# APPENDIX II

## SANITARY SEWER LATERAL
## AND
## SANITARY SEWER 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. General – Sanitary sewer lateral shall include connection to the public sewer, sight tee, test tee, clean-outs, running trap with fresh air vent, a grease trap where required, and connection to the building drain. Down-spouts, rain conductors, driveway drains, area drains, or french drains shall not be connected to the sanitary sewer lateral.

2. Size - Residential - 4" minimum diameter pipe that is installed to a minimum slope of 1/4" per foot. Non-Residential - 6" minimum diameter pipe that is installed to a minimum slope of 1/8" per foot.

3. Materials – The sanitary sewer lateral shall be Schedule 40 solid core PVC, except in the case of 6" pipe that may be SDR 35 or Schedule 40 solid core PVC. A running trap the same size as the sanitary sewer lateral with a vent pipe and plastic mushroom vent cap shall be installed no less than two (2) and no more than five (5) feet from the outer face of the outside wall. The pipe as it exits the building wall shall be installed at a minimum depth of 48". Vent pipes and clean-outs are not permitted to be located in driveways, cartpaths, walkways or other finished surface areas unless prior approval is granted by the Authority. The vent cap shall be installed 6" above grade to prevent the inflow of water into the sanitary sewer lateral.

   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. Sinks in food preparation areas of these establishments shall also have under-sink grease traps.

4. Clean-Outs and Directional Changes - Clean-outs, consisting of a wye branch fitting, a curved fitting, riser pipe and a watertight cap are required every 100 feet or at all directional changes greater than 45 degrees. No 90 degree bends shall be permitted. No exceptions.

5. Adapters - Approved adapters as manufactured by Fernco, Inc., or approved equivalent, may be used to connect pipe joints, reduce 6" pipe to 4" and connect the building drain to the running trap. All adapters shall be stainless steel shielded couplings with stainless steel clamps or must be encased in concrete.

6. Installation - Before digging the trench, the installer should expose the sanitary sewer connection and the building drain. Trench width shall be kept to a minimum width and have uniform slope as near as possible at right angles to the street. Excavate all trenches

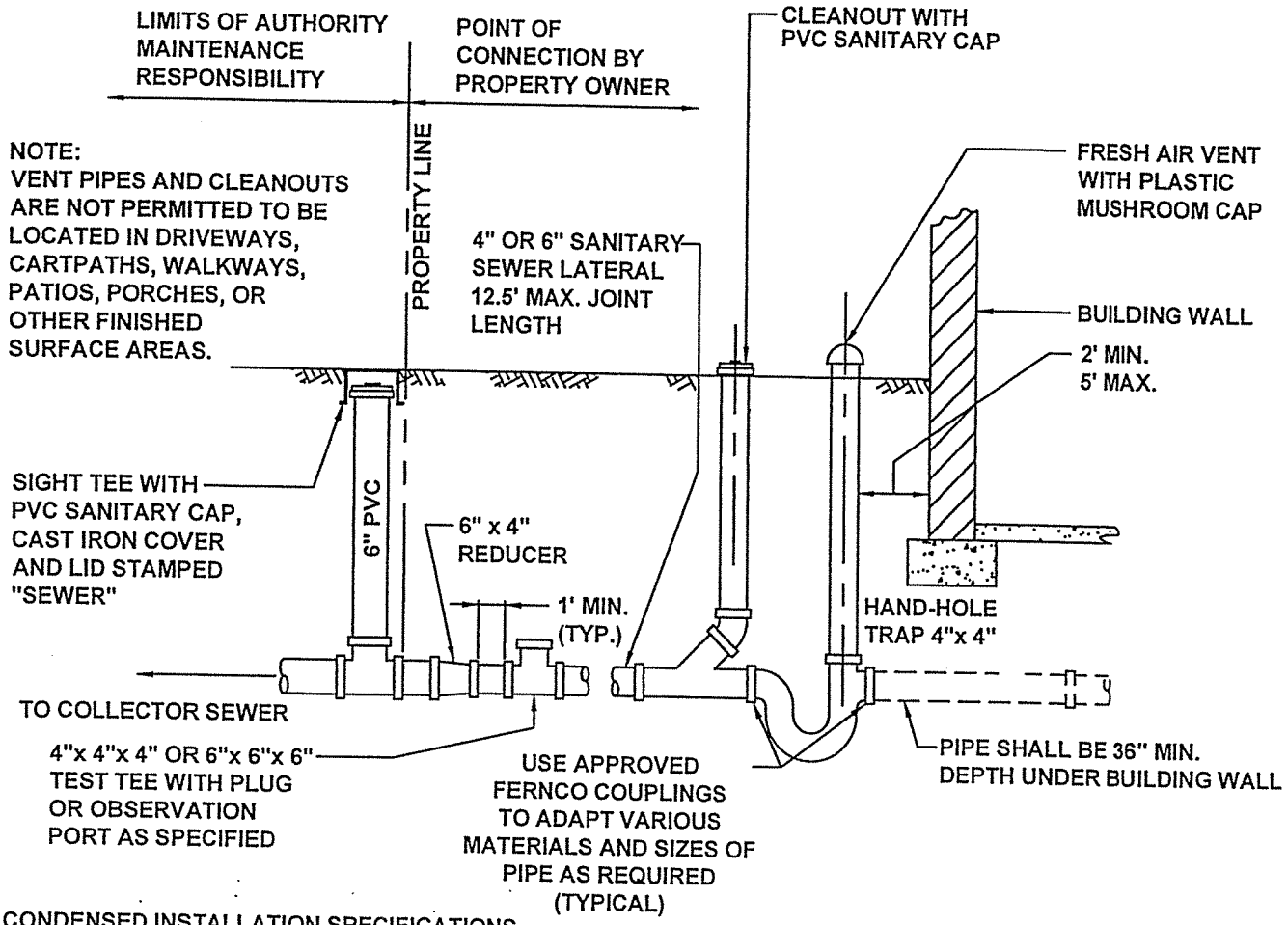
at least 6" below the bottom of the pipe. Place an aggregate backfill, maximum of 3/ gravel size (2B), in the trench to grade of the pipe. Install the pipe keeping any grav dirt or water from entering the pipe. Place 12" of 2B stone aggregate on top of the pi ensuring uniform bedding to all sides of the pipe. The remainder of the trench may backfilled with material from the original excavation. Any part of the trench that cross a traffic area must be filled to the level of the existing grade with aggregate such as modified. The sanitary sewer lateral trench shall have a minimum 3 feet horizon separation and 18" vertical separation from other pipelines such as water service lin gas lines, french drains or storm sewers. An Authority inspector must be present visually inspect the backfilling of the sanitary sewer lateral trench.

7. Inspection - The Authority shall be notified at least 24 hours prior to the inspection the building drain, sanitary sewer lateral and related appurtenances. The inspection sh be conducted prior to the connection to the trap, unless the building drain and the sanita sewer lateral are to be inspected at the same date, and prior to any backfilling. All lin shall be capped prior to inspection. The inspection shall consist of an air test of 5 lbs. f 5 minutes without any loss of pressure, or a hydrostatic test where no water is lost from filled sanitary sewer lateral for 5 minutes, a visual inspection of the pipe and t recording of pertinent information relating to the installation of the pipe. Inspection w not be scheduled until all Applications for Service have been submitted. If the sewer lin do not pass inspection, a fee will be levied and must be paid before re-inspection of t sanitary sewer lateral will be scheduled.

8. Final Connection - If a completed connection to the building drain is not made at t time of the installation of the sanitary sewer lateral, a temporary plug shall be solve welded into the end of the lateral and shall not be removed until such time as t connection is made to the building drain and an Authority Representative is present visually inspect the final connection and backfilling of the trench.

9. Final Inspection - Prior to the issuance of an Occupancy Permit by Rostraver Townshi the Authority will conduct a final inspection of the property to ensure that all sew facilities located within the property have been installed and maintained in accordan with Authority specifications. The Authority's inspector will complete and sign a Fin Inspection Form to be forwarded to Rostraver Township for their subsequent issuance the Occupancy Permit. Any deficiencies cited during the Final Inspection must l corrected prior to the Authority's release of the Final Inspection Form to Rostrav Township.

10. Grinder Pumps - Grinder pumps for individual sewer service to private properties a used only when gravity service is not available or is not a viable option. Tl recommended grinder pump for this type of service is the E/One Extreme Grinder Pum Model DH071, as manufactured by Environment One Corporation. The Authority wi accept all maintenance responsibilities for E/One grinder pumps pursuant to tl homeowner entering into a service agreement with the Authority. The installation of a pumps and their operation, maintenance (if not an E/One grinder), and power costs a not the responsibility of the Authority, but that of the property owner.

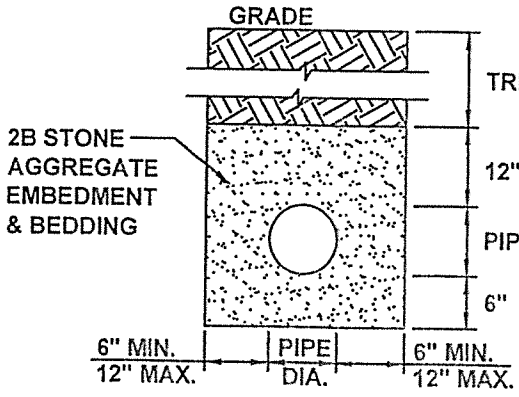



CONDENSED INSTALLATION SPECIFICATIONS

SANITARY SEWER LATERAL AND SANITARY SEWER SERVICE CONNECTIONS SHALL BE INSTALLED BY SKILLED WORKMEN AT THE COST OF THE CUSTOMER IN ACCORDANCE WITH APPENDIX II OF THE RULES AND REGULATIONS DETAILED SPECIFICATIONS OF THE AUTHORITY.

NOTE:

1. ALL PIPE SHALL BE 4" SCH. 40 SOLID CORE PVC OR 6" SCH. 40 SOLID CORE PVC OR SDR-35. SLOPE SHALL BE MIN. 1/4" PER FOOT FOR 4" LINE AND 1/8" PER FOOT SLOPE FOR 6" LINE.
2. CLEANOUTS ARE REQUIRED EVERY 100 FEET AND AT ALL DIRECTIONAL CHANGES GREATER THAN 45 DEGREES.




SEWER SERVICE LINE PIPE:
NOTE: ALL PVC MUST BE SOLID CORE

| MATERIAL | ASTM SPECIFICATIONS JOINT | | | ASTM SPEC. |
|---|---|---|---|---|
| 4" PVC | D-1875 | SCH-40 | SOLVENT WELD | D-2564 |
| 6" PVC | D-3034 | SDR-35 | ELASTOMERIC | D-3212 |

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| ROSTRAVER TOWNSHIP SEWAGE AUTHORITY 1744 Rostraver Road Belle Vernon, PA 15012 | | SERVICE CONNECTION TO SANITARY SEWER LATERAL FROM A NEW INSTALLATION |
| Not to scale | April 2013 | Standard Detail SD-028 |