

## **JORDAN BASIN IMPROVEMENT DISTRICT LATERAL INSTALLATION INSTRUCTIONS**

- ALL LATERALS SHALL COMPLY WITH THE INTERNATIONAL PLUMBING CODE
- CALL BLUE STAKES **BEFORE** DIGGING (811) or (801-208-2100)
- ALL FEES SHALL BE PAID, INCLUDING IMPACT AND INSPECTION FEES
- CONSTRUCTION SHALL BE PERFORMED ACCORDING TO JORDAN BASIN IMPROVEMENT DISTRICT'S DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS AND THESE LATERAL INSTRUCTIONS.
- GRADES SHALL BE ADEQUATE--**MINIMUM OF 2% FOR A 4" LATERAL** UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- BEDDING SHALL BE STABLE: BEDDING MATERIAL SHALL CONSIST OF ANGULAR CRUSHED STONE OR ROCK.
- **NO GROUNDWATER** IS PERMITTED IN SEWER LINES OR TRENCH
- 4' OF COVER REQUIRED OVER ALL SEWER PIPES, UNLESS OTHERWISE APPROVED
- MANY PEOPLE DIE EACH YEAR WHILE WORKING IN SEWER TRENCHES; DON'T LET IT HAPPEN ON YOUR LATERAL

**PLEASE** read and study the enclosed sheets **BEFORE** you start work on your lateral.

### **DO NOT GET YOURSELF IN TROUBLE**

Ensure service is available and there is proper grade to your property before you start digging. The contractor shall field verify the depth of the existing sewer lateral to ensure proper grade.

**Do not cover your lateral before an inspector employed by the Jordan Basin Improvement District (District) has inspected it.**

You need to give the office 24 hours' advanced notice to schedule an inspection. At least a one-hour notice is required for all cancellations, or a call-back fee will be assessed.

All the construction rules shall be followed and completed before the inspector arrives to avoid having the inspector come back and charge an additional inspection fee. An additional inspection fee will be charged per inspection.

If you hire someone to install your lateral, be sure they are licensed and bonded to perform the work. Also, be sure they are fully aware of all the District's rules, regulations, and requirements.

### **THE DISTRICT CAN NOT AND WILL NOT ACCEPT SUB-STANDARD WORK ON LATERALS.**

Inspections are performed between 8:00 am to 2:30 pm Monday – Friday. Inspections shall be scheduled with District staff during the District's regular work hours by calling (801) 571-1166.

## **CLEAN-OUTS**

Cleanouts shall be located within five (5) feet of the building, every 100 feet of a pipe run, and at all HORIZONTAL or VERTICAL bends of more than 45°. Only two bends up to 45° per bend are allowed between cleanouts. The cleanout pipe shall be PVC and shall have an approved metal plug.

In paved areas and unpaved traffic areas, the cleanout ring and cover shall be separate from the cleanout standpipe and cleanout cap. Cast iron frame and cover conforming to ASTM A48 Class 35B similar to D&L Supply H-8030 or approved equal. A sprinkler irrigation box and cover or other similar enclosure will be required in landscape areas.

90° bends are not allowed but may consist of a combination wye and a 45° bend with a cleanout; cleanout diameter shall match lateral diameter.

## **TEST TEE**

A PVC test "tee" shall be installed within ten feet of the property line. Prior to the inspection, a blow-up ball shall be placed in the test "tee" and the lateral filled with water.

## **UNDERCUTTING**

If it is necessary to undercut curbs, sidewalks, water lines, gas lines, ditches, etc., contact the utility company or the appropriate City's Public Utility Department.

## **BEDDING**

For pipe diameters 4" and larger: bedding material shall consist of angular crushed stone or rock between ¾" and 1 ½".

For pipe diameters less than 4": bedding material shall consist of sand material smaller than ¾". The bedding material shall be placed at a minimum of six inches under and twelve inches over the pipe. Over-dug trenches shall be raised to the bottom of the trench with angular crushed 2" minus gravel.

## **CONNECTOR OR COUPLING**

A rigid connector or a banded connector with stainless steel non-shear ring shall be used at the connection to the house. "Slip to slip" PVC couplings shall be used in other locations.

## **RESPONSIBILITY FOR INSTALLATION**

Each resident is responsible for installing their lateral, including pipe, cleanouts, inspection tees (where necessary), and connection to the main line. We strongly recommend that a licensed and bonded contractor do the sewer installation. The installer should be aware of installation procedures and requirements pertaining to road opening permits, safety regulations, cleanout locations, and other rules and regulations which apply to sewer construction. The slope should be a minimum of 2% unless otherwise approved by the District; no maximum is specified. **NOTE: If**

**work is necessary in streets, permits shall be secured from the applicable city, county, or state agency.**

### **SEPTIC TANKS**

Laterals shall be connected to the house plumbing so that septic tanks and drain fields are excluded from the sanitary sewer system. The line to the septic tank should be plugged. We are advised by the Salt Lake Valley Board of Health that septic tanks are to be pumped and filled with inert material by the owner after the lateral is connected to the main. Abandoned septic tanks shall be inspected by the Utah Department of Health.

### **PROHIBITED CONNECTIONS**

Ground and stormwater MAY NOT be discharged to the sewer system. Sump pumps from foundation and other drains MAY NOT be connected to the sewer lateral or any other portion of the sewer system.

### **SECONDARY CONNECTIONS**

Private residential RV dumps and secondary structures, including garages, shops, studios, pool houses, etc., containing only one toilet and one sink may be connected to the sewer system through the primary residential sewer lateral without payment of an additional impact fee and monthly service charges. Secondary structures containing more fixtures or with a separate sewer connection may not be connected to the sewer system without payment of additional impact fees and monthly service charges.

An inspection for the connection of an RV dump or secondary structure is required. All fees are required before the connection or inspection can be made.

### **LATERAL LOCATIONS**

The District will provide the best information it has received to individuals who need help in locating laterals. Care should be taken in uncovering laterals to prevent damage to the pipe. It is recommended that the last foot be hand excavated. Damage to the lateral is the owner's responsibility. Any damage done to the main line will also become the owner's responsibility to repair. Laterals shall be installed no closer than two feet horizontally from water service lines and shall pass no closer than 18" beneath water service lines. If the lateral is rejected, a call-back fee will be assessed.

The District has required the developer to install a brass marker in the curb to help locate the lateral. We advise you to locate this marker before digging. Lateral locations are provided to the District by the developer of your subdivision. The District does not guarantee the accuracy of this information

## **NOSE-ON AND CONNECTIONS**

If connections are required to be made to a District main line, District personnel shall perform the connection. The main line shall be exposed by the owner prior to District personnel arriving in a manner conforming to OSHA standards. This includes a trench box if the trench is more than four feet deep. Any damage done to the main line will become the owner's responsibility to repair.

The fee for a nose-on will be \$350.00 for a 4" connection and \$360.00 for a 6" connection. Connections required on weekends or after regular business hours will have an additional overtime charge. **All nose-ons shall be scheduled through the office at least 24 hours in advance!**

## **PRESSURE LATERALS**

Where required, pressure laterals shall be installed per the District's Design Standards and Construction Specifications. Please visit the District's [website \(www.svsewer.com\)](http://www.svsewer.com) or contact the office for details on specifications or inspections.

## **TYPE OF PIPE TO BE USED**

All pipes shall have a flexible rubber gasket joint. The following pipe is acceptable unless otherwise approved by the District Engineer:

- A. PVC (plastic) bell and spigot with rubber gasket element meeting ASTM Specification D-3034, SDR-35. Four-inch pipe shall have a minimum wall thickness of 0.125 inches. SOLVENT WELDED JOINTS ARE NOT ACCEPTABLE.
- B. Cleanouts are to be gasketed pipe, and no bands are allowed. Cast Iron pipe is not acceptable.

## **INSPECTIONS**

The District shall inspect all laterals and connections at the time of installation. Please notify the District twenty-four hours in advance to schedule inspections. The owner or a representative shall be present during the inspection. The pipe shall be installed with the entire trench open, clean out wyes plugged, and the line filled with water ready for testing. The inspector shall witness connections to the main line. Inspections are performed between 8:00 am to 2:30 pm Monday – Friday. Inspections shall be scheduled with District staff during the District's regular work hours by calling (801) 571-1166. All overtime shall be paid in advance by the contractor or owner, with a two-hour minimum for weekend inspections. This overtime fee does not include the regular inspection fee. If an inspection does not pass or the project is not ready for an inspection at the scheduled time, a call back fee will be assessed.