

Sewer and Water Connections

Make a request in writing to the Municipal Authority to obtain sewer and water taps.

After approval follow the instructions in this packet.

Tap in fees must be paid before tap can be made, \$2,000 for each.

Some Sanitary Sewer and Water Information

Gravity flow sewer: Use 4-inch SDR-35 or Schedule 40 pipe. Install with an absolute minimum of 1/8 – inch per foot of run fall. Note: ¼ to ½ inch of fall per foot of run is better.

If a sewer pump is required: The E-1 Pump (Environment One) and related infrastructure for pumping residential sanitary sewage complies with the requirements of The Municipal Authority of the Borough of Berlin. The pump is available through:

Trumbold Equipment Company
310 Clay Avenue
Mars, PA 16046

Dave Bennett, Sales Representative
724-625-4260

Dave said the pipe is to be no more than 53” below grade. If it is deeper, the cost increases. Ask Dave for the current cost of An Environment One residential grinder pump.

Ask Dave the type and size of pipe he recommends using from the pump to the curb stop.

Water Connection Information:

Pipe Materials: K Copper or PVC, ¾-inch minimum.

If PVC: ¾” CTS Oil Creek Aqua-Jet Tubing AWWA C901-96 PE-3408 ASTM D2737 NSF-PW SDR-9 200 psi @ 73 degrees F C3 15 Titusville, PA

If K Copper, minimum of 4-foot bury.

If PVC, minimum of 5 1/2-foot bury. Note: Water frozen in a PVC pipe cannot be thawed.

Sanitary sewer and water pipe must be bedded in material that does not have sharp edges of rock or stone (sand or dust is acceptable).

NOTE: Payment for water and sanitary sewer taps must be made to The Municipal Authority of the Borough of Berlin prior to taps being made. A sanitary sewer tap/connection fee is currently \$2,000. A ¾” water tap/connection is currently \$2,000. Larger size water tap is \$2,000, plus the actual cost of materials above and beyond that required for ¾”.

If there is no basement, or if the structure is a considerable distance from the water main line, a water meter pit, with components, will be required at the customer’s cost. The pit would need to contain a meter hanger, a backflow preventer, a shut-off valve, and possibly a pressure reducer. The Municipal Authority provides the water meter – the cost of which is included in the tap/connection fee. If there is a basement, and it is a reasonable distance from the water main line, then the components would be installed on the water line in the basement.

The Municipal Authority of the Borough of Berlin

700 North Street
Berlin, PA 15530
Telephone: 814-267-3837
Fax: 814-267-3017

SANITARY SEWER (GRAVITY) LINE CONSTRUCTION

MATERIAL REQUIREMENTS, RECOMMENDATIONS, AND SPECIFICATIONS

Materials

The materials used from the point beginning at the curb of the property to a point at the interior of the structure requiring the sanitary sewer connection must be at least 4-inch diameter, ASTM 3034 SDR 35, or schedule 40 slip-joint pipe. The Municipal Authority of the Borough of Berlin will provide the conveyance pipe from the curb to the main line and make the tap/connection in consideration of the prevailing tap-in/connection fee.

Installation

The sanitary sewer conveyance pipe must be installed at no less than 1/8-inch drop per foot of run from the structure to the curb. It is recommended that the property owner check the depth of the main sanitary sewer line into which the sewer connection is desired prior to digging the trench. It is the responsibility of the property owner to meet the elevation of the Municipal Authority's main sanitary sewer line. It is highly recommended that the sanitary sewer tap be made on the main line prior to site construction so that the actual depth of the main is established and the amount of fall can be determined in advance. Municipal Authority regulations require the installation of an outside vented trap of 4 inches or greater adjacent to the structure on all new or replacement sanitary sewer line construction. Furthermore, Municipal Authority regulations require the installation of a clean-out (minimum of 4 inches) adjacent to the curb.

Cost

All costs for materials, trenching, outside vented traps, clean-outs, etc. from the curb to the structure are the responsibility of the property owner. The tap-in/connection fee must be paid to The Municipal Authority of the Borough of Berlin at the above address prior to the making of the tap and/or connection.

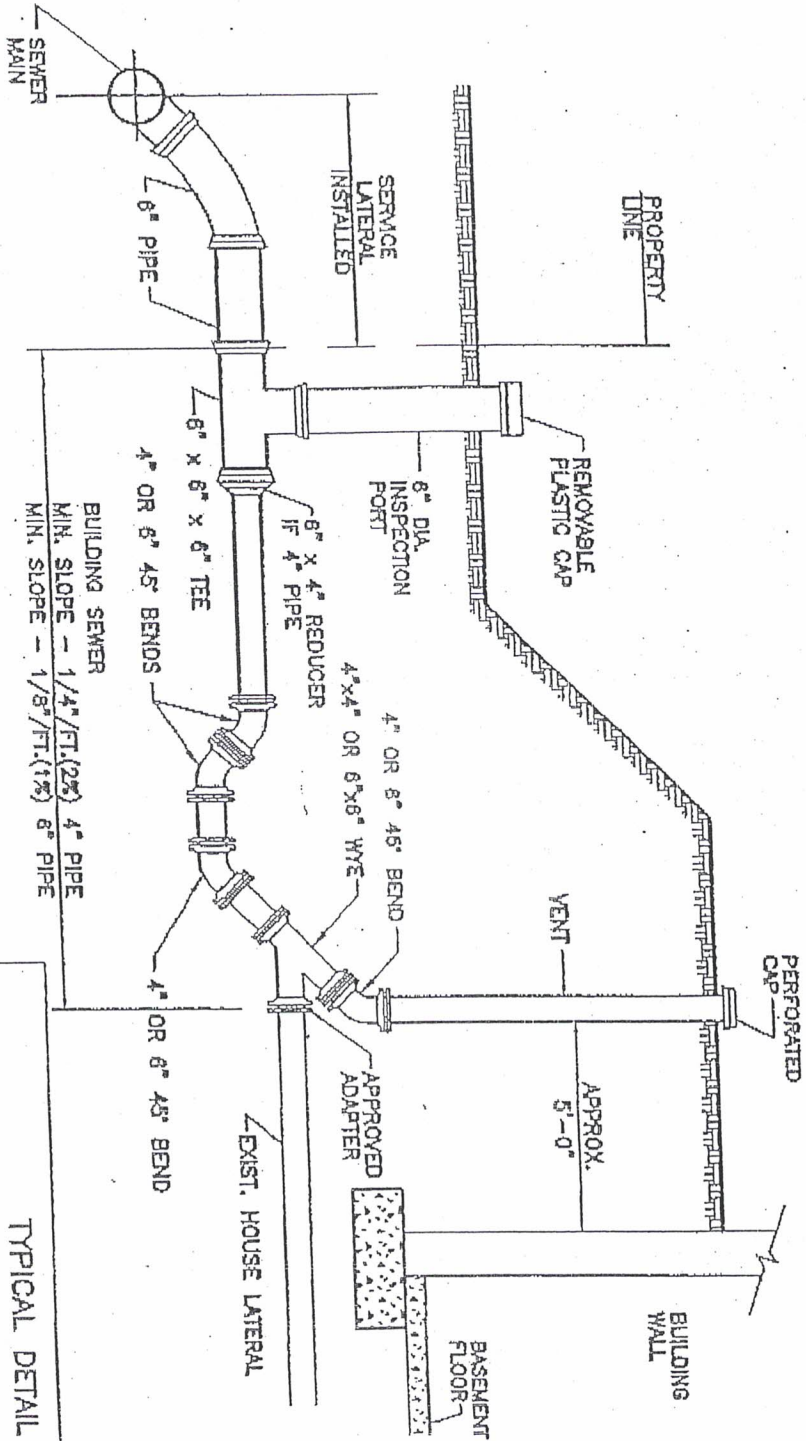
Inspection

All lines must be inspected by the designated Municipal Authority Inspector or his/her designee prior to the closing of the trench and the covering of the sanitary sewer line.

Miscellaneous

If no main sanitary sewer line exists along the property where the tap/connection is desired, contact the Municipal Authority Office at 814-267-3837 to receive information regarding sanitary sewer line extensions.

Just for design, pipe measurements incorrect.



TYPICAL SEWER CONNECTION
N.T.S.

TYPICAL DETAIL
SERVICE CONNECTION TO
SANITARY SEWER

BERLIN MUNICIPAL WATER SYSTEM
Borough of Berlin
700 North Street
Berlin, PA 15530

WATER LINE CONSTRUCTION

MATERIAL REQUIREMENTS & SPECIFICATIONS

Materials

The material used from the point beginning at the curb of the property line to a point at the interior of the structure requiring the water connection must be at least 3/4 inch K copper, and all fittings must be flared copper fittings. Soldered or glued underground connections are prohibited. It is mandatory that a foot valve be installed by the customer on the water line serving the premises. The Borough will provide the materials from the curb to the main line and make the connection in consideration of the prevailing tap-in fee. The Borough will provide the water meter.

Installation

The water line must be installed at a depth of no less than 4 feet. A shut-off valve must be placed on the service line on the Borough's side of the water meter. All customers desiring a meter connection at the curb must use a frost-proof meter box provided on a cost basis to the customer. Any in-ground meter must also be placed in a frost-proof meter box provided on a cost basis to the customer.

Cost

All costs for materials, trenching, etc. from the curb to the structure are the responsibility of the property owner. As previously indicated, the prevailing tap-in fee is charged for the connection into the main line, and must be paid to the above address prior to the tap/connection into the Municipal Water System.

Inspection

All lines must be inspected by the designated Borough Inspector prior to the closing of the trench and covering of the water line.

Miscellaneous

If no main line exists along the property where the tap is desired, refer to the procedures outlined in Ordinance No. 218 and Ordinance No. 238 providing for water line extensions.

If there are any questions, contact the Berlin Borough Office at (814) 267-3837.