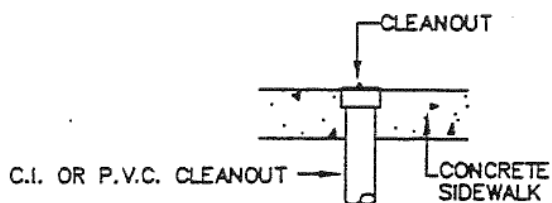
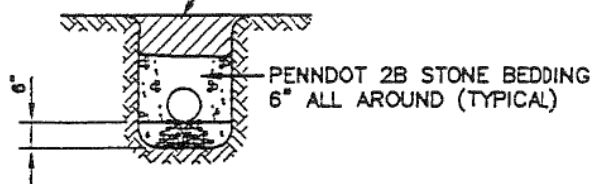


AUTHORITY DOES NOT
PROVIDE BASEMENT SERVICE



CLEANOUT AT CONCRETE SIDEWALK

CAREFULLY COMPACTED
SUITABLE BACKFILL MATERIAL



SEWER LATERAL
HOUSE CONNECTION DETAIL
NEW HOUSE
NOT TO SCALE

NEW HOUSE CONNECTION
PREPARED FOR:
PERKASIE BOROUGH AUTHORITY

ANDERSEN
ENGINEERING
ASSOCIATES
INCORPORATED
306 NORTH FIFTH STREET, PERKASIE, PA
(215) 257-5711

DSN BY:	P.C.A.
CHK BY:	P.C.A.
DATE:	4/04/96
DWG NO.	PBA-S014

SECTION II - SEWER SERVICE

2.0 ADMINISTRATION AND GENERAL

2.01 Applications for Sewer Service

- a. Applications for sewer service shall be completed by the property owner or his representative on forms available at the Authority Office. All fees and deposits specified in Section III of these regulations shall be due and payable upon acceptance of the application by the Authority.

2.02 Rates and Fees

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

2.03 Owner's Responsibility

- a. 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.

2.04 Inactive Sewer Service

- a. 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. The Authority reserves the right to review any reactivation and assess a reactivation fee equal to the base rate over the period the service was inactive for the equivalent existing tap size or a new tapping fee whichever is less.
- b. 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.
- c. 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.
- d. 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.

2.10 Service Locations

- a. 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.
- b. 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.
- c. 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.

2.11 Service Materials

- a. The service line of both the Authority and the customer shall be of the following types:
 1. Ductile iron pipe with watertight gaskets.
 2. Polyvinyl Chloride (PVC SDR 35) plastic sewer pipe and fittings, conforming to ASTM Specification D3034, with appropriate gasketed watertight joints.
- b. 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.

- c. The minimum size of the sewer pipe shall be four inches (4").
- d. 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.

2.12 Construction Details

- a. Refer to detail drawings numbers SL-1, SL-2, SL-3 or SL-4 as applicable, included herein by reference.
- b. Sewer Service Pipe:
 - 1. 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)
 - 2. 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.
 - 3. 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.

- c. Connection to the Authority's Sewer Lateral:
 - 1. 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.
- e. 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.
- f. Cleanout assemblies shall be installed at the direction of the Authority.
- g. 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.

2.13 Inspection and Testing Before Backfilling

- a. 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 b below. The purpose of the inspection shall be to ascertain the following:
 - 1. The lateral is constructed at the proper depth.
 - 2. Material of the prescribed type and quality is being used.
 - 3. Pipe bedding and pipe encasement is properly prepared and installed.
 - 4. The lateral construction and connection to the Authority's system is in conformance with Authority regulations.
 - 5. The backfill material on site is acceptable for use.
 - 6. Insure all joints are watertight and the pipe is free from any defects that would permit leakage.
- b. Inspection and testing of the facilities shall be required in accordance with the following schedule:
 - 1. 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 psig for five (5) minutes. Testing procedures conducted without the presence of any Authority representative will not be considered.

2. 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.
- c. 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.
- d. 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.

2.21 CONDITIONS FOR SEWER SERVICE

2.21 Type of Discharges

- a. 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.
- b. 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 relating to the Use of Public Sewers shall be incorporated into and become a part of these regulations by reference.

2.22 Elevation and Location

- a. The customer agrees to accept the elevation and location of all sewers as owned by the Authority and will, where necessary, install 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.

2.23 Special Waste Treatment

- a. 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 Pennridge 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.
- b. The industry may be required to enter into a special agreement with the Authority and with Pennridge Wastewater Treatment Authority regarding the pre-treatment of the waste.
- c. Permit applications, if required by either the Authority or Pennridge Wastewater Treatment Authority, shall be completed by the industry.

2.24 Single Premise Use

- a. 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.

2.25 Access to Authority Facilities on Customer's Property

- a. 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.
- b. 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.

2.26 Authority not Liable

- a. 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.
- b. The Authority shall not be liable for any damage or inconvenience caused by stoppages of the sewer lines.

