

APPENDIX C

REQUIREMENTS FOR SANITARY SEWER SERVICE LINE AND SEWER SERVICE CONNECTION

Before you Dig - Pennsylvania Act 187, Underground Utility Line Protection Law of 1996
Requires You Call Pennsylvania One Call 1-800-242-1776

1. The following pages and referenced drawings present a concise summary of the procedures and requirements for obtaining sanitary sewer service and constructing the necessary lateral sewer lines and service connections.
 - a. An application, a copy of which is attached hereto, must be submitted promptly to the Authority for the purpose of requesting approval of a sewage service connection and the furnishing of sewage service. This application must be submitted prior to starting any work on the building sewer.

The application form shall be signed by the owner of the premises or his duly authorized agent, who may be a tenant, subject to the Authority exercising its right to require that the property owner act as guarantor for all bills rendered.

Additional application forms may be secured at the offices of Authority at 900 Presto Sygan Road, Monday through Friday from 8:00 a.m. to 4:30 p.m.

- b. The application with the required fee may be delivered to the Authority offices during the hours listed above or may be mailed to The Municipal Authority of the Township of South Fayette, 900 Presto Sygan Road, Bridgeville PA 15017. Information pertaining to the location of your connection point to the main sewer can be obtained from the Authority office upon receipt of your application.
 - c. An application and plumbing plan must also be submitted to the Allegheny County Health Department prior to starting work. The application may be obtained through the Division of Plumbing Inspection at the Health Department's Southwest District office located at 2121 Noblestown Road, Room 207, Pittsburgh PA 15205 (telephone: 412-922-6270).

The following is a summary of the more important requirements with regard to materials and installation. All materials and work shall be in accordance with the current requirements of the Authority, as well as the prevailing Plumbing Code and other such regulations of the Allegheny County Health Department not included in the Authority regulations.

2. General - Sewer Service Line shall include connection to Sewer Service Line, sight tee, running trap with fresh air vent, a grease trap where required, and connection to the building drain. Downspouts, rain conductors, driveway drains, area drains, or french drains shall not be connected to the Sewer Service Line.

An individual lateral sewer line must be installed for each premise (except under certain conditions as approved by both the Authority and the Health Department). For example, individual sewers are required for both sides of a double house, for each house in a row, for each of two or more homes on the same lot, and in such other instances. The new building sewer must be extended to a point of connection to the existing building sewer immediately outside the building wall and not more than five feet therefrom (conditions permitting), and the existing lateral sewer abandoned.

3. Abandonment of Existing On-Lot Systems – Upon connection to the public sewer system, the septic tank shall be removed in accordance with the Allegheny County Health Department Rules and Regulations. This includes removal and proper disposal of septic tank contents followed by collapsing and/or backfilling the septic tanks with suitable material.
4. Size - Residential - 4" minimum diameter pipe that is installed to a minimum slope of 1/4" per foot and cleanouts provided at intervals of not more than 50 feet 6" pipe required from sewer main through the sight tee. Non-Residential - 6" minimum diameter pipe that is installed to a minimum slope of 1/8" per foot and cleanouts provided at intervals of not more than 100 feet.

Larger pipe diameter may be required for certain industrial, commercial and public installations, as determined by the Authority.

5. Building drain - All sewers below building floors and 5 feet outside building shall be Schedule 40 Polyvinyl Chloride (PVC) or ABS. A running trap with vent shall be installed at the end of the building drain as shown on Standard Detail (SD) 25 & SD26. A clean-out shall be included on the downstream side of all traps installed below 4 feet in depth.

All pipe under the floor and passing through the floor shall be a minimum of 4" unless prior approval is granted by the Authority. The trap shall be installed at a minimum depth of 36". From the trap to the main line connection, the pipe shall be the same as listed above. Where possible, vent pipes and cleanouts shall not be located in driveways, carpaths, walkways or other finished surface areas. The vent cap shall be installed above grade to prevent the inflow of surface water into the sewer line. If inspection tees or cleanouts must be located in driveways, refer to SD-035 for required installation of a protective frame and cover.

Food preparation establishments and other establishments at the discretion of the Authority shall install grease traps of a style and size acceptable to the Authority and ACHD.

6. Materials - Lines shall be SDR 35 PVC Pipe (ASTM D-3034) with flexible elastomeric seals, or Schedule 40 PVC or ABS Pipe with solvent weld joints. SDR 35 PVC pipe to be used only downstream of the house trap. The trap must be Schedule 40 PVC/ABS pipe and have a one piece return bend.
7. Inspection (Sight) Tee – An inspection tee shall be required at the property line. No fittings that change the direction of the pipe that would obstruct view of the building sewer shall be permitted. Sight tee must be 6" x 6" x 6" tee with 6" vertical riser. A 4" x 6" eccentric reducer must be used upstream if reducing lateral to 4" diameter pipe.
8. Clean-Outs and Directional Changes - Clean-outs, consisting of a wye branch fitting, a curved fitting, riser pipe and a watertight cap are required at the interval listed above or at all directional changes greater than 45 degrees. No 90 degree bends shall be permitted except on an inside vertical end of run.
9. Adapters - Connections between the plain ends of different pipe material may be made with flexible banded couplings manufactured by Fernco, or approved equivalent, and may be used to connect pipe joints, reduce 6" pipe to 4" and connect the building drain to the running trap. If banded adapters are not available, non-banded adapters must be encased in concrete. Where possible, solid couplings should be used for pipe reductions or for joining plain ends of similar pipe types.
10. Installation - Installation of pipe must be done by qualified persons as set forth in Article XV - Plumbing Code of the Allegheny County Health Department. The owner of a single family dwelling unit may do his/her own work if said owner is an occupant of the dwelling, but still must obtain an ACHD permit for the work. Multi-residential dwellings and commercial establishments must be connected to the system by a registered master plumber. The installation shall be done in complete compliance with the current standards of the prevailing Occupational Safety and Health Act and any other pertinent regulations.

Before digging the trench, the installer should expose the lateral connection and the building drain. Trench width shall be kept to a minimum width and have uniform slope at an approved grade as near as possible at right angles to the street. Excavate all trenches at least 6" below the bottom of the pipe. Place an aggregate backfill, maximum of 3/4" gravel size, in the trench to grade of the pipe. Install the pipe keeping any gravel, dirt or water from entering the pipe. Place 6" of aggregate on top of the pipe ensuring uniform bedding to all sides of the pipe. The remainder of the trench may be backfilled with material from the original excavation if satisfactory. The sewer line trench shall have a minimum 3 feet horizontal separation and 18" vertical separation from other pipelines such as water service lines, gas lines, french drains or storm sewers.

11. Inspection - An Authority inspector must be present to visually inspect the installation prior to backfilling the sewer lateral trench. Absolutely no backfill or other cover shall be placed on the sewer until it has been inspected by both the Authority and the County. Contact the Authority office at 412-257-5100 (on weekdays when work is complete and ready for inspection but no later than 2:00 p.m.) and the County Plumbing Division (before 9:00 a.m. on the day of connection) at 412-922-6270.
12. Testing - A test tee shall be provided for this purpose as shown on SD 25 & SD 26 attached and in Appendix II. All lines shall be capped prior to inspection. The inspection shall consist of a hydrostatic test in accordance with ACHD requirements, a visual inspection of the pipe and the recording of pertinent information relating to the installation of the pipe. Inspection will not be scheduled until all Applications for Service have been submitted.
13. Final Connection - If a completed connection to the building drain is not made at the time of the installation of the building sewer, a temporary plug shall be inserted into the end of the lateral and shall not be removed until such time as the connection is made to the building drain and an Authority representative is present to visually inspect the final connection and backfilling of the trench.
14. Prohibited Uses - The Authority Rules and Regulations set forth in detail the prohibited uses of the sanitary sewer, as related to characteristics of wastes to be discharged into the sewer, and under no circumstances shall subsurface or surface waters be discharged into the building sewer. The connection of rain conductors, french drains and other non-sewage drainage facilities to the building sewers is absolutely prohibited, and the authority reserves the right to ascertain that such connections do not exist. All such illegal connections will be subject to such fines and penalties as set forth in the rules and regulations.
15. Grinder Pumps - Grinder pumps for individual sewer service to private properties are used only when gravity service is not available or is not a viable option. The grinder pump for this type of service is the E-1 Grinder Pump, Model GP 210, as manufactured by Environment One Corporation, or ACHD approved equal. The installation of the pump and its operation, maintenance, and power costs are not the responsibility of the Authority, but that of the property owner and shall be installed contingent upon ACHD approval.