

SILVER SPRING TOWNSHIP AUTHORITY
Cumberland County, Pennsylvania

Resolution No. A-2004-08

A RESOLUTION OF THE BOARD OF THE SILVER SPRING
TOWNSHIP AUTHORITY ADOPTING STANDARDS FOR
SERVICE LATERALS, HOUSE CONNECTIONS AND
MOBILE HOME CONNECTIONS

WHEREAS, the Silver Spring Township Authority (the "Authority") has certain standards for the construction and installation of sewer laterals, house connections and mobile home connections; and

WHEREAS, in conjunction with the Pennsylvania Construction Code, P.L. 491, the Authority believes it to be appropriate to adopt such standards as set forth in a document entitled Service Laterals, House Connections and Mobile Home Connections, which is attached hereto and marked as Exhibit "A"; and

WHEREAS, the Authority believes it to be appropriate that in any and all circumstances where the above-referenced document does not address a particular situation or matter, the standards contained in the International Plumbing Code and the International Residential Code, as such are amended from time to time, shall control.

NOW, THEREFORE, the Board of the Silver Spring Township Authority hereby adopts, enacts and resolves as follows:

SECTION 1:

1. The document entitled Service Laterals, House Connections and Mobile Home Connections, attached hereto as Exhibit "A" (the "Standards") containing standards for the

construction and installation of service laterals, house connection and mobile home connections is hereby adopted.


2. In the event any situation or circumstance would arise in which the said Standards do not address such matter or situation, the then-current edition of the International Plumbing code and/or International Residential Code, as amended from time to time, shall control.

SECTION 2: This Resolution shall become effective immediately.


SECTION 3: In the event any provision, section, sentence, clause or part of this Resolution shall be held to be invalid, such invalidity shall not affect or impair any remaining provision, section, sentence, clause or part of this Resolution, it being the intent of this Authority that such remainder shall be and shall remain in full force and effect.

DULY ADOPTED AND ENACTED this 26th day of December, 2004, by the Board of the Silver Spring Township Authority in lawful public session duly assembled.

SILVER SPRING TOWNSHIP AUTHORITY

By 
Chairman

ATTEST:


Secretary

(Official Seal)

EXHIBIT "A"

SERVICE LATERALS, HOUSE CONNECTIONS AND MOBILE HOME CONNECTIONS

1. SUPERVISION

A permit shall be required to connect or disconnect a new customer to the existing sewer system. No sewer connections or disconnections shall be made except under permit after payment of such fee as established by resolution and under the supervision, control and approval of the Authority. Provisions of this section shall also apply for the connection of mobile home units. The permit shall be valid for one (1) year from the date of issuance and be renewable for a second year upon a showing that construction has in fact started and if construction has not started, the permit shall automatically lapse and it will be necessary for the owner and customer to repay the applicable fee and obtain a new permit. In all cases, the permit will automatically lapse two (2) years after issuance if construction is not completed and it will then be necessary for the owner and customer to repay the applicable fee and obtain a new permit. No sewage shall be discharged into the main collection lines, newly constructed service laterals, house connections and mobile home connections until written authorization to do so is granted by the Authority.

2. SERVICE LATERALS

Service laterals if not already installed shall be constructed according to the specifications of the Authority and of the materials hereinafter prescribed, from the collection sewer to the property line at the expense of the property owner. The landowner shall be responsible for obtaining all necessary permits in connection with the construction of service laterals. The Authority may assist the landowner, if necessary, with appropriate information in order to secure said permit.

Installation Requirements for Service Lateral Connections:

- A. The trench shall be excavated to proper depth to protect the pipe from crushing or freezing in as straight a line as possible to allow the pipe to be installed approximately in the center of the trench. The trench width shall be such as to provide a free working space on each side of the pipe as laid, but shall not exceed the outside diameter of the barrel of the pipe plus sixteen inches (16") at a point one foot (1') above the top of the pipe. Any mud shall be removed from the trench.
- B. A minimum of six inches (6") of bedding using ¼" limestone chips shall be placed in the trench graded to a minimum slope of ¼" per foot.

- C. Six inch (6") SDR 35 polyvinyl chloride (PVC) plastic pipe conforming to the current ASTM D3034 standard shall be carefully placed in the trench in the best possible alignment with a minimum uniform slope of ¼" per foot. All joints shall be the push-on type and shall be installed in accordance with the manufacturer's specifications. The service lateral shall terminate with a six-inch (6") tee outfitting at the right-of-way line capped and sealed to prevent infiltration.
- D. Before covering, the line will be visually inspected for proper alignment, approved fittings and checked for proper slope.
- E. The trench shall first be backfilled with ¼" limestone chips to a level height of six inches (6") minimum over the crown and around the pipe to the sides of the trench. Great care shall be exercised to obtain thorough compaction under the haunches and along the sides to the top of the pipe. The line is then ready to be air tested.
- F. The air test shall be made during construction and at the completion of work. The Contractor shall make tests as may be directed by the Authority Engineer or his authorized representative to ascertain if the pipe is properly aligned and the joints are tight. The Authority Engineer or his authorized representative will witness the test, and the Contractor shall furnish all apparatus required to perform the infiltration and exfiltration tests that may be deemed necessary; and shall pay all costs connected therewith. Defective work shall be repaired immediately at the owner's expense.
- G. The remaining portion of the opening shall then be backfilled and #2A modified or other material specified in the permit to the sub grade and compacted throughout its full width in layers not to exceed eight inches (8") if a tamper or whacker is used, or in layers not to exceed twelve inches (12") if approved vibratory compaction equipment is used. Permanent restoration of the street opening shall be in compliance with the Township's street opening and excavation ordinance.
- H. The Contractor or owner shall place a pressure treated wooden 2 x 4, painted green, from the invert elevation of the pipe and extending twenty-four inches (24") above the adjacent ground elevation.

3. HOUSE CONNECTIONS

House connections from the service lateral to the building shall be installed by the property owner at their expense according to the specifications of the Authority and of the materials hereinafter prescribed.

A. Responsibility for Maintenance, Repair or Replacement:

The service laterals and house connections leading from the building to the interceptor or collection sewer, even if such service laterals have been installed by the Authority, shall at all times be the responsibility of the person owning the property for maintenance, repair or replacement, subject to the right of inspection reserved by the Authority.

B. Installation Requirements for House Connections:

1. The trench shall be excavated to a proper depth to protect the pipe from crushing or freezing, in as straight a line possible to allow the pipe to be installed approximately in the center of the trench. The trench width shall be such as to provide a free working space on each side of the pipe as laid, but shall not exceed the outside diameter of the barrel of the pipe plus sixteen inches (16") at a point one foot (1') above the top of the pipe. Any mud shall be removed from the trench. Filled ground shall be tamped under the pipe at the foundation wall.
2. A minimum of six inches (6") of bedding using 1/4" limestone chips shall be placed in the trench and be graded to a minimum slope of 1/4" per foot.
3. Four inch (4") SDR 35 polyvinyl chloride (PVC) plastic pipe conforming to the current ASTM D3034 standard or four inch (4") Schedule 40 polyvinyl chloride (PVC) plastic pipe conforming to the current ASTM D2665 standard or other Authority-approved material shall be carefully placed in the trench in the best possible alignment with a minimum uniform slope of 1/4" per foot. The use of 90-degree 1/4 bends is prohibited. Change in direction shall be made with 45 degree 1/8 bends, wyes, 22 degree 1/16 bends or by a combination of these or equivalent fittings. The plug in the bell end of the SDR 35 PVC service lateral shall not be cut off unless authorized by the Authority Engineer or his designated representative. An approved adaptor shall be used between the SDR 35 PVC and schedule 40 PVC piping. Mechanical joints shall be installed in accordance with the manufacturer's specifications. When solvent cement is used the joints surfaces shall be clean and free from moisture before an approved primer is applied. The joint shall be made while the cement is wet. Pipes through the foundation wall shall be centered in a sleeved piece of six inch (6") PVC or equivalent equal to the thickness of the wall. The space between the sleeve and the pipe shall be fitted or tightly caulked with coal tar, asphalt compound or approved material. The transition between the six-inch (6") service lateral and the four-inch (4") house connection shall be made with an approved fitting.
4. Accessible clean outs are required every 75 linear feet between the main interceptor and the building. One (1) clean out shall be installed as close as possible to the transition fitting at the six inch (6") service lateral, not to exceed fifteen feet (15'). Clean outs may be required by the Authority Engineer or inspector when, in his opinion, they are necessary due to the number of fittings

used in the change of direction. Additional clean outs are also required where the change of direction is greater than 45 degrees. The clean out fitting shall be a combination four-inch (4") wye and 1/8 bend and installed to open in the direction of flow. The clean out fitting located as close as possible to the transition fitting may be a four-inch (4") sanitary tee. 90 Degree 1/4 bends may be used when installed at the base of a clean out riser. The top of the clean out riser shall terminate with a clean out adaptor and plug.

5. Before covering, the line will be visually inspected for proper alignment, approved fittings and checked for proper slope. The clean out risers shall be installed before air test.
6. The trench shall first be backfilled with 1/4" limestone chips to level height of six inches (6") minimum over the crown and around the pipe to the sides of the trench. Great care shall be exercised to obtain thorough compaction under the haunches and along the sides of the top of the pipe. The line is then ready to be air tested.
7. The air test shall be made when the Authority Engineer or inspector is present by attaching an air compressor testing apparatus to any suitable opening, and, after plugging the ends of the line with plugs properly designated to with stand the test, then forcing air into the line until there is stabilized gauge pressure of five (5) pounds per square inch (5 P.S.I.). This pressure shall be held without introduction of addition air for a period of least fifteen (15) minutes. The owner or contractor shall supply all testing equipment. At no time shall the air pressure exceed six P.S. I. Upon completion of the test the air plugs shall be removed.
8. The remaining portion of the trenching shall then be backfilled with clean earth free from rocks over six inches (6") in diameter. Fills should be rolled in, not dumped. Tamping is not required unless specified by the owner.
9. Final inspection by the Authority will be made when the work is completed. All outlets connected to the sanitary sewer will be counted and locations marked on the sewer connection permit and approval will be indicated on the Building Permit as well, if applicable.

4. MOBILE HOME CONNECTIONS

Mobile home park connections from the service connection lateral to be mobile home shall be installed by the property owner at their expense according to the specifications of the Authority and of the material hereinafter prescribed.

- A. The trench shall be excavated to a proper depth to protect the pipe from crushing or freezing in as straight a line as possible to allow the pipe to be installed approximately in the center of the trench. The trench width shall be such as to provide a free working space on each side of the pipe as laid, but shall not exceed the outside diameter of the barrel of the pipe plus sixteen inches (16") at a point one foot (1') above the top of the pipe. Any mud shall be removed from the trench.
- B. A minimum of six inches (6") of bedding using ¼" limestone chips shall be placed in the trench graded to a minimum slope of ¼" per foot.
- C. Eight-inch (8") SDR polyvinyl chloride (PVC) plastic pipe conforming to the current ASTM D3034 standard shall be used for the collection service laterals.
- D. Four-inch (4") SDR 35 polyvinyl chloride (PVC) plastics pipe conforming to the current ASTM D3034 standard of four inch (4") Schedule 40 polyvinyl chloride (PVC) plastic pipe conforming to the current ASTM D2665 standard shall be used for the mobile home lateral connection and sewer riser pipe. An approved adaptor shall be used between the SDR 35 and Schedule 40 PVC material.
- E. The mobile home connection pipe material shall be carefully placed in the trench in a straight alignment with a minimum uniform slope of ¼" per foot. The use of 90-degree ¼ bend is prohibited. A change in direction shall be made with 45 degree 1/8 bends, wyes, 22 degree 1/16 bends or by a combination of these or equivalent fittings. Mechanical joints shall be installed in accordance with manufacturer's specifications. When solvent cement is used, the joint surfaces shall be clean and free from moisture before an approved primer is applied. The joint shall be made while the cement is wet. The transition between the eight inch (8") service collection lateral and the four inch (4") mobile home lateral connection shall be made with an approved wye and shall be installed so as to discharge into the service connection lateral at a 45 degree angle above the centerline of the service connection lateral pipe.
- F. Each mobile home lot shall be provided with at least a four-inch (4") diameter sewer riser pipe. The sewer riser pipe shall be so located on each mobile home lot so that the sewer connection to the mobile home drain outlet will be approximately in a vertical position. Surface drainage shall be diverted away from the riser. The rim of the riser pipe shall extend at least six inches (6") above the adjacent ground elevation. The sewer riser pipe shall be capped with an approved fitting when a mobile home does not occupy the lot. The connection between the mobile home and the inlet of the sewer riser pipe shall be made with an approved elastomeric mechanical joint seal conforming to ASTM D3139 (Fernco or equal).

- G. Before covering, the line will be visually inspected for proper alignment, fittings and checked for proper slope.
- H. The trench shall first be backfilled with ¼" limestone chips to a level height of six inches (6") minimum over the crown and around the pipe to the sides of the trench. Great care shall be exercised to obtain thorough compaction under the haunches and along the sides to the top of the pipe. The line is then ready to be air tested.
- I. The air test shall be made when the Authority Engineer or inspector is present by attaching an air compressor testing apparatus to any suitable opening, and after plugging the ends of the line with plugs properly designated to withstand the test, then forcing the air into the line until there is a stabilized gauge pressure of five (5) pounds per square inch (5 P.S.I.). This pressure shall be held without introduction of additional air for a period of at least fifteen (15) minutes. The owner or contractor shall supply all testing equipment. At no time shall the air pressure exceed six (6) P.S.I. Upon completion of the test the air plugs shall be removed.
- J. The remaining portions of the trench shall then be backfilled with clean earth free from rocks over six inches (6") in diameter. Fill should be rolled in, not dumped. Tamping is not required unless specified by the owner.
- K. Final inspection by the Authority will be made when the mobile home is connected to the sewer riser pipe and the permit for the connection will be maintained at the Authority office.

5. CONNECTIONS TO MAIN AND SEPTIC TANKS

When connections to the main system are made where there is no existing Y-branch, then the connection must be made by the use of an approved wye fitting. The permit, materials and method of installation shall be examined by the Authority Engineer, his designee or other representative of the Authority, before the start of work and the entire installation will be inspected before the line is covered and connection made. Also, the existing septic tank must be pumped prior to exposing the influent line, which runs from the dwelling to the septic tank. The tank must then be decommissioned and backfilled with suitable material before final inspection and approval is made. After the work has been inspected and approved by the authorized representative of the Authority, the property owner will present his connection permit to the Authority Engineer or inspector who will make his approval by signing and inserting the date on the inspection permit. The Authority inspector shall then take the Authority's copy of the permit to the Authority Secretary or his or her designated representative for entering the approval on the official record.

6. REPAIRS, ALTERATIONS AND ADDITIONS

A permit must be obtained to install, repair or alter any service lateral or house connection. This permit shall be issued by the Authority's designated representative and shall be valid for a period not exceeding ninety (90) days. At the time of the issuance of such permit, the Authority shall collect a fee for such permit as designated by resolution.

7. SPECIFICATIONS FOR EXTENSIONS TO THE SANITARY SEWER SYSTEM

This section hereby incorporates by reference The Silver Spring Township Authority, Cumberland County, Pennsylvania, Standard Specifications for Construction of Sanitary Sewers and Appurtenances, as prepared by Pennoni Associates Inc., and makes it a part of Ordinance 85-7. Said specifications for the extensions of the sanitary sewerage system shall be amended from time to time by Resolution of the Authority of the Township of Silver Spring. To the extent that the specifications for extensions to the sanitary sewerage system conflict with any other provisions in the Code of Ordinances of the Township of Silver Spring, the specifications for extensions to the sanitary sewerage system shall take precedence and be followed.

8. DISCONNECTION

The Board of Supervisors and/or Authority shall have the right to close-up or disconnect from the sewer system, any service lateral, house connection or mobile home connection for the following reasons:

A. Rainwater, etc.

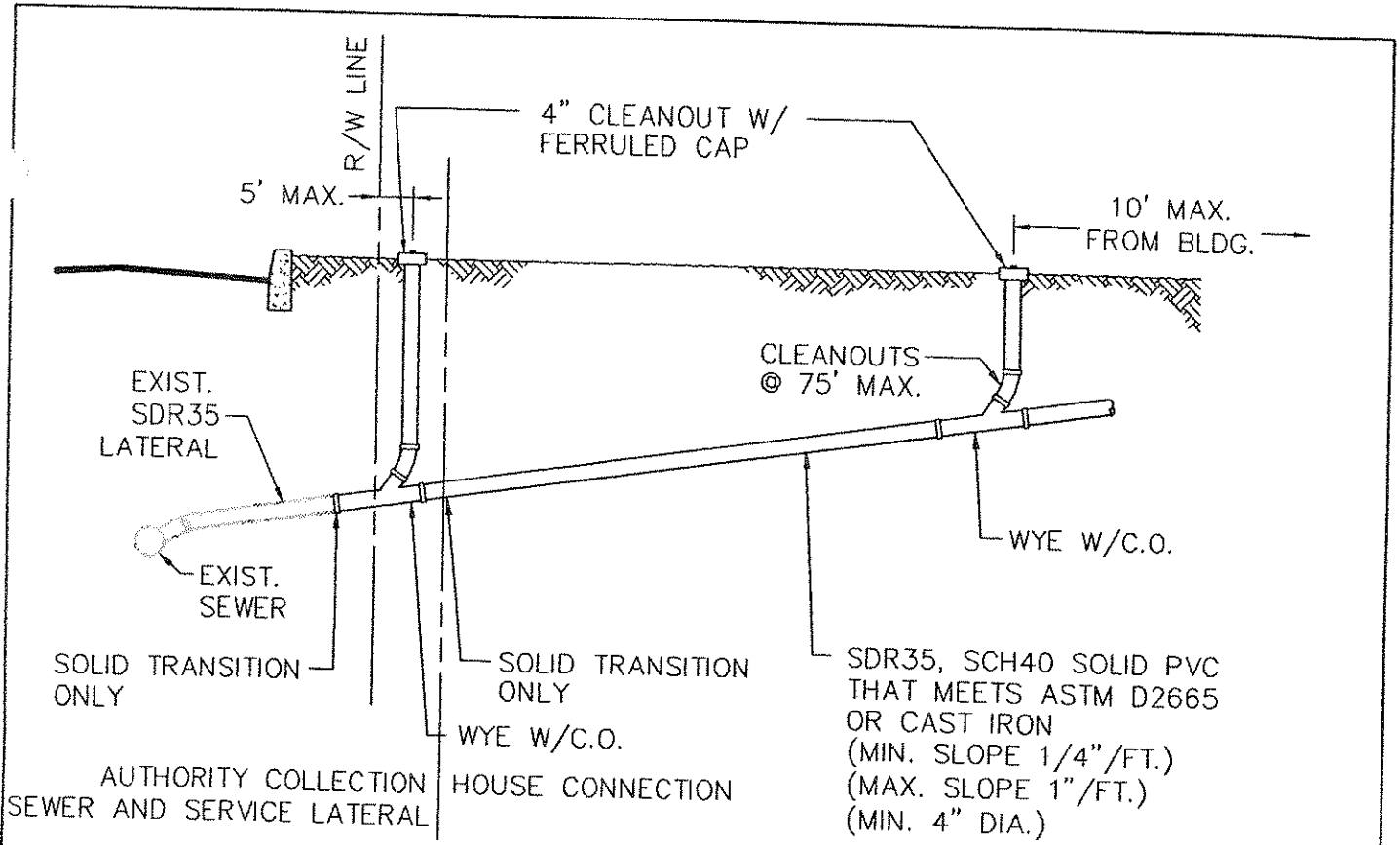
If lateral is used to convey rainwater, groundwater or objectionable matter.

B. Non-payment of Sewer Rents.

For non-payment of sewer rents as the same may be provided by the law.

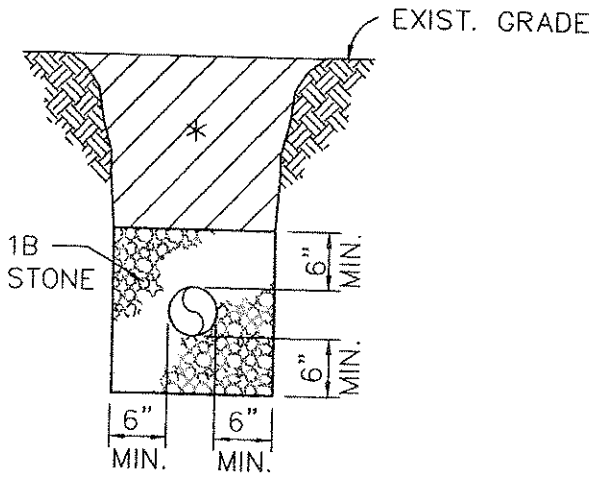
C. Other Violations.

For any other willful violation of the provisions of the Ordinance.



ELEVATION
TYPICAL LATERAL CONNECTION
FOR BUILDING SEWER

N.T.S.



BUILDING SEWER
BEDDING DETAIL

N.T.S.

* EARTH BACKFILL IN LANDSCAPE AREAS;
 COMPACTED 2A STONE BACKFILL,
 IN LIFTS, UNDER ALL PAVED AREAS

SILVER SPRING TOWNSHIP AUTHORITY	
TYPICAL LATERAL CONNECTION FOR BUILDING SEWER	
Pennoni Associates Inc. Consulting Engineers 431 Railroad Avenue Camp Hill, PA 17011-5602 (717) 975-6481	
NOT TO SCALE	DATE: JUNE, 2002
SHEET 6 OF 21	