

## General Requirements

Only one building may connect to the sewer main per lateral unless otherwise approved by the Utility. Foundation drains, sump pumps, downspouts or other storm water drains shall never be connected to the Utility's sanitary sewer. Site dewatering systems shall never be discharged into the sanitary sewer system. All infrastructure connected to TriCo's sanitary sewer system may be tested, inspected, or televised at TriCo's discretion and must remain accessible and properly maintained. Details and specifications can be found on our website [www.trico.eco](http://www.trico.eco)

### 1. Inspections

TriCo shall inspect all new laterals and lateral repairs in their entirety. The property owner or contractor must notify TriCo at least 24 hours in advance and prior to backfilling. If an inspection fails and subsequent inspections are required, or if the contractor is not on site for the scheduled inspection, a \$100 fee will be assessed and must be paid prior to rescheduling.

### 2. Use of Existing Sewer Lines

Sewer lines from the building to the septic tank may only be used they are located under a building addition, patio, porch, or paved driveway. An air test is required to show if a line is acceptable for re-use. The property owner shall bear the cost of all testing. The Utility inspector must be onsite for the duration of the air test.

### 3. Septic System Requirements

Septic system contents or effluent shall never be discharged to the sanitary sewer. Be advised that your local county health department regulates septic systems. Upon connection to the sanitary sewer, a septic tank must be abandoned, pumped clean, and filled with earthen material. Contact your local county health department for more information on septic tank abandonment requirements.

### 4. Sewer Lateral Connection & Cleanouts

Transition to the 6-inch diameter SDR 35 PVC sewer lateral shall be within 3 feet from the exit of the foundation. Glued joints are not allowed after 3 feet. For longer gravity lines, additional clean outs shall be installed within every 100 feet from the building to the sewer main. See TriCo's standard drawings for more information on Type I, II, & III cleanout installation.

### 5. Lateral Placement Near Structures

Laterals shall be at least 36 inches from the face of a crawl space or slab foundation and 60 inches from the face of a basement foundation wall. Spacing requirements also apply with respect to the ancillary structure's foundation depth. Ancillary structures (e.g. window wells) and other utilities shall not be placed over or near the lateral. TriCo may adjust requirements where future access to the lateral may be obstructed by other utilities. The contractor should call to discuss further if he/she believes this could be an issue.

### 6. Property Line Clearance

Laterals that are less than 5 feet deep shall be at least 24 inches from the property line. Laterals deeper than 5 feet shall be at least 36 inches from the property line. Where the lateral runs in close proximity to the property line, the property corners must be accurately staked by a professional land surveyor prior to inspection.

### 7. Water & Well Crossings

Laterals shall be installed at least 20 feet from water wells unless PVC pressure grade pipe is used. Any proposed installation requiring pressure pipe shall be reviewed by TriCo prior to installation. Where a transition is made between SDR 35 pipe and pressure grade SDR 21 pipe, a ductile iron gasketed mechanical couplings or a TriCo approved fitting shall be used.

### 8. Bedding Requirements

Proper bedding shall be placed at least 6 inches below and 12 inches above the pipe surface. The trench shall be 18 inches wide with 6 inches of clearance on both sides of the pipe. Material shall be placed over the pipe and tracer wire after inspection. Soft, unstable or unsuitable material found below and near the lateral, including any fill or foundation backfill material, must be removed and replaced with #8 stone. The contractor is solely responsible for establishing stable pipe bedding conditions.

### 9. Tracer Wire Installation

Tracer wire shall be #10-AWG solid copper and shall be laid on top of and run the entire length of the lateral. All splicing of tracer wire shall use 3M splice kit model DBR/Y-6, King Innovation Dryconn Direct Bury Lug Aqua catalog #90220, or TriCo approved.

#### Approved Gravity Lateral Materials:

PVC Pipe: Gasketed SDR 35 or SDR 26, ASTM D3034, 6 inch diameter. (Typical)

PVC Pipe: Gasketed SDR 21, ASTM D2241, 6 inch diameter pressure rated for water and well crossings

PVC Pipe: Certaflo Greenline SDR 21, ASTM D2241, 6 inch diameter restrained joint pipe for directional drilling

PVC Fittings: Gasketed SDR 26 for all fittings. Ninety-degree elbows are prohibited. (Typical)

PVC Couplers: Gasketed SDR 26 repair sleeves or Indiana Seal shear guards. All other flexible couplers are prohibited

Gaskets: All gasketed joints shall meet ASTM D3212

Ductile Iron: mechanical joint fittings with proper hardware or other TriCo approved fittings

Cleanouts: 6 inch threaded PVC caps

Bedding: Use #8 crushed stone or fractured face aggregate

#### Approved Grinder Pump & Low Pressure Materials

HDPE Pipe: DR 11 IPS, 1.25 inch diameter, PE4710 (Typical)

Connections shall be made via electrofusion or polypropylene compression fittings

Tapping Tee: Electrofusion high volume tapping tee, rated 200 psi, PE4710

Curb Stop: Stainless steel combination check valve and ball valve rated 200 psi (Typical)

Curb Stop: 1.25 inch IPS full port 1/4 turn fusible PE ball valve, rated 200 psi

Threaded swing check valve, 316 stainless steel, rated 200 psi

Tank Connection: HDPE connection to tank must utilize a male - female stainless steel whip

Bedding: Force mains shall be bedded in sand

Contact TriCo for acceptable pump station materials, equipment, pumps, and other requirements