

Gary C. Jarvis  
Chairman



Joseph J. Solomon  
Mayor

**Warwick Sewer Authority**  
125 Arthur W. Devine Boulevard  
Warwick, RI 02886  
Voice: (401) 739-4949 • Fax: (401) 739-1414

The Warwick Sewer Authority (WSA) would ask that you retain this sheet as a reminder of general practices/requirements for sewer connections within the City of Warwick.

1. Under **NO CIRCUMSTANCES** will a drain layer/master plumber make the final connection at the public Right-of-Way and the private property line interface until the WSA Inspector is present.
2. We realize that not all installations go according to plan and may extend beyond the normal work day. Please be advised that there is a **\$125.00 overtime surcharge** for inspections after normal business hours. This fee may be waived at the discretion of the WSA Inspector and the WSA Executive Director. The **\$150 charge for Saturday and Holiday Inspections** remains in effect. Please try to adhere to the inspection time that you have chosen for your installation. Contact the office with any changes
3. The WSA will not permit any ground water discharge on local or state roads without the use of erosion control measures. A recommended course of action would be to prepare for water on every installation i.e.: silt bags, filter fabric and hay bales.
4. The minimum depth of pipe is 4 feet.
5. The installation contract is between a drain layer/master plumber and the home owner. A good practice is to spell out in writing what services you are going to provide and what the end product will be. The WSA would also recommend that you take a few preconstruction photos prior to excavating to alleviate any misunderstanding at the completion of the installation.
6. The WSA will no longer accept the use of ribbed polyethylene for sewer manhole structures. Please refer to the manhole invert sheet provided.
7. Although you may be working in the City of Warwick, the flows may go to West Warwick; if applicable, you are required to adhere to their standards.
8. After complete installation of a low pressure system, be sure that the WSA Inspector opens the valve at the property line.

**NOTE:**

Although the Warwick Sewer Authority is not responsible for safety at your work site, we continue to strongly recommend the use of earth protection, such as a trench box, as spelled out when you completed your hoisting license requirements.



**Warwick Sewer Authority**  
125 Arthur W. Devine Boulevard  
Warwick, RI 02886  
Voice: (401) 739-4949 • Fax: (401) 739-1414

## **SEWER PERMIT REQUIREMENTS**

1. **DIG SAFE** number is required to complete permit application.
2. A permit number from the Warwick Water Department is required. This is generated from a mark out request called into the Water Department at **738-2008**.
3. Copy of license is required:
  - a. RI Master Plumber and driver's license
  - b. Underground Utility (drainlayer)
4. For both Residential and Commercial connections, an inspection fee of **\$200** up to 100ft. **\$300** for 101 to 200ft. **\$400** for 201 or more feet
  - **Repairs are \$100**
  - **Demolitions are \$50**
5. A **24 hour notice** is required when scheduling inspection.
6. A **2 hour cancellation notice** is required if the work is not ready to be inspected at the scheduled time. A **\$150** return inspection fee will be charged if notice is not given.
7. Any work performed without a permit or inspection from WSA will require the contractor to **expose the pipes for inspection and/or charged a fine.**
8. **The Master Plumber or Drainlayer must supervise pipe installation.**
9. Saturday inspections are available for an additional fee of **\$150**.
10. Clean outs and/or back flows installed in a driveway must have a cast iron road box.
11. **Always sleeve sewer line when crossing over a water line** if within 18" vertical or 10' or more horizontal.
12. For any work that is performed **outside of a foundation**, a permit is required.
13. **ALL CESSPOOLS WILL BE COLLAPSED AND FILLED TO GRADE THE DAY OF INSTALLATION.**

Gary C. Jarvis  
Chairman



Joseph J. Solomon  
Mayor

Earl W. Bond  
Interim Executive Director

**Warwick Sewer Authority**  
125 Arthur W. Devine Boulevard  
Warwick, RI 02886  
Voice: (401) 739-4949 • Fax: (401) 739-1414

**Sec. 2.17. - Authority to order connection to sewer; ordering cesspool, etc., to be filled up, etc.**

The sewer authority with the advice and consent of the mayor in the interest of public health and safety is authorized to order any abutting owner or occupant of land upon any street in which there is a sewer or in which a sewer may hereafter be constructed, **to connect the sewage of such premises with such sewer, and to order any owner or occupant to fill up and destroy any cesspool, privy vault, drain or other arrangement on such land for the reception of sewage.** Upon the service of any such order, or copy thereof, upon any such owner or occupant, to connect the sewage as aforesaid, or to fill up or destroy any cesspool, privy vault, drain or other arrangement for the reception of sewage, such owner or occupant **shall comply therewith within thirty (30) days from the time of service of such order.** In case the owner or occupant to whom any such order is directed shall **neglect or refuse to comply therewith within thirty (30) days after the service thereof upon him/her, he/she shall be fined not less than one hundred dollars (\$100.00) nor more than five hundred dollars (\$500.00) for each subsequent twenty-four (24) hours during which he/she shall neglect or refuse to comply therewith and in case such neglect or refusal shall continue for sixty (60) days** after the service of such an order, the authority may cause such cesspool, privy vault, drain or other arrangement for the reception of sewage which is the subject of such order to be filled up and destroyed and the sewage from such land to be connected with a common sewer. The pendency of any appeal from any such order shall not affect the power of the authority, after the expiration of said period of sixty (60) days, to cause such cesspool, privy vault, or other arrangement for the reception of sewage to be forthwith filled up and destroyed.

Whenever the authority shall cause any cesspool, privy vault, or other arrangement for the reception of sewage to be filled up and destroyed, or the sewage of any land to be connected with a common sewer, it shall keep careful account of the cost of such work and of any expense caused the city by reason of the neglect or refusal of the owner or occupant of such land to comply with the order of the authority issued as aforesaid, and upon the completion of such work the authority shall file statement of such cost and expense with the director of finance and thereupon the amount of such cost and expense shall be a **lien** upon the land, including improvements thereon, for which such cost and expense was incurred and the same shall be collected in the same manner as other assessments and charges are collected under this act.

Gary C. Jarvis  
Chairman



Joseph J. Solomon  
Mayor

**Warwick Sewer Authority**  
125 Arthur W. Devine Boulevard  
Warwick, RI 02886  
Voice: (401) 739-4949 • Fax: (401) 739-1414

## **RESIDENTIAL CONNECTIONS**

1. Pipe must be laid a minimum 1/8" per foot slope. Sewer line marking tape must be placed 1' about pipe.
2. Pipe is to be protected 1' above the top by removing stones 3" or more in size. A 3" protective pad of stones 1" or less in size must be hand laid on top of the pipe.
3. Stone must be used when laying pipe in ground water and/or in unstable conditions. Pumping is required when ground water is encountered at the city connection. All trenches must be dry before removing service caps at the time of installation. Debris/ ground water must be prevented from reaching the sewer.
4. City pipe found could be 6" PVC, AC, VC or "no bell" VC
  - a. VC pipe can be cut and may use **STAINLESS STEEL SLEEVED FERNCO** fitting.
  - b. For AC pipe, drain layers must use **STAINLESS STEEL SLEEVED FERNCO** fittings.
  - c. All new construction must use **SDR-35**
  - d. All connections are to be sealed tight from roots and water. Concrete is not allowed as a joint sealer.
5. Pipe must be **6" SDR-35** with gasket fittings. Use a **4x6"** or a **6x6" STAINLESS STEEL SLEEVED FERNCO** flexible coupling or **PVC COUPLER PLUG** to tie into the existing line from the building.
6. New 6" pipe is to be installed from the city line to 4' outside the foundation. If certain conditions exist to prevent total replacement of the existing pipe, you **MUST** have the approval of the WSA inspector.
7. A run of pipe 75 to 100 feet will require a clean-out at the discretion of the inspector.
8. A "clean check" is required over 18" deep
9. Pipe laid at the back of a building must have a clean-out at the back corner.
10. A 90° bend is not allowed; the contractor must use two (2) 45° bends.
11. A 4" or 6" back water check valve must be installed **outside of building** upstream from clean-out.
12. A back water valve & clean out combo (clean check) is required over 18" deep.
13. A 6" clean-out is to be installed after back water check valve at building and also at property line.

14. A 6" to 4" t-wye fitting is acceptable for the clean-out.
15. Ground water pumped or flowing into the city sewer system or trench **IS NEVER ALLOWED!**
16. Absolutely **NO** septage from cesspool or septic tank is to be pumped into the city sewer system while line is being installed.
17. Apartment buildings of 5 units or more must have a standard size 48" manhole with a 30" diameter cover to observe any blockage between the road and the building.
18. If the location of the service is in question while excavating; an inspector is available to assist in locating said service between the hours of 7:30am to 3:00pm. Any errors found different than the location given are to be reported to WSA inspector.
19. At the time of inspection, the sewer shall be connected to building plumbing with the WSA inspector present before any portion of pipe is to be back filled. All pipe is to be inspected for approval. No stones greater than 6" shall be allowed in back filled trench.
20. No cap to be removed without the inspector on site.
21. Prior to demolition of any building or structure that is connected to the sewer system, the sewer service must be permanently capped using a hard cap or a gripper plug at the property line under supervision of the WSA inspector. **The old pipe must be removed from the lateral to the foundation.**

#### **LOW PRESSURE LINES-GRINDER PUMPS**

1. A force main line 1 1/2" or 2" use SDR-21 or the use of Max Flo Sewer SDR-9 rolled Tubing is also acceptable under 1/1/16 revision. A thrust block must be used at bends and tees and at the end of lines.
2. Threaded curb stop can either be 1 1/2" or 2". A road box has been provided at the property line. It is the responsibility of the drain layer to make sure the box is to grade and lines up with the curb stop to provide for turning the line on and off.
3. A pump chamber in ground water requires a concrete counter weight to prevent floatation. The force main and pump require a 4' depth to prevent line from freezing. The pump chamber height shall be set to grade to prevent the accumulation of rain water on or near the pump.

**NOTE: In addition to the above, all Residential Requirements Apply**

**Only a WSA Inspector is to open or shut a low pressure curb stop valve**

Gary C. Jarvis  
Chairman



Joseph J. Solomon  
Mayor

**Warwick Sewer Authority**  
125 Arthur W. Devine Boulevard  
Warwick, RI 02886  
Voice: (401) 739-4949 • Fax: (401) 739-1414

## **COMMERCIAL CONNECTIONS**

1. Industrial Pretreatment Program (IPP) and Collections Division approvals are required.
2. **New Construction and/or Remodeling:** Three sets of Site, Plumbing and Floor Plans and a \$300 Plan Review Fee are required.
3. **Existing Structures:** Where no construction and/or remodeling are performed, three Site Plans are required.
4. **All** commercial connections require installation of a standard size 48" sampling manhole.
  - a. The sampling manhole shall have a 30" cover with sewer markings clearly visible.
  - b. Certain locations may need separate process and sanitary lines inside and exiting the building.  
The two separate lines meet in the sampling manhole at the invert. This requirement is determined during the plan review and is at the full discretion of the IPP.
5. Plan review will determine conformity with applicable internal and external plumbing requirements, as well as, pretreatment requirements (if applicable). Review will also determine if the commercial business located on the property will be required to obtain an IPP Wastewater Discharge Permit.
6. Following plan review, a Commercial Application Card will be provided to the applicant for completion. The applicant shall provide information pertaining to property usage and flow rates, as well as, the required contractor signatures and credentials.
7. The commercial connection permit shall be issued upon receipt of the completed application card and application fee (\$150.00 per 100' of pipe). Impact fees, if determined necessary following plan review, would also be due prior to issuance of the commercial connection permit.

In addition to the permit requirements for residential gravity line and pump system connections, the following commercial requirements must be met:

### **GRAVITY LINES:**

1. Pipe laid in vehicle travel areas with less than 3' of cover are to be ductile or cast in concrete.
2. Clean-outs in vehicle travel areas must be protected from vehicle loading to prevent the pipe from being crushed.
3. An 8" line requires air testing.

### **PUMP SYSTEMS:**

1. Pump system, stations and force main size must be approved by the WSA.
2. Force main lines in large systems will require pressure testing to 130 lbs.

**We reserve the right to require additional information based on site conditions.**