

## **Municipal Authority of Bloomsburg**

### **S P E C I F I C A T I O N S**

for

Making Connections

with the

Town of Bloomsburg Sewers

1. Permission for connecting with the town sewers shall be granted by the Bloomsburg Municipal Authority Sanitation Department on application of the owners. Blank forms for applications will be furnished by the Municipal Authority.
2. Before commencing any phase of the construction for the connection, the plumbing contractor shall locate and expose the existing wye or stub provided to connect to the town sewer. No cap, stopper, or plug shall be removed or punctured until permission has been granted by an authorized town inspector. If no connection is provided, the contractor shall locate and expose the town sewer main at the point where the connection is to be made. He shall then verify that there is a  $\frac{1}{4}$  " per foot fall by obtaining the differential elevation. If the elevations are such that the connection cannot be made at  $\frac{1}{4}$  " per foot fall he shall contact the Municipal Authority Inspector for permission to install the line at a minimum grade of  $\frac{1}{8}$  " per foot fall. Under no circumstances is the trench between connections to be dug before it is ascertained that the minimum fall can be obtained. For a 6" I.D. pipe and larger, installation at  $\frac{1}{8}$  " per foot fall is acceptable without contacting the town inspector. This will be the minimum grade and will be used only if a fall of  $\frac{1}{4}$  " per foot is unattainable.
3. Connection lines between the sewer main and a point ten (10') feet outside the walls of the building shall be constructed under the supervision of the township inspector and/or such inspector as he may assign.
4. Connection shall be constructed in accordance with the rules and regulations of the BOCA Plumbing Code. From the lateral terminus to the building drain all installations shall be constructed of one of the following materials:
  - (a) Medium weight cast iron soil pipe conforming with ASTM A-74 with rubber ring compression joint, or no-hub neoprene gasket stainless steel shield joint.
  - (b) Vitrified Clay Sewer Pipe, C-200 EXT STR with o-ring gasket type joint.
  - (c) Solid wall ABS or PVC, SCH 40 with chemical welded joint made in accordance with the manufacturer's recommendations.
  - (d) SDR 35

5. Building sewers passing under any stream or creek shall be constructed of cast iron water main pipe Federal Specifications W.W.P. 421 Class 150 with mechanical joints. The connection shall be laid to a straight line and grade with a minimum grade of 1/4" to the foot; a minimum grade of 1/8" to the foot may be used with the permission of the town inspector. No bend shall be sharper than 1/8 bend. Whenever possible, 90' bends, or greater, shall be made with at least one straight length between 1/8 bends.
6. In all trenches (both earth and rock trenches), "First Class Bedding" shall be provided as a foundation for all pipe. The bedding material shall consist of crushed stone conforming to the Commonwealth of Pennsylvania Department of Transportation grading and quality requirements for No. 1B coarse aggregate. The crushed stone shall be placed on the bottom of the trench to a minimum depth of 4" and along the sides of the pipe to a depth of one-half the pipe diameter. A detailed description and drawing of "First Class Bedding" is contained in the Town regulations for the Standard Construction and Material Specifications for Sanitary Sewer Extensions.
7. No connection pipe shall be less than four (4") inches diameter.
8. No work shall be covered or concealed in any way until inspected and approved by the Town Inspector. Use of a new connection to the sewer system will not be permitted until after all piping from the point of connection at the building to connection at the Authority's system has been tested and has been proven satisfactory.
9. All connections to the town sewer must be made into the lateral or wye left for that purpose. Where no lateral or wye has been provided, the sewer shall be tapped with an opening to fit a 45% saddle and a cast iron clay or plastic wye saddle shall be applied to the opening; whichever is deemed necessary. The saddle shall be securely fastened by bolts supplied for that purpose and a rubber gasket. The pipe and saddle shall be completely encased with four (4") inches 2500 lb. concrete. When the opening into the pipe has been cut too large to fit the saddle, the pipe in the Town sewer must be replaced by a wye branch of the proper size. This construction must be inspected and approved by the Town inspector before the balance of the connection may be laid.
10. Water in the trench shall be removed by pumping or bailing and must be kept away from any mortar or concrete work until it has thoroughly set. If water is encountered, no less than six (6") inches of bank run gravel shall be used as foundation for the pipe.
11. No old drain shall be used until approved.
12. Whenever a wye branch has been broken while removing its cap preparatory to making a connection, the protruding branch must be repaired or replaced and inspected by the Town. When an existing lateral stub is broken, the broken end must be cut square and fitted with a duplex coupling or that section of pipe must be replaced.

13. No spring, storm or surface water of any nature whatsoever shall be allowed to enter the sanitary sewer system. If for any reason construction is delayed or stopped, the pipe connected to the sewer main must be capped with a waterproof cap.
14. When the sewer connection line has been approved by the town inspector and the joints have set properly, the line may be backfilled. Loose earth free of stones shall be carefully hand-tamped around the pipe to a distance of six (6") inches over the pipe. Coarser material free of stones may then be backfilled and tamped by hand or machine in layers of about six (6") inches to a point two (2') feet above the top of the pipe.
15. When the sewer connection crosses a driveway or walkway, backfill shall be thoroughly tamped by hand or machine in the trench from a point two (2') feet above the sewer to the top of the trench, or may be puddled by placing the backfill material in water in the trench in such a manner and quantity that the material becomes thoroughly wetted and the water level at all times is kept above the level of the backfill.
16. No repairs, alterations or additions to any connection to the town sewer may be made until application has been made to the Sanitation Department and permission is granted.
17. No sewer connection pipe shall be reduced in size between the house and the sewer.
18. Each connection to the sewer must be made within the owner's property lines.
19. In making connection with a line from a building to a public sewer, the new connection to the sewer shall not be placed through the cesspool, but must be placed on solid ground outside the cesspool excavation area.
20. Debris. Remove within twenty-four (24) hours, any earth, stone or debris which may have been stored in the sidewalk area, the cartway or the road while making the sewer connection.
21. Any cement sidewalk that has been removed for the purpose of making a sewer connection must be replaced within forty-eight (48) hours from the time the installation has been approved.
22. Water-plug waterproofing shall be used as a caulking agent at reduction coupling to lateral T.
23. All connections to the lateral stubs will be made with an adapter as required by the town.
24. Any connection that is in violation of these specifications or of any other part of the BOCA Plumbing Code shall be relayed in the proper manner at the expense of the plumbing contractor.