed beyond the vacuum breaker. For closed equipment or vessels such as pressure sterilizers, the top of the vessel shall be treated as a flood level rim, but a check valve shall be installed on the discharge side of the vacuum breaker.

2. Reduced Pressure Zone Backflow Preventer

A reduced pressure zone type backflow preventer may be installed subject to full static pressure.

3. Devices of All Types

Backflow and backsiphonage preventing devices shall be accessibly located, preferably in the same room with the fixture they serve. Installation in utility or service spaces, provided they are readily accessible, is also permitted.

1.91 Tanks and Vats, Below Rim Supply

1. Where a potable water outlet terminates below the rim of a tank or vat and the tank or vat has an overflow of diameter not less than given in Table 1.91.1, Sizes of Overflow Pipes for Water Supply Tanks, the overflow pipe shall be provided with an air gap as close to the tank as possible.
2. The potable water outlet to the tank or vat shall terminate a distance not less than one and one half (1 1/2) times the height to which water can rise in the tank above the top of the overflow. This level shall be established at maximum flow rate of the supply to the tank or vat, and with all outlets, except the air gap overflow outlet, closed.
3. The distance from the outlet to the high water level shall be measured from the critical point of the potable water supply outlet.

TABLE 1.91.1	
Maximum Capacity of Water Supply Line to Tank	Diameter of Overflow Pipe (inches ID)
0 - 50 G.P.M.	2
51 - 100 G.P.M.	2.5
101 - 165 G.P.M.	3
166 - 355 G.P.M.	4
356 - 640 G.P.M.	5
641 - 1,040 G.P.M.	6
OVER 1,040 G.P.M.	8

1.92 Protective Devices Required

In the installation of the following list of fixtures and devices, where an air gap is not provided or is impracticable, approved backflow preventers shall be installed in all supply line according to Table 1.92.1.

TABLE 1.92.1	
CROSS CONNECTION WHERE PROTECTIVE DEVICES ARE REQUIRED AND CRITICAL LEVEL (C-L) SETTINGS FOR BACKFLOW PREVENTERS	
Fixture or Equipment	Method of Installation
Aspirators, ejectors and hand held "telephone" showers	C-L at least 6 inches above flood level of machine
Cup beverage vending machines	C-L at least 12 inches above flood level of machine
Dental units	On models without built in vacuum breakers C-L at least 6 inches above flood level rim of bowl
Dishwashing machines	C-L at least 6 inches above flood level of machine
Flushometers (closet & urinal)	C-L at least 6 inches above flood level of fixture supplied
Garage can cleaning machine	C-L at least 6 inches above flood level of machine
Hose outlets	C-L at least 6 inches above highest point of hose line
Laundry machines	C-L at least 6 inches above flood level of machine
Lawn sprinkler	C-L at least 12 inches above highest sprinkler or discharge outlet
Steam tables	C-L at least 6 inches above flood level
Tank and vats	C-L at least 6 inches above flood level
Trough urinals	C-L at least 30 inches above perforated flush pipe
Flush tanks	Equip with an approved float valve. In all cases the float valves shall be located above the overflow level of the tank and the outlet terminated one inch above the overflow or provided with a backflow preventer located at least one inch above the overflow
Hose bibs (where aspirators or ejectors could be connected)	C-L at least 6 inches above flood level of receptacle served.

Note: Critical Level (C-L) is defined as the level to which the backflow preventer (vacuum breaker) may be submerged before backflow will occur. Where C-L marking is not shown on the preventer, the bottom of the device shall be taken as the C-L.

1.93 Connecting Subject to Back Pressure

Where a potable water connection is made to a line, fixture, tank, vat, pump or other equipment with a hazard of backflow or siphonage where the water connection is subject to back pressure, and an air gap or backflow preventer cannot be installed, the plumbing official may require the use of an approved reduced pressure zone backflow preventer and, also, in extreme situations, an approved pressure type vacuum breaker. A partial list of such connections is shown in Table 1.93.1 Partial List of Cross Connections Subject to Pressure.

TABLE 1.93.1	
PARTIAL LIST OF CROSS CONNECTIONS SUBJECT TO BACK PRESSURE	
Chemicals	Pumps
Cup beverage vending machines	Steam lines
Dock water outlets	Swimming pools
Individual water supplies	Tank and Vats, bottom inlets
Industrial process water lines	Hose bibs
Pressure Tanks	

1.94 Barometric Loops

Water connections not subject to back pressure where an actual or potential backflow or backsiphonage hazard exists may in lieu of devices specified in Section 1.93 and Table 1.93.1, be provided with a barometric loop. Barometric loops shall precede the point of connection (see Figure B-37, Appendix B).

1.95 Vacuum Breakers or Protective Devices Sill Cocks

Sill cocks, hose bibs, wall hydrants and any type of faucet that has either male or female threads for the connection of a hose or similar equipment shall be protected by an approved vacuum breaker or device which will not permit its removal without damaging the connection.

1.96 Backflow Prevention on Fire Service Lines

Any fire service line connected to the Authority's public water supply shall have installed, at a minimum, a double check valve with a detector check system.

Backflow preventer must be approved by the Authority prior to installation.

1.97 Conservation Fixtures Required

1. All new structures to be connected to the water and/or sanitary sewer systems of the Authority, and all existing structures currently connected, that subsequently make any additions, changes, replacements or modifications to the plumbing system shall be required to install or have installed the following:
 - a. Water saving or low-flush toilets requiring no more than one and six-tenths (1.6) gallons per flush; water saving or low-flush urinals requiring no more than one and one-half (1.5) gallons per flush.
 - b. Water saving shower heads that will prevent discharge rates in excess of three (3.0) gallons per minute at normal system pressure.
 - c. Water saving aerated faucets that will prevent discharge rates in excess of three (3.0) gallons per minute.
2. In the event any municipality served by the Authority, or any other regulatory agency having the power and jurisdiction shall enact more stringent regulations, such regulations shall take precedence over the conditions of items Section 1.97 Paragraph 1.

1.98 Municipality Enforcement

The Code Enforcement Officers of the Borough of Perkasio, East Rockhill Township, West Rockhill Township and Hilltown Township shall be requested and authorized to act as an agent of the Authority for the enforcement of this section of the Authority's Rules and Regulations. Further, such officials shall be requested to withhold Occupancy Permits for any structure that is not in full compliance with these Regulations.

SECTION II - SEWER SERVICE

2.0 ADMINISTRATION AND GENERAL

2.01 Applications for Sewer Service

1. Applications for sewer service shall be completed by the property owner or their representative. The application shall be made in a manner specified by the Authority.
2. Upon proper application and payment of the permit fees and deposits specified in Section III of these regulations, a connection permit shall be issued by the Authority.

2.02 Rates and Fees

1. The Authority Board shall establish and from time to time may modify, change or amend the rates and fees for sewer service. Such rates and fees shall include:
 - a. Connection fee to cover the cost of installation of a minimum four inch (4") sewer service.
 - b. A comprehensive quarterly rate schedule for sewer service based on metered water sales as designed to provide revenue sufficient to meet:
 1. operating expenses of collection system
 2. wastewater treatment costs
 3. capital additions and improvements to the sewer system and annual debt service
 - c. Charges for miscellaneous services and repair of damage caused by others.
 - d. Other fees and charges that may from time to time be established by resolution of the Authority Board.

2.03 Owner's Responsibility

It shall be the responsibility of the owner or contractor to advise the Authority within five (5) days of the occupancy of a newly constructed building or any building renovated to increase or decrease the number of dwelling units or commercial establishments. Failure to do so will be grounds for discontinuance of service.

2.1 SERVICE LINE

2.10 Sewer Service Line

1. The service line of both the Authority and the customer shall be of the following types:
 - a. Ductile iron pipe with watertight gaskets.
 - b. Polyvinyl Chloride (PVC SDR 35) plastic sewer pipe and fittings, conforming to ASTM Specification D3034, with appropriate gaskets and watertight joints.
2. The pipe shall be laid to proper grade, minimum one-fourth inch (1/4") per linear foot unless otherwise approved by the Authority, with good alignment and proper bedding under the pipe, in accordance with the provision of Section 2.12 below.
3. The minimum size of the sewer pipe shall be four inches (4").
4. Materials other than those specified in (1) or (2), above will not be considered. Any material installed that does not conform to these regulations or has not been previously approved by the Authority shall be removed at the direction of the Authority.

2.11 Location of Service Line

1. Normally the Authority will make a connection into the street main and extend the line to the curb or edge of Right of Way, from which point the customer shall install the remainder of the line into the building. The Authority reserves the right to require others to perform this work at the sole cost of the property owner.
2. The location of their service line along the frontage of the property shall be designated by the customer except in special unusual circumstances when the Authority may require a particular location. Only in extreme circumstances will service connections be allowed in rights of way. All clean outs should be accessible from public streets or alleys.
3. Meter required. Customers that connect to the Authority's sewer system, who are not connected to the Authority's water system, shall be required to purchase from the Authority and have placed on the water supply a meter of adequate size to accurately measure consumption and discharge to the sewer system.

2.12 Separate Trenches for Water and Sewer Lines

Under normal conditions, water service and building sewer lines shall be placed in separate trenches, at least ten feet (10') apart horizontally and separated by undisturbed or compacted earth. Under certain conditions this distance may be reduced, but only upon prior approval by the Authority. This condition may be waived for existing services being replaced or for existing homes connecting to the system.

2.13 Placement and Installation of Service Lines

Under extreme conditions where it is impossible or cost prohibitive to dig separate trenches, the water and sewer lines may be placed in the same trench, provided all the following conditions are complied with and the Authority has given prior approval to such installation.

- a. The bottom of the water service pipe at all points shall be at least eighteen inches (18") above the top of the sewer line at its highest point.
- b. The water line shall be placed on a solid shelf excavated at one side of the common trench.
- c. The materials and joints of sewer and water service shall be installed in such a manner and shall possess the necessary strength and durability to prevent the escape of solids, liquids and gasses there from and/or under all known adverse conditions such as corrosion, strains due to temperature changes, settlement, vibrations and superimposed loads.
- d. Service lines shall be run from the cleanout to the point of entrance to the building in as straight a line as possible.

2.14 Inactive Sewer Service

1. A sewer service will not be considered inactive and exempt from charges unless the building has been removed and the property is returned to vacant land. It shall be the responsibility of the property owner to notify the Authority of such an occurrence. Prior to the reactivation of service, the property owner shall pay a reactivation fee equal to the base service charge over the period the service was inactive for the equivalent existing tap size, or a new tapping fee (as set forth in part IV hereof), whichever is less.
2. The full base rate charge will be imposed for any billing period during which the service is active at any time, even though such service may not be active for the entire billing period.

3. Where more than one base rate charge is imposed under the provisions of Section 3.13 hereof, the number of base rate charges will not be reduced by reason of a vacancy in any unit.
4. The Authority reserves the right to require the property owner of any property where the sewer service has been inactivated to, at their sole expense, have the service plugged and sealed at the clean out. In instances where a clean-out does not exist the property owner will be required to install one before the line is plugged and before quarterly fees are suspended.

2.2 CONDITION FOR SERVICE

2.21 Single Sewer Service to a Premise

1. A single sewer service shall be installed to provide sewer service to the premise for which the permit is issued.
2. There shall be no connections permitted to any sewer service line for the purpose of serving a second structure either on or off the property served.
3. Where two or more dwelling units or commercial enterprises are located within the same structure, the following rules will generally apply for sewer services:
 - a. If the units are designed to be used as individually owned units or if the structure can at some future time be sub-divided into separately owned units (such as condominiums or townhouses) then separately metered water service shall be required for each unit.
 - b. If the units within a structure are to be rental units owned by a single individual or business firm, and are not considered adaptable to individual ownership, there may at the Authority's discretion be one sewer service and one meter sized to provide adequate service to all units in the building.

- c. In the case of conversion of an existing structure from one use to another, the Authority shall at the time of conversion review requirements for sewer service based on the individual circumstances and, if necessary, establish an additional requirement for service.

2.22 Responsibility for Service

The Authority shall not be responsible for any damage to the user's service line which may occur during repair or replacement of the Authority's portion of the service line.

2.23 Protection of the Meter

1. The owner of a sewer service must at all times protect the meter from damage due to freezing, hot water, tampering, or any other cause.
2. The Authority shall place a meter seal on each meter and shall periodically inspect it. The seal shall be installed through the meter coupling nut and the register mounting screws so as to prevent unauthorized removal of the meter register or removal of the meter.
3. The customer shall be responsible for any damage to the water meter and will be held liable for the full cost of repair or replacement of a damaged meter.
4. Removal, cutting or tampering with the meter seal or connecting wire shall be cause for immediate discontinuance of the sewer service. If the seal is removed accidentally or unintentionally, or if it is necessary to remove the seal for work on the internal water system, it shall be the responsibility of the customer to so advise the Authority office within three (3) working days of removal. Failure to do so may result in the assessment of the fees specified in Paragraph 3.25.
5. In addition to the fees specified in Paragraph 3.25, the Authority shall retain the right to file criminal charges against any customer found to be using unmetered water through violations of these regulations.

2.24 Repairs to Services

1. Repairs to sewer services between the street main and the right-of-way shall be the responsibility of the Authority.
2. Repairs to sewer services between the right-of-way and the building served shall be the responsibility of the property owner.
3. In the event that a property does not have a cleanout within the right-of-way, the Authority will complete repairs and install a cleanout in said right-of-way.
4. If repairs to the property owner's responsible portion of the sewer line are deemed necessary, repairs shall be made within five (5) calendar days of written notice to the owner that such repairs are required.
5. All repairs made to the property owner's responsible portion of the sewer line must follow the inspection guidelines set forth in Section 2.31.

2.25 Discontinuance of Service

Only Authority personnel shall be empowered to discontinue sewer service to any premise for any of the following reasons:

- a. Failure to pay water and/or sewer charges in accordance with the provisions of Paragraph 3.01 hereof.
- b. Non-compliance or violations of regulations of the Authority or the Pennridge Waste Water Treatment Authority or with the provisions of the applicable plumbing code of any of the Municipalities serviced by the Authority.
- c. Excessive and continued waste of water.
- d. Failure to repair services in accordance with Paragraph 2.05.
- e. All charges related to the discontinuance of service are available in Paragraph 3.16

2.26 Reconnection of Service

1. Only Authority personnel shall be empowered to reconnect a discontinued sewer service.
2. All charges related to the reconnection of service are available in Section 3.16.

2.3 STANDARD CONSTRUCTION SPECIFICATIONS

2.30 Construction Details

1. Refer to detail drawings numbers SL-1, SL-2, SL-3 or SL-4 as applicable, included herein by reference.
2. Sewer Service Pipe:
 - a. All sanitary sewer service pipes shall be laid on the minimum base of six inch (6") compacted Penn Dot 2A modified crushed stone. 2B stone or "screenings" are also acceptable. Care shall be exercised to insure the pipe is at the proper depth, grade and alignment. Each section shall rest on the bedding material for the full length of its barrel. A depression shall be excavated to accommodate the pipe bell. (Phase 1)
 - b. After inspection and approval by the Authority (Phase 1) (see 2.13 below) the pipe shall be carefully backfilled with crushed stone (Phase 2) until full pipe encasement reaching a compacted depth of at least twelve inches (12") over the top of the pipe is attained. Testing can now be accomplished.
 - c. After inspection of full encasement and successful testing, final backfill using carefully compacted suitable material (without any large rocks, 8" in largest dimension and no more than 20% by volume, or any foreign substances) may be completed. Care must be exercised to insure final backfill and compaction will not result in pipe deflection.

3. Connection to the Authority's Sewer Lateral:

Authority shall have provided a clean out at the point of connection with the Authority's lateral. Said clean out shall extend to six inches (6") above the existing grade in replacement situations. New construction clean outs will be set to extend six inches (6") above final grade unless the clean out is located in a sidewalk. In these instances, a flat brass or plastic inverted plug will be used during replacement of an existing sewer service. The Authority reserves the right to require a protective sleeve over the clean out in situations where damage could occur by traffic or other means. When the property owners lateral is of different type or size, connection shall be made by use of an appropriate sized Fernco, Inc. flexible coupling (Fernco fitting or boot) or product of equal quality approved by the Authority that creates a water tight seal.

4. The service lateral shall be installed in as straight a line as possible, perpendicular between the main sewer and building entry point. Ninety degree changes in direction shall not be permitted.

5. Cleanout assemblies shall be installed at the direction of the Authority.

6. Vents/traps are not required on new installations as proper venting should be accomplished in the interior plumbing. Any structure built before 1980 will require a free running tap be installed on the customer's property and in accordance with local plumbing codes.

2.31 Inspection and Testing Before Backfilling

1. It shall be the responsibility of the owner or contractor to advise the Authority to make a visual inspection of the work and testing procedures in accordance with the schedule specified in Section 2 below. The purpose of the inspection shall be to ascertain the following:

- a. The lateral is constructed at the proper depth.
- b. Material of the prescribed type and quality is being used.

- c. Pipe bedding and pipe encasement is properly prepared and installed.
 - d. The lateral construction and connection to the Authority's system is in conformance with Authority regulations.
 - e. The backfill material on site is acceptable for use.
 - f. Insure all joints are watertight and the pipe is free from any defects that would permit leakage.
2. Inspection and testing of the facilities shall be required in accordance with the following schedule:
- a. Testing the customer's sewer service between Authority's line and the house connection shall be the responsibility of the owner and/or contractor. Prior to final backfilling, the test shall be run with a head of five feet (5') of water above the highest invert. The lateral shall be sealed by use of an inflatable plug through a trap, clean out or test tee immediately before the connection to the Authority's line. No leaks shall be permitted from either pipe or joints. The duration of the test shall be for one (1) hour or such other period determined by the Authority Inspector. House connections may also be tested using a low pressure air test with the approval of the Authority. Testing pressure shall be at 4 psg for five (5) minutes.
 - b. Testing procedures conducted without the presence of any Authority representative will not be considered.
 - c. Upon final approval by the Authority, the trench may be backfilled with the excavated material, from which all rocks over eight inches (8") in size, roots, or other foreign matter have been removed.
3. Any non-conforming or unacceptable conditions shall, at the direction of the Authority, be corrected by the owner or their contractor prior to final approval. Any questions or inconsistencies shall be referred to the Authority Manager for clarification.

4. To insure timely inspection, the owner or contractor shall notify the Authority a minimum of one (1) day before the work will be ready for testing and inspection. Failure to do so may result in an undue delay. Work that has been backfilled prior to testing, inspection and Authority approval shall be re-excavated and all piping exposed.

2.4 CONDITIONS FOR SEWER SERVICE

2.41 Type of Discharges

1. A sanitary sewer service shall carry discharge of sanitary sewage only, including the discharge from toilets, lavatories, sinks, bathtubs, showers, washers, etc. No roof waters, cellar drains or any other rain water, surface water or ground water shall be admitted to the sanitary sewer system.
2. The provisions of the Borough of Perkasié Sewer Use Ordinance, East Rockhill Township Sewer Use Ordinance, West Rockhill Township Sewer Use Ordinance and Hilltown Township Sewer Use Ordinance currently in effect, and as hereinafter amended, relating to the Use of Public Sewers shall be incorporated into and become a part of these regulations by reference.

2.42 Elevation and Location

The customer agrees to accept the elevation and location of all sewers as owned by the Authority and will, where necessary, install, maintain and operate at his own expense, a pump station where gravity drainage into the sewer main is not possible. Any proposed pump station must be approved by the Authority before installation.

2.43 Special Waste Treatment

1. When a sewer user or industry desires to discharge a waste into the sewer system other than sanitary sewage, then special treatment facilities approved by the Authority and Penridge Wastewater Treatment Authority must be installed and operated by the user. These facilities must render the waste harmless to the sewer collection and interceptor systems and the treatment plant.
2. The industry may be required to enter into a special agreement with the Authority and with Penridge Wastewater Treatment Authority regarding the pre-treatment of the waste.
3. Permit applications, if required by either the Authority or Penridge Wastewater Treatment Authority, shall be completed by the industry.

2.44 Single Premise Use

A sewer service shall be used by only one premise and by only the structure for which service was designated unless written permission is secured from the Authority by the user to do otherwise.

2.45 Access to Authority Facilities on Customer's Property

1. The property owner shall provide Authority personnel with the right of access to the premises for the purpose of reading and maintaining the water meter and for inspection of plumbing fixtures, connections, piping and any other matter relating to the sewer service.

2. The owner shall be responsible for providing safe, convenient access to any remote reading receptacle located on the exterior of the building. Trees, shrubbery, bushes or other vegetation shall be trimmed as required, other obstructions shall be removed. If unsatisfactory conditions develop, the owner shall correct them within fifteen (15) days notice, either written or verbal by the Authority. Failure of the owner to reply to the Authority's request authorizes Authority personnel to do the trimming as deemed necessary. The property owner will be charged accordingly.
3. The owner shall be responsible for providing safe, convenient access to the water meter and a working area around such meter. If unsatisfactory conditions develop, the owner shall correct them within fifteen (15) days notice either written or verbal by the Authority. Failure of the owner to reply to the Authority's request authorizes Authority personnel to discontinue service to the property in accordance with Section 2.25. The property owner will be charged accordingly.

2.46 Authority Not Liable

1. Where a premise served is at an elevation such that water from the sewer system could enter through the service line, the user shall install at their expense a suitable wastewater backflow valve to prevent damage from such sewer back up.
2. The Authority shall not be liable for any damage or inconvenience caused by stoppages of the sewer lines.

SECTION III - RATES, FEES, CHARGES AND BILLING PROCEDURES

3.0 ADMINISTRATION AND GENERAL

3.01 General Billing Procedures

1. Method of Billing: The Authority shall issue bills to all water and sewer customers based on metered water sales (except unmetered services hereafter specified). The bills shall be issued quarterly, on a staggered basis with Cycle A being billed on the first day of March, June, September and December, Cycle B being billed on the first day of January, April, July and October and Cycle C being billed on the first day of February, May, August and November.
2. Responsible Party: The owner of each premise to which water and/or sewer service and/or fire protection is provided shall receive the bill for said service(s) and shall be the party from whom payment will be expected, unless other arrangements are specifically provided for and are acceptable to the Authority. Tenants of rental properties can be billed directly as a courtesy to the property owner. Property owners are always the primary responsible party for the payment of water, sewer and fire protection services to their rental properties. In cases where the tenants are billed for services, the property owner will receive duplicate copies of all bills and notices. Regardless of any arrangements, property owners are **always** the responsible parties for payment of service(s).
3. Due Dates: The net amount of the bill shall be due and payable on or before the twentieth (20) day of the month in which the bill is issued and dated.
4. Late Fee: An amount equal to ten percent (10%) of the current charges shall be added to the bill and shall become due on and after the twenty first (21st) day of the month in which the bill was issued and dated

5. Past Due Notice: When a bill becomes delinquent for a period of forty (40) days, (the tenth day of the month following the month in which the bill was issued), a courtesy reminder call through the Authority's automated phone message system shall be placed requesting payment within ten (10) days of such notice.
6. Delinquency Fee: An additional amount equal to five percent (5%) of the original quarterly charges shall be added to the bill and become due after the fiftieth (50th) day from the original bill date.
7. Delinquency Notice: Disregard of the reminder notice/phone message after a fourteen (14) day period will result in a disconnect notice/phone message to the delinquent customer (property owner and/or tenant) advising of the date that the property will be door posted.
8. Disconnection Notice: Disregard of the second (2nd) notice/phone message after a fourteen (14) day period will result in a door posting after the seventy fifth (75th) day from the original bill date. This posting will advise when service will be disconnected and include an updated balance due.
9. Door Posting Fee: In the event that a disconnection notice has been posted an additional amount equal to five percent (5%) of the original quarterly charges shall be added to the bill and become due after the seventy fifth (75th) day from the date of the original bill date.

10. Service Termination Notice: Disregard of the disconnection notice after a five (5) day period will result in a notice sent via certified mail advising of the date of termination of service, the amount required for reconnection, the time, date and location where payment may be made, the times during which services will be reconnected and the right of the customer to request consideration of unusual circumstances which may create a hardship for the customer. In cases of hardship, payment arrangements can be made with the Authority. All payment arrangements must be signed by the customer (owner) using the Authority's payment arrangement form. In the event that the payment arrangements are with a tenant, the property owner will receive a copy of the signed arrangements. Payment arrangements do not relieve the property owner of their responsibility for ultimate payment of the bill.
11. Certification Fee: In the event that a customer has been notified via certified mail, a charge of ten dollars (\$10) will be added to the account.
12. Service Termination: Continued failure to pay the delinquent balance due or make suitable payment arrangements, within ten (10) days following the receipt of the service termination notice, will result in the service being terminated on the date specified in the notice. All fees associated with service discontinuance are referenced in Paragraph 3.16.
13. Municipal Liens: In event that an account has been shut off and insufficient attempts have been made to pay the balance due, there shall be an Assumpsit Complaint filed with the District Justice for the total delinquent balance due, plus a seventy five dollar (\$75) fee.
14. Insufficient Funds/Return Check Charge: There will be a fee of Twenty-Five Dollars (\$25.00) assessed to customers account for the return of a check not honored for any reason by the customer's bank.

15. Certification Fees: There will be a fee of Twenty-Five Dollars (\$25.00) for the following occurrence where either a final estimate or a meter reading/monies due certification is requested and provided.
 - a. Tenant In/Out
 - b. Settlement of a property
 - c. Refinancing of a property
 - d. Verification of payment or credit history is requested/provided
16. Estimated Billings: If, for any reason, Authority personnel are unable to obtain a valid water meter reading, then an estimated bill will be rendered based upon the usage of water during the same period in the previous year.
17. Failure to Receive Bills: Failure to receive the quarterly bill, except through the fault of the Authority, shall not be considered just cause for failure to pay the bill, or failure to pay the bill during the net rate period.
18. Methods of Payments: Payments can be made in the following manner and methods:
 - a. In person
 - b. Mail
 - c. Over the phone
 - d. On-line through a secure server
 - e. Recurring payments
 - f. Cash
 - g. Mastercard, Visa, Discover
 - h. Automated clearing house (ACH) bank drafts
 - i. Check/money order/E-check

19. Billing Adjustments: All bills are based on readings obtained from the customer's water meter and as such are considered final. The only exception that may be considered by the Authority is in the event of a water leak beyond the meter that does not enter the sewer system. If this instance arises, the sewer charge may, in the discretion of the Authority, be reduced to the average consumption normally used during the same billing period in the prior year. The customer must provide written verification of where the leak occurred and provide evidence that the water in question did not enter the sewer system. The Authority shall have the final discretion to make billing adjustments based upon consideration of all facts and circumstances. There is absolutely no reduction in the sewer bill charges for water used for filling swimming pools, lawn or garden watering or car washing.

3.1 WATER RATES AND FEES

3.11 Connection Fees and Deposits

1. Upon filing an application for a new water service, the following fees shall be due and payable by the applicant.
 - a. Standard Connection Fee: Connection fees for a new 3/4 inch (3/4) service (5/8 inch meter) shall be determined on a year to year basis by the Authority.
 - b. Waiver of Connection Fee: In cases where the water service line between the water main and the curb line or the edge of right-of-way will be or has been, installed by persons other than Authority personnel, and when it is not necessary for Authority personnel to perform any work on the service line, the Standard Water Connection Fee required by Section 3.11 (1) a. shall be waived.

2. Larger Services: If a water service larger than three quarter inch (3/4) is required, or if special or unusual conditions result in costs over and above the standard water connection fee, the applicant shall be required to pay the actual cost of installation over and above the standard connection fee. The additional costs include direct labor, overhead, material and supplies and equipment rental fees.
3. Permit Fee: A permit fee in the amount of Three Hundred Dollars (\$300.00) for each metered dwelling unit shall be charged to offset the cost of the meter, administration and inspection.

3.12 Water Service Charges

1. The quarterly water rate for all type customers using a standard 5/8 inch meter on a separately metered service (except municipal swimming pools) shall be:

Base Service Charge	\$69.50
0-15,000 gallons	\$3.55 per thousand
16,000 and over	\$6.20 per thousand

2. The quarterly service charge for larger sized water services shall be based on the equivalent 3/4" service provided for in the Authority's tapping fee guidelines in Section IV hereof. Equivalencies for purposes of quarterly charges are rounded to the nearest whole number.

1 Inch Meter=2 EDU's	\$139.00
1-1/2 Inch Meter=4 EDU's	\$278.00
2 Inch Meter=7 EDU's	\$486.50
3 Inch Meter=16 EDU's	\$1,112.00
4 Inch Meter=29 EDU's	\$2,015.50
6 Inch Meter=64 EDU's	\$4,448.00

3. The quarterly charge for municipal swimming pools will be the meter charge plus the lowest charge listed in Section 3.12(1) per thousand gallons used except during non-use quarters when the account shall be deemed "inactive".

3.13 Multiple Unit Water Service

1. Where a premise or building is divided into separate dwelling units, and where a premise is divided into separate stores, businesses or professional offices, or where a premise is divided into the combination of separate units, and served by a single water meter, then all water charges shall be computed on the total number of units served, i.e. the quarterly service charge multiplied by the number of units. The gallonage in each of the rate brackets set forth in Section 3.12-1. above shall be multiplied by the number of units to arrive at the proper rate.
2. Where a customer requests service to a multiple unit is segregated, the Authority will, when possible, accommodate such request. It shall be the sole responsibility of the customer to have all necessary plumbing alterations prepared at their cost. If service is being segregated internally, there will be a water permit fee charged for each new meter. If the customer wants separate service lines, the Authority will accommodate such request and will install said service upon payment of the standard connection fee in effect at the time of the request or any special fee that may apply.

3.14 Public Fire Hydrant Rental

1. The annual fee for public fire hydrants shall be:

4 inch hydrant	\$90.00 per hydrant per year
6 inch hydrant	\$175.00 per hydrant per year

2. Township(s) Fire Protection Fees: Due to a lack of formal fire protection billing agreements with the townships, the Authority will assess a fee on each dwelling or equivalent dwelling unit connected to the Authority's water system. This is an annual fee billed in quarterly installments. This fee is in addition to the standard water charges. The annual fee will be \$16.00 per unit per year. All fire protection fees are billed quarterly.

3.15 Private Fire Protection

The charges for private fire protection service lines shall be:

Individual Residential Sprinkler Systems	\$65.00 per year
4 inch sprinkler service	\$200.00 per year
6 inch sprinkler service	\$455.00 per year
8 inch sprinkler service	\$810.00 per year

Note: All sprinkler charges are billed quarterly

3.16 Disconnection Fee

1. In the event a service is discontinued in accordance with the provisions of Paragraph 1.46, a fee of Thirty (\$30.00) will be charged if performed during normal working hours.
2. If a request is made to temporarily discontinue service for any reason after normal business hours (Monday-Friday 8am-4pm) a service fee of Sixty (\$60.00) will be charged.

3.17 Reconnection Fee

1. In the event a service is reconnected in accordance with the provisions of Paragraph 1.47, a fee of Thirty (\$30.00) will be charged if performed during normal working hours.

2. If a request is made to temporarily discontinue service for any reason after normal business hours (Monday-Friday 8am-4pm) a service fee of Sixty (\$60.00) will be charged.

3.18 Unauthorized Water Use

Persons found to be withdrawing water without authorization in accordance with Paragraph 1.71 of these regulations shall be subject to a fee of \$250.00 unless it is documented, the value of the water taken exceeds that amount, in which case the higher amount shall be charged.

3.19 Damage or Loss Due to Customer Negligence

When water is lost or Authority property or facilities are damaged due to the negligence of the customer or due to improper care and maintenance of water facilities located on the customer's property, the customer shall be held responsible and shall be charged for all damages. The charges may include the estimated water lost at the existing Authority rates, the cost of pumping to restore the water loss, labor costs incurred by the Authority relative to the condition, the cost of all material and supplies used by the Authority and any other costs to which the Authority may be liable as a result of the customer's negligence.

3.2 SPECIAL WATER SERVICE CHARGES

3.21 Meter Testing Fee

There shall be a charge of Fifty Dollars (\$50.00) to remove and test a water meter at the request of the customer. If the meter is found to be registering One Hundred Five Percent (105%) or greater, the \$50.00 testing fee shall be returned to the customer.

3.22 Special Work Fees

Any work undertaken by the Authority at the request of the customer, not covered by rates or fees specified elsewhere in these regulations shall be billed on a time and material basis. The charge shall include direct labor, overhead, supplies and materials and equipment rental fees. At the option of the Authority, an advance deposit equal to the estimated cost of the work may be required.

3.23 Damage Repair Fees

When property or facilities of the Authority are damaged, either through accidental or intentional acts, the person or persons responsible shall be charged for the total cost of repairs. The charges shall include direct labor, overhead, supplies and material and equipment rental fees expended by the Authority, in addition to the total cost of any outside contractors required to complete the repairs.

3.24 Service Deposit

The Authority shall retain the right, when deemed to be in the best interest of the Authority, to collect a deposit equal to the approximate quarterly charges for the unit served for either newly constructed units or existing units changing ownership.

3.25 Removal of Meter Seals

In the event a water service is shut off due to unauthorized removal of a seal without proper notification to the Authority, such service will be reconnected only after payment of the following fees:

- a. A Fifty Dollar (\$50.00) service fee for resealing the meter.
- b. The standard reconnection fee in effect at the time their service is reconnected.

3.3 SEWER RATES AND FEES

3.31 Sewer Permit Fees

Upon filing an application for a new sewer service, the following fee shall be due and payable by the applicant:

- a. The Standard Sewer Connection Fee for a new four inch (4") sewer service shall be determined by the Authority on a year to year basis.
- b. In cases where the sewer service line between the sewer main and the curb line or edge of cartway, will or has been installed by persons other than Authority personnel, and when it is unnecessary for Authority personnel to perform any work on the service line, the Standard Sewer Connection Fee required by Section 4 shall be waived. A permit fee of \$300.00 will be charged to offset the cost of the meter, inspection and administrative work.

3.32 Sewer Service Charges

The quarterly sewer rate for all customers shall be based on metered water usage and shall be as follows:

Base Service Charge	\$ 54.50
1,000-15,000 gallons	\$ 7.15 per thousand
16,000 gallons and over	\$ 10.55 per thousand

3.33 Disconnection Fee

- 1. In the event a service is discontinued in accordance with the provisions of Paragraph 2.25, a fee of Thirty (\$30.00) will be charged if performed during normal working hours.
- 2. If a request is made to temporarily discontinue service for any reason after normal business hours (Monday-Friday 8am-4pm) a service fee of Sixty (\$60.00) will be charged.

3.34 Reconnection Fee

1. In the event a service is reconnected in accordance with the provisions of Paragraph 2.26, a fee of Thirty (\$30.00) will be charged if performed during normal working hours.
2. If a request is made to temporarily discontinue service for any reason after normal business hours (Monday-Friday 8am-4pm) a service fee of Sixty (\$60.00) will be charged.

3.35 Special Sewer Service Charges

1. If a sewer service larger than four inches (4") is required, or if special or unusual conditions result in costs over and above the standard sewer connection fee, the applicant shall be required to pay the actual cost of installation over and above the standard connection fee. The additional cost shall include labor, overhead, material and supplies and equipment rental fees.
2. When an applicant desires an enlargement, relocation or alteration of an existing service, or where there is no main abutting the property, or where the main is not of adequate size, or where a special condition prevents feasible service, then the Authority may refuse service, or install the service and make a special charge equal to the cost of materials, equipment, labor and other expenses necessary to complete the work. This charge shall not be less than the standard connection fee.
3. When a charge equal to the cost of the installation is made, the applicant shall deposit with the Authority an amount equal to the estimated cost. After the installation of the service, the Authority will either refund the excess over the actual cost or make an additional charge if the estimate is less than actual cost.

4. Despite the fact that the Authority makes a special charge for special work, no customer against whom such a special charge was imposed shall be entitled to reimbursement or adjustment in the event that at some future time the Authority should permit additional customers to connect to such special work, unless such reimbursement or adjustment is specifically provided for in a written agreement or contract between the Authority and the customer.

3.4 GENERAL CONDITIONS RELATING TO SEWER CHARGES

3.41 Private Water Supplies

1. When a sewer customer uses water from a source other than the Authority, the quantity of sewage for billing purposes shall be determined by a water meter supplied by the Authority and installed on the customer's water supply sources. All plumbing alterations are at the sole cost of the customer.
2. The location and installation of the meter must be approved by the Authority.

3.42 Industrial Services

When an arrangement of water supply or sewer piping in an industrial or commercial establishment is so complex that, in the opinion of the Authority Manager or Engineer, it is not practical to determine the sewage flow as provided for in Section 3.41 above, then the Authority may require the installation, at the customer's expense, of a sewage flow meter or meters. Such meter or meters shall be maintained by the customer and shall be installed in a manner and at a location approved by the Authority.

3.43 Special Meter Readings

Authority personnel will read all special meters used for determining sewage flow during the regular quarterly meter reading periods.

3.44 Multiple Unit Sewer Services

Where a premise or building is divided into separate dwelling units, and where a premise is divided into separate stores, business or professional offices, or where a premise is divided into the combination of separate units, and served by a single water meter, then all sewer charges shall be computed on the total number of units served, i.e. the quarterly service charge multiplied by the number of units. The gallonage in each of the rate brackets set forth in Paragraph 3.32 shall be multiplied by the number of units to arrive at the proper rate.

3.45 Applicability of Other Provisions

These provisions where applicable apply equally to water as they do to sewer and vice versa.

SECTION IV – TAPPING FEES

4.0 GENERAL

1. All property owners who either desire or are required to make connections to the Authority's water and/or sewer systems shall pay tapping fees as set forth in this section IV. Tapping fees are payable in addition to other fees, rates and charges of the Authority, and shall be paid prior to connection to the Authority's system. The Authority has established several tapping fee districts depending on the cost of providing facilities into specific areas. Tapping fee districts, and the fees payable in each district, are listed in section 4.1 through 4.8, as well as the accompanying tapping fee maps.
2. All tapping fee calculations are based on service to a single family unit. Service to other than single family units are converted to equivalent dwelling units or EDUs. Assuming a single EDU will employ ¾ inch water service and one four (4) inch sewer service lines, customers requiring a greater supply of water will be assigned an approximate EDU rating based on the next higher integer value of the ratio of their water inlet pipe flow area to that of the ¾ inch pipe. The discharge into the sewer system will, in most cases, correspond directly to their water usage.

Tapping fees are comprised of the following components:

- a. Water Capacity: The capacity part includes cost of wells, treatment facilities, transmission lines, pumping and storage facilities and system interconnections.
- b. Water Distribution: The distribution part includes the cost of distribution mains, service mains and appurtenances and booster pumps.
- c. Fire Service: The fire service part includes the cost of pumping and storage facilities, fire service facilities and system interconnections.
- d. Sewer Capacity: Includes treatment (PWTA Plant Capacity) and conveyance facilities (interceptors).

- e. Sewer Collection: The collection part includes all facilities and projects that collect and transport sewage from the customer's property to the interceptors.
3. The Authority reserves the right to assess tapping fees in any manner the Authority believes to be appropriate for service inlets larger than $\frac{3}{4}$ inch, and for buildings occupied by more than a single tenant. For example, a customer that requires a $1\frac{1}{2}$ inch inlet pipe to meet projected water needs, and plans to discharge essentially all the bulk of that water into the sewer system will be charged to equivalent of four (4) EDUs for both water and sewer connections. Where building contain multiple dwelling units serviced through a single connection, each dwelling will be considered as a separate EDU for the purposes of establishing the Tapping Fee, unless waived by the Board of the Authority. Another customer may use water in their process and final product. A lower volume of the water consumed is eventually discharged into the sewer system. They may be assessed a higher EDU rating for water usage than for the sewer connection.

Perkasie Regional Authority Tapping Fee District Map



4.1 District No. 1

District No. 1 encompasses most of the Authority's service area. Water and sewer tapping fees for District No.1 are set forth in the following schedule(s):

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Water Fee Calculation Table	0.75	0.003606	1	\$1,585	\$3,370	\$4,955
	1	0.00545	2	\$3,170	\$6,740	\$9,910
	1.25	0.00853	3	\$4,755	\$10,110	\$14,865
	1.5	0.0123	4	\$6,340	\$13,480	\$19,820
	2	0.0218	7	\$11,095	\$23,590	\$34,685
	3	0.0492	16	\$25,360	\$53,920	\$79,280
	4	0.0872	29	\$45,965	\$97,730	\$143,695
	6	0.196	64	\$101,440	\$215,680	\$317,120
	8	0.349	114	\$180,690	\$384,180	\$564,870
	10	0.545	178	\$282,130	\$599,860	\$881,990
	12	0.785	256	\$405,760	\$862,720	\$1,268,480
	16	1.396	456	\$722,760	\$1,536,720	\$2,259,480

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Sewer Fee Calculation Table	0.75	0.003606	1	\$4,155	\$5,605	\$9,760
	1	0.00545	2	\$8,310	\$11,210	\$19,520
	1.25	0.00853	3	\$12,465	\$16,815	\$29,280
	1.5	0.0123	4	\$16,620	\$22,420	\$39,040
	2	0.0218	7	\$29,085	\$39,235	\$68,320
	3	0.0492	16	\$66,480	\$89,680	\$156,160
	4	0.0872	29	\$120,495	\$162,545	\$283,040
	6	0.196	64	\$265,920	\$358,720	\$624,640
	8	0.349	114	\$473,670	\$638,970	\$1,112,640
	10	0.545	178	\$739,590	\$997,690	\$1,737,280
	12	0.785	256	\$1,063,680	\$1,434,880	\$2,498,560
	16	1.396	456	\$1,894,680	\$2,555,880	\$4,450,560

Commencing in 2013, the Board directed Smart Devine to perform an analysis of its tapping fees. This analysis will be done yearly during the audit process. The results of that study and enabling Resolution 2014-01, and any later resolutions approving the tapping fee analysis, are included herein by reference.

Perkasie Regional Authority Tapping Fee District 1



4.2 District No. 2

District No. 2 encompasses the portion of the Authority's service area bounded roughly by Old Bethlehem Pike on the South, Schwenkmill road on the North, Grandview Avenue (a paper street) on the East and the area 1,000 feet west of Ridge Road as more accurately depicted on the map marked as Exhibit 1.

Current Water and Sewer Tapping Fees for District No. 2 are set forth in the following schedule(s):

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Water Fee Calculation Table	0.75	0.003606	1	\$1,585	\$4,985	\$6,570
	1	0.00545	2	\$3,170	\$9,970	\$13,140
	1.25	0.00853	3	\$4,755	\$14,955	\$19,710
	1.5	0.0123	4	\$6,340	\$19,940	\$26,280
	2	0.0218	7	\$11,095	\$34,895	\$45,990
	3	0.0492	16	\$25,360	\$79,760	\$105,120
	4	0.0872	29	\$45,965	\$144,565	\$190,530
	6	0.196	64	\$101,440	\$319,040	\$420,480
	8	0.349	114	\$180,690	\$568,290	\$748,980
	10	0.545	178	\$282,130	\$887,330	\$1,169,460
	12	0.785	256	\$405,760	\$1,276,160	\$1,681,920
	16	1.396	456	\$722,760	\$2,273,160	\$2,995,920

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Sewer Fee Calculation Table	0.75	0.003606	1	\$4,155	\$8,490	\$12,645
	1	0.00545	2	\$8,310	\$16,980	\$25,290
	1.25	0.00853	3	\$12,465	\$25,470	\$37,935
	1.5	0.0123	4	\$16,620	\$33,960	\$50,580
	2	0.0218	7	\$29,085	\$59,430	\$88,515
	3	0.0492	16	\$66,480	\$135,840	\$202,320
	4	0.0872	29	\$120,495	\$246,210	\$366,705
	6	0.196	64	\$265,920	\$543,360	\$809,280
	8	0.349	114	\$473,670	\$967,860	\$1,441,530
	10	0.545	178	\$739,590	\$1,511,220	\$2,250,810
	12	0.785	256	\$1,063,680	\$2,173,440	\$3,237,120
	16	1.396	456	\$1,894,680	\$3,871,440	\$5,766,120

Perkasie Regional Authority Tapping Fee District 2



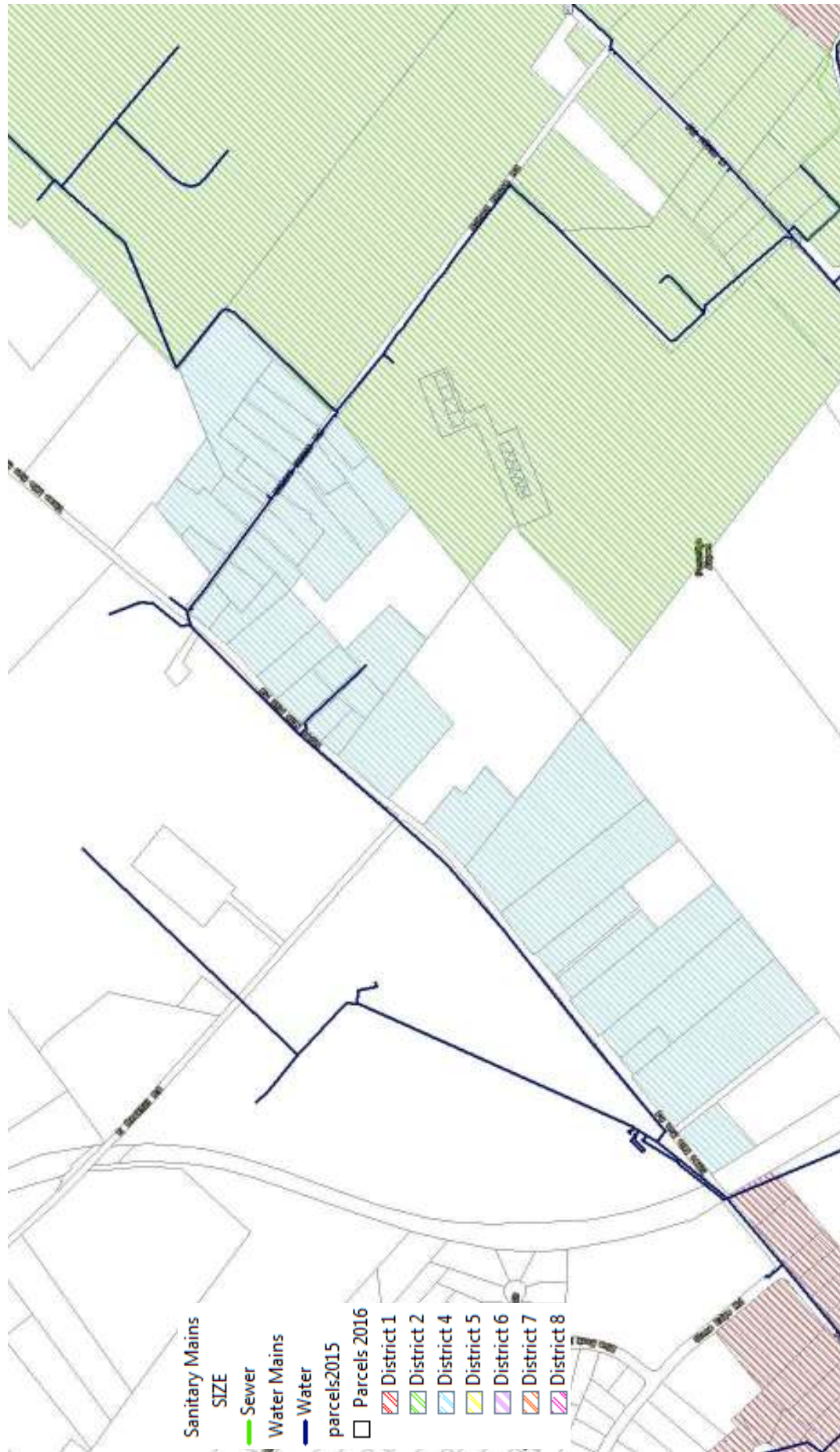
4.3 District No. 3

District No. 3 no longer exists and was incorporated into District No. 1 upon adoption of PBA Resolution 2011-2

4.4 District No. 4

District No. 4 is the area along Schoolhouse Road from the westerly line of the Penridge Airport west to Three Mile Run Road and south along Three Mile Run Road to the right of way and overpass of the Septa Railway. Homes existing along either of these roads prior to 2007 will be connected to the Authority's water system at no charge. This district was created to mitigate any impact from the Authority's pumping of Well No. 7.

Perkasie Regional Authority Tapping Fee District 4



4.5 District No. 5

District No. 5 extends on either side of West Schwenkmill Road from Deibler Elementary School west to Three Mile Run Road. The water tapping fee for this area is established by Resolution 2011-5 and are set forth in the following schedule:

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Water Fee Calculation Table	0.75	0.003606	1	\$1,585	\$5,945	\$7,530
	1	0.00545	2	\$3,170	\$11,890	\$15,060
	1.25	0.00853	3	\$4,755	\$17,835	\$22,590
	1.5	0.0123	4	\$6,340	\$23,780	\$30,120
	2	0.0218	7	\$11,095	\$41,615	\$52,710
	3	0.0492	16	\$25,360	\$95,120	\$120,480
	4	0.0872	29	\$45,965	\$172,405	\$218,370
	6	0.196	64	\$101,440	\$380,480	\$481,920
	8	0.349	114	\$180,690	\$677,730	\$858,420
	10	0.545	178	\$282,130	\$1,058,210	\$1,340,340
	12	0.785	256	\$405,760	\$1,521,920	\$1,927,680
	16	1.396	456	\$722,760	\$2,710,920	\$3,433,680

This District was established to provide public water to several residents who experienced loss of water in their private wells in 2010. This fee applies only to existing homes.

Perkasie Regional Authority Tapping Fee District 5



4.6 District No. 6

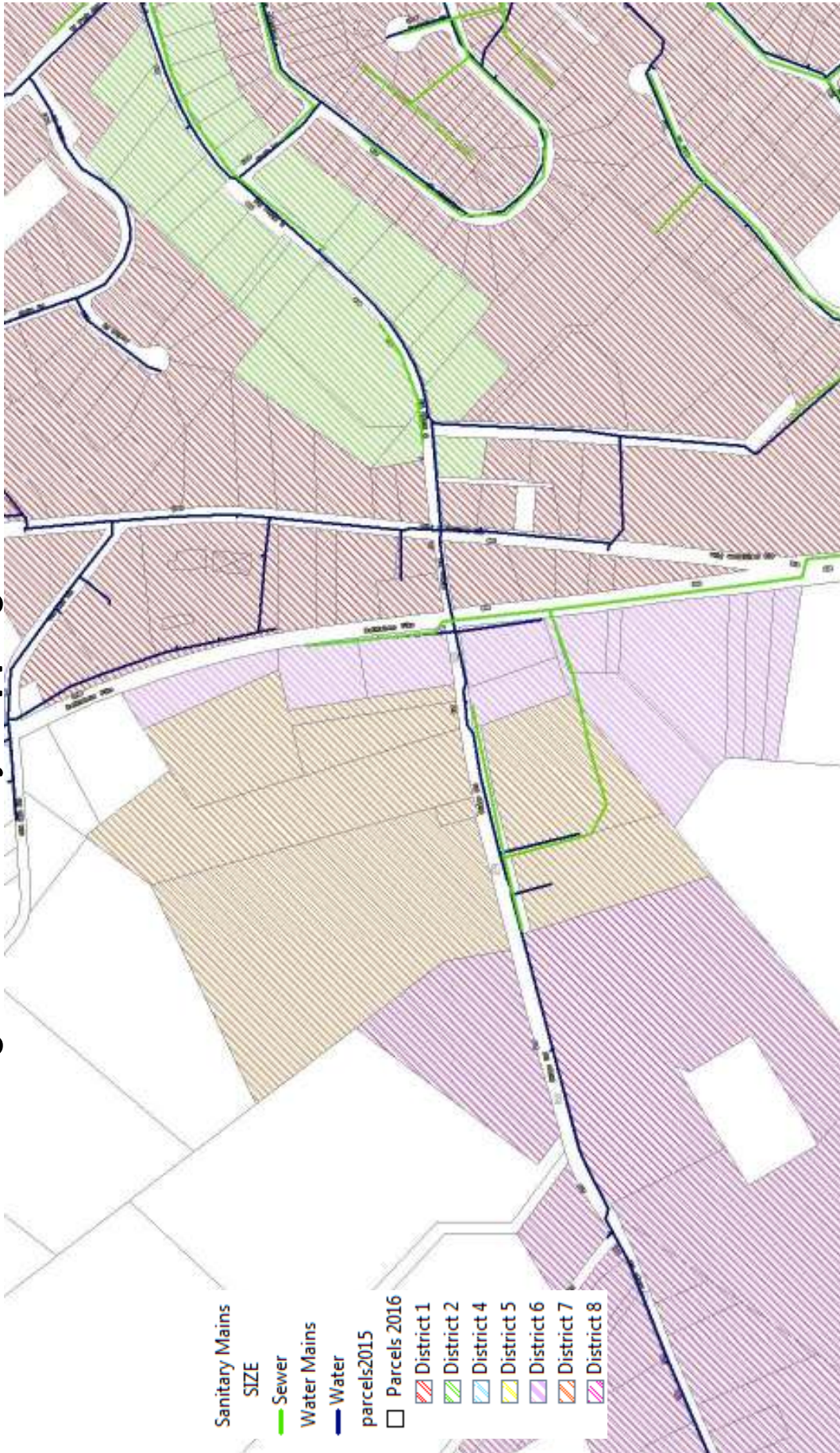
District No. 6 water tapping fees encompass Bethlehem Pike between tax map parcel 52-014-164, north to parcel 52-014-029-001. The water tapping fee for this area is established by Resolution 2016 – 0 and is set forth by the following schedule:

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Water Fee Calculation Table	0.75	0.003606	1	\$1,585	\$10,705	\$12,290
	1	0.00545	2	\$3,170	\$21,410	\$24,580
	1.25	0.00853	3	\$4,755	\$32,115	\$36,870
	1.5	0.0123	4	\$6,340	\$42,820	\$49,160
	2	0.0218	7	\$11,095	\$74,935	\$86,030
	3	0.0492	16	\$25,360	\$171,280	\$196,640
	4	0.0872	29	\$45,965	\$310,445	\$356,410
	6	0.196	64	\$101,440	\$685,120	\$786,560
	8	0.349	114	\$180,690	\$1,220,370	\$1,401,060
	10	0.545	178	\$282,130	\$1,905,490	\$2,187,620
	12	0.785	256	\$405,760	\$2,740,480	\$3,146,240
	16	1.396	456	\$722,760	\$4,881,480	\$5,604,240

District No. 6 sewer tapping fees encompass Bethlehem Pike between tax map parcel 52-014-136 north to parcel 52-014-029-001. The sewer tapping fee for this area is established by Resolution 2016 – 0 and is set forth by the following schedule:

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Sewer Fee Calculation Table	0.75	0.003606	1	\$4,155	\$14,740	\$18,895
	1	0.00545	2	\$8,310	\$29,480	\$37,790
	1.25	0.00853	3	\$12,465	\$44,220	\$56,685
	1.5	0.0123	4	\$16,620	\$58,960	\$75,580
	2	0.0218	7	\$29,085	\$103,180	\$132,265
	3	0.0492	16	\$66,480	\$235,840	\$302,320
	4	0.0872	29	\$120,495	\$427,460	\$547,955
	6	0.196	64	\$265,920	\$943,360	\$1,209,280
	8	0.349	114	\$473,670	\$1,680,360	\$2,154,030
	10	0.545	178	\$739,590	\$2,623,720	\$3,363,310
	12	0.785	256	\$1,063,680	\$3,773,440	\$4,837,120
	16	1.396	456	\$1,894,680	\$6,721,440	\$8,616,120

Perkasie Regional Authority Tapping Fee District 6 & 7



4.7 District No. 7

District No. 7 water and sewer tapping fees encompass the parcels between Bethlehem Pike and tax map parcel 52-14-129. All of the properties included in this district have connected to public water and sewer and all tapping fees have been paid. The costs of each connection are listed below for reference.

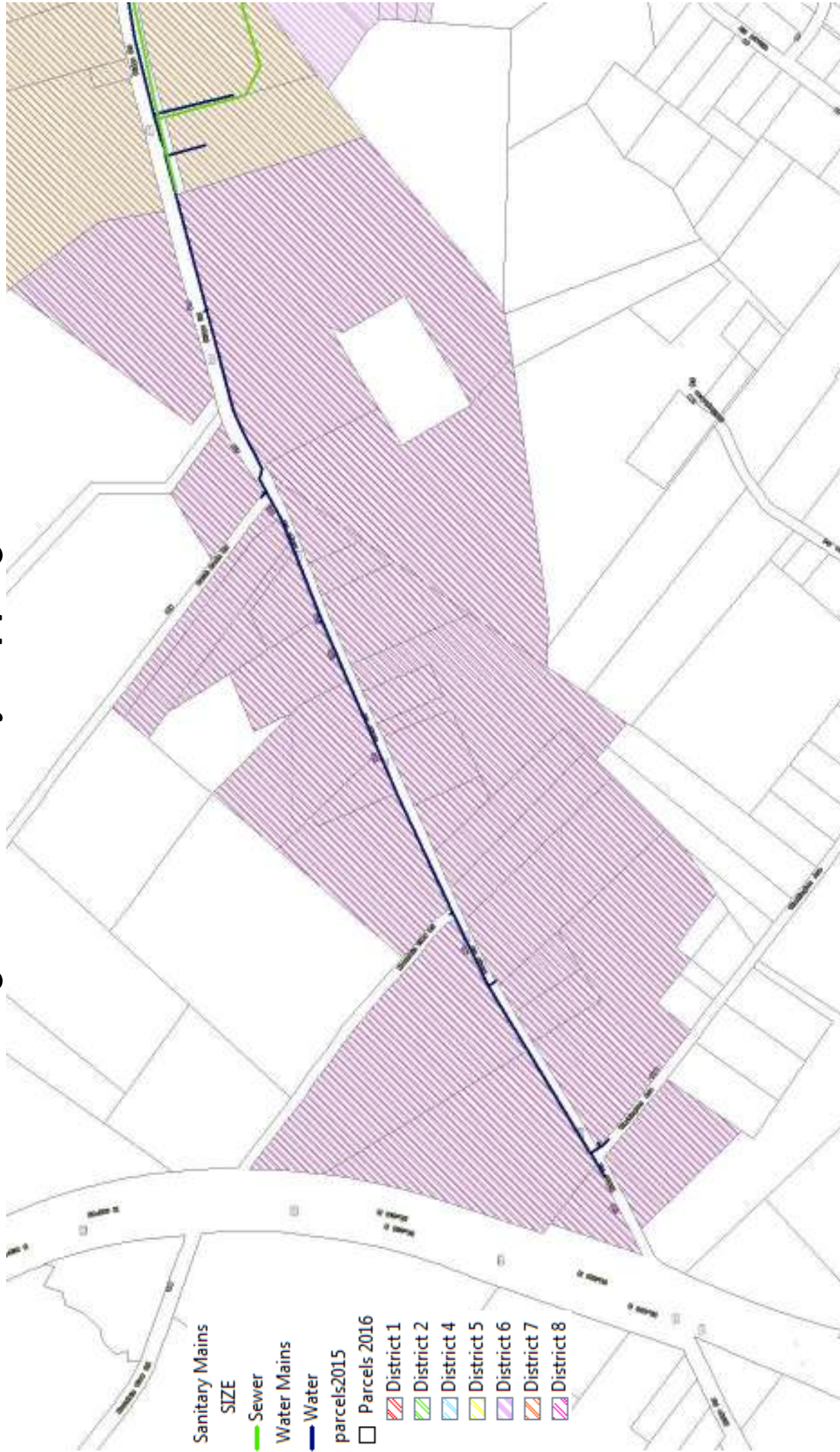
Water	\$7,260
Sewer	\$12,200

4.8 District No. 8

District No. 8 water tapping fees encompass Ridge Road from tax map parcel 52-14-129 west to Washington Avenue in West Rockhill Township. The water tapping fee for this area is established by Resolution 2015 - 01 and is set forth in the following schedule:

	Pipe Size	Area SQFT	Capacity EDUs	Capacity Component	Distribution Component	Rounded Total
Water Fee Calculation Table	0.75	0.003606	1	\$1,585	\$12,030	\$13,615
	1	0.00545	2	\$3,170	\$24,060	\$27,230
	1.25	0.00853	3	\$4,755	\$36,090	\$40,845
	1.5	0.0123	4	\$6,340	\$48,120	\$54,460
	2	0.0218	7	\$11,095	\$84,210	\$95,305
	3	0.0492	16	\$25,360	\$192,480	\$217,840
	4	0.0872	29	\$45,965	\$348,870	\$394,835
	6	0.196	64	\$101,440	\$769,920	\$871,360
	8	0.349	114	\$180,690	\$1,371,420	\$1,552,110
	10	0.545	178	\$282,130	\$2,141,340	\$2,423,470
	12	0.785	256	\$405,760	\$3,079,680	\$3,485,440
	16	1.396	456	\$722,760	\$5,485,680	\$6,208,440

Perkasie Regional Authority Tapping Fee District 8



SECTION V – PERKASIE REGIONAL AUTHORITY FEE SCHEDULE

5.0 FEE SCHEDULE

The Perkasio Regional Authority Fee Schedule references all fees and charges established by PRA Resolution 2016–1.

2016 PERKASIE REGIONAL AUTHORITY FEE SCHEDULE

For a more in depth description of charges please reference

PRA Resolution 2016-Draft, Establishing Rules, Regulations and Rates for Water and Sewer Service

Water Rate					
Minimum Charge					\$69.50 per quarter
Usage charge per thousand gallons					
	gallons 1,000-15,000				\$3.55 per thousand gallons
	gallons 16,000 and over				\$6.20 per thousand gallons
Sewer Rate					
Minimum Charge					\$54.50 per quarter
Usage charge per thousand gallons					
	gallons 1,000-15,000				\$7.15 per thousand gallons
	gallons 16,000 and over				\$10.55 per thousand gallons
Private Fire Protection Service Lines					
	Residential Sprinkler Systems				\$65.00 per year
	4 inch sprinkler service				\$200.00 per year
	6 inch sprinkler service				\$455.00 per year
	8 inch sprinkler service				\$810.00 per year
All sprinkler charges are billed in equal quarterly payments.					
Fire Service Fee for Customers Outside of Perkasia Borough					\$16.00 per year
All fire service charges are billed in equal quarterly payments.					
Penalty Fee for non-payment					10% after 20 days
All penalties will be calculated on the original quarterly charge.					additional 5% after 50 days
Door Posting Fee					additional 5% after 75 days
Insufficient Funds/Returned Check Charge					\$25.00
Disconnection Fee (non-repair related)					\$30.00
Disconnection fee after normal business hours (8-4/Monday-Friday)					\$60.00
Reconnection Fee (non-repair related)					\$30.00
Reconnection fee after normal business hours (8-4/Monday-Friday)					\$60.00
Certified Mailing Fee					\$10.00
Service Transfer Fee with Final Meter Reading					\$25.00
Certification fee for Settlements & Tenant In/Out					\$25.00
Municipal Lien (Filing/Satisfaction)					\$75.00
Meter Testing Fee					\$50.00
Damaged Meter Replacement Fee					\$300.00
Includes inspection of new installation.					
Any meter larger than 3/4" will be charged based on the current price of a new meter.					
Water Tapping Fees					
Standard Residential Service with 1 EDU(3/4" service)					
	District	Capacity Component	Distribution Component	Total	
	1	\$1,585.00	\$3,370.00	\$4,955.00	
	2	\$1,585.00	\$4,985.00	\$6,570.00	
	5	\$1,585.00	\$5,945.00	\$7,530.00	
	6	\$1,585.00	\$10,705.00	\$12,290.00	
	8	\$1,585.00	\$12,030.00	\$13,615.00	
Water Permit Fee					\$300.00
Includes cost of a new meter, administration and meter/water line inspection.					
Failed or No Show Inspection Fee					\$50.00
Sewer Tapping Fees					
Standard Residential Service with 1 EDU(4" service)					
	District	Capacity Component	Collection Component	Total	
	1	\$4,155.00	\$5,605.00	\$9,760.00	
	2	\$4,155.00	\$8,490.00	\$12,645.00	
	6	\$4,155.00	\$14,740.00	\$18,895.00	
Sewer Permit Fee					\$300.00
Includes cost of administration, sewer lateral air test and inspection.					
Failed or No Show Inspection Fee					\$50.00
Jet & Camera Truck Rental with 2 operators					\$250.00 per hour
3 hour minimum when outside PRA service area					
New Sewer Pipe Construction Inspection					\$1.00 per foot
250 foot minimum charge					
Sewer Lateral Inspection Fee					\$100.00
applies to PRA sewer customers only					