

DERRY TOWNSHIP MUNICIPAL AUTHORITY

PO Box 250, 5760 Route 982

RULES AND REGULATIONS

Condensed for General Use

The following are the Derry Township Municipal Authority's Rules, Regulations and Requirements for the construction of service sewers or laterals. Please read them carefully and share them with your contractor before beginning construction of your service sewer. Not all of the Rules and regulations are included, but only those that may be of guidance to a property owner in making sanitary sewer connection to the Authority's system. In the event of any conflict between the condensed version form of the Rules and Regulations as adopted by the Authority, the said complete Rules and Regulations shall control. Complete full copies may be viewed at the Authority offices or may be purchased for \$ 5.00.

General Regulations

1. Upon completion of the sanitary sewer system construction by the Authority, including the completion of the construction of the main sewer line and the sewer lateral to an individual property, an individual whose property abuts the system will be directed to connect to the sanitary sewer system within 60 days as required by the ordinances adopted by the Borough/Township. If the connection cannot be completed within the 60-day period for good cause, the property owner may apply to the Authority for an extension of time. Application for late connection shall include an agreement on the part of the applicant to agree to commence paying the regular monthly sewer rate immediately regardless of physical connection. Written notice of connection and application for connection shall be provided to the property owner by the Authority. Failure to connect shall, upon conviction before a magistrate, will result in a fine or penalty. The tap fee of \$1,500 will be due and payable at the time of connection, no connections will be permitted until payment has been made.
2. If new construction, a 6-inch pipe connection from the public sewer has been provided for each existing structure requiring connection to the public sanitary sewer. Only those structures existing at the time of the sewer line being installed will be provided a sewer connection. For all other connections or property owners of subsequently existing structures will be required, at their expense, to install their own connection with an Authority approved contractor. The approximate depth and location will be provided by the Authority. Unless written permission is obtained from the Authority, a separate connection, and applicable tap or connection fee, will be required for each individual occupied building, whether constructed as a detached or a joined structure. A single connection for the appropriate number of actual units served (EDU) will be permitted for service to a school, factory, apartment house or other permanent multiple unit structure, whose individual apartments or units are not separately owned. When the Authority determines that it is impractical to provide separate connections, a single connection may serve more than one individual occupied building. In either case, tap fees will be assessed on the number of EDUs for the unit served regardless of the number of physical connections.

Installation Requirements

1. Material: The pipe will be Polyvinyl Chloride (PVC) plastic sewer pipe having a rubber "O" ring joint only. [ASTMD SDR-35] with a minimum diameter of four (4") inches, multiple or high volume units will be required six (6") inch diameter. Joints must be lubricated with approved soap lubricant. NO petroleum based greases are permitted. Where pipes or fittings of two different materials and sizes are being used, Authority approved special transition fittings should be installed to assure a watertight joint and smooth flow line from one pipe to the other. All joints must be watertight. All sewer line runs will be laid straight, any change in direction shall be made with pipe fittings not exceeding forty-five (45°) degrees. Where a ninety (90°) degree turn is required, two (2) forty-five (45°) degree fittings with a minimum of one (1') foot nipple between the fittings are required.
2. Cleanouts, Inspection Stacks, Traps and Air Vents: A combination clean-out pipe must be installed a maximum of five (5') feet from the outside of the building, if possible. Note that if interference exists this distance can be extended with prior written permission of the Authority. The interference must be a permanent structure, this does not include landscaping. The vertical surfaces of the plug must be drilled with four [4] holes with a minimum diameter of quarter inch [$\frac{1}{4}$ "] to allow for venting. A trap must be installed adjacent to the combination cleanout-vent pipe as shown and detailed on the attached drawings. A cleanout will be installed every one-hundred (100') feet and at every change of direction and must have a watertight screw-type ferrule or plug. The inspection stack and cleanouts must extend a minimum of twelve (12") inches above the settled ground surface. If the inspection stack or cleanout is in the vicinity of vehicular traffic, then they must be protected from damage by a permanent rigid structure (i.e. chimney block, cast iron pipe, etc.).
3. Grade: The minimum pipe grade or slope is one (1%) percent, which is approximately one-eighth (1/8") inch per lineal foot for six (6") inch pipe and two (2%) percent which is approximately one-quarter (1/4") inch per lineal

foot for four (4") inch pipe. The end of the Authority sewer and the exit location of the building sewer be located and measured to determine that the minimum slope is met.

4. Pipe installation: Lay pipe from the tap or lateral near property line, beginning with inspection stack, proceeding up grade to near the point of connection to the building drain. A minimum of four inches [4"] of bedding of gravel, crushed stone or slag, no larger than No. 2B aggregate, is required underneath the pipe as on the drawings. The inspection stack shall be constructed with watertight joints as noted above and in accordance with the drawings. The screw-type cleanout plug, which must be removable for visual inspection of the building sewer, must be installed on the top of the inspection stack. The stack must be vertical so that visual inspection can be completed. Pipes must be laid with the hub end up-grade, spigot ends fully engaged into adjacent hubs, and true to line and grade. Each section of pipe shall rest upon the pipe bed for the full length of its barrel with recesses excavated to accommodate bells or couplings. Each pipe shall be firmly held in position so that the invert forms a continuous grade with the invert of the pipe previously placed. The interior of all pipe and the inside of the bell and outside of the spigot shall be thoroughly cleaned of all foreign matter before being lowered into the trench and shall be kept clean during laying operations by means of plugs or other devices. Under no conditions shall pipe be laid in water or on sub grade containing frost; and no pipe can be laid when trench conditions are unsuitable for such work. Where unstable ground conditions are encountered, or where ordered by the Authority Manager or Engineer, the pipe shall be supported on a concrete cradle or cement encasement. Where concrete encasement is required, the trench shall be excavated to a minimum depth of six-inches [6"] below the bottom of the pipe. The pipe must be laid and supported so as to receive a six-inch [6"] minimum encasement around the entire periphery of the pipe. The excavated space must be completely filled with, and the entire pipe encased in concrete such that the minimum concrete encasement at any point around the outside barrel of the pipe measures six inches [6"] thick or more. The total minimum width of the concrete encasement must equal the width of trench excavation, which must be kept to the minimum practicable width such that the six-inch [6"] encasement thickness is maintained. Concrete must be minimum 2000 psi.
5. Connection to existing interior plumbing: Air or water column testing will be performed on all existing interior plumbing located under the floor slab. Any area that fails the test will be repaired, replaced or re-plumbed so as to insure a watertight system that no ground or surface water may enter. The use of Terra Cotta pipe is prohibited.
6. **PROHIBITION OF SURFACE AND GROUND WATER CONNECTIONS: *All roof downspouts, foundation and perimeter drains, area-way and driveway drains, exterior basement stairwell drains, window wells and sump pumps or other sources of surface runoff or ground water to a building drain are strictly prohibited from being connected to the sanitary sewer system.***
7. Backfill: Once the connection has passed testing and has been inspected and by the Authority, then the trench line may be backfilled in accordance with the drawings. The first two (2') feet of backfill above the pipe shall consist of six (6") inches of 2B stone or smaller followed by clean fill, with no rocks or debris. Backfill must be placed and tamped. Backfilling must be done with care to preclude damage to the approved service sewer, main sewer, and building. As noted previously, extreme care should be exercised in the vicinity of the Authority's sewer, as the property owner shall be held responsible for any damages inflicted. The backfilling in the area of the Authority's sewer must be carefully performed to ensure the minimal settlement.
8. Inspection: The Authority will be the sole entity responsible for inspection of all sanitary sewer connections. The Inspector shall be permitted to enter upon all properties receiving sewer service for the purpose of inspection. The property owner and/or contractor shall schedule an inspection at least forty-eight hours prior to anticipated start of connection. It is recommended that property owners schedule an inspection as early as possible. Inspections will only occur Monday through Fridays between 8:30 am and 4:00 pm, there will be no evening or weekend inspections. Installations requiring more than one inspection may be charged to the homeowner unless prior written request and Authority approval has been obtained. No interior or exterior pipe can be covered or backfilled until complete inspection and testing has been completed. Any areas covered prematurely will be required to be excavated at the homeowner's expense. If it is determined that the building connection line does not comply with the Authority's Rules and Regulations, and a re-inspection of the premises is required, there shall be a charge for each re-inspection.
9. Testing: Upon completion of visual inspection an air test of the lines at a pressure of five (5 psi) pounds per square inch for fifteen (15) minutes without loss of pressure, or a hydrostatic test when no water is lost from a filled service lateral subjected to a minimum of ten (10') feet of water head for fifteen (15) minutes.