

MT. OLYMPUS IMPROVEMENT DISTRICT

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LATERAL SPECIFICATIONS

Use SDR 35 pipe. Bell to spigot gasket joints only. All fittings and cleanouts to be SDR 35 PVC. No glued fittings except in sampling manhole.

More than one sewer lateral can be installed in the same trench. There needs to be 6" between pipes or pipe and trench wall. Each separate building or premises shall have a separate connection to the sewer main.

Clean-outs: Top of clean-out must have a cast iron hub with a threaded brass cap. One clean-out at property line and one every 50' thereafter on a 4" line. Clean-out every 100' on a 6" line. If more than a 45° bend, there must be a clean-out. A clean-out is also required at every 90° bend and between (2) 45° bends. Fernco shielded couplings (shear band couplings) required.

¾" minus gravel 4" to 6" around pipe and 12" around clean-out. 2% minimum grade on 4", 1% on 6", uniform grade start to finish.

Test tee in front of property line clean-out. Water test to be run on all laterals with ten feet of head.

The District installs the nose-on but the customer pays for the nose-on. The 4" nose-on is a SDR-35 PVC bell. Trench box required for nose-on or trench must be vee'd to OSHA standards. Trench needs to be dewatered. One nose-on per length of pipe. Nose-on needs to be 18" from spigot end and 6" from bell end.

Cap-offs: Dig up line as close to the street as possible without disturbing sidewalk or road asphalt, in front of property line clean-out. Expandable plug the size of the line to be capped off is needed along with a bag of concrete mix. Pipe to be capped off needs to be cut off square. Put in expandable plug. Call for an inspection by the District Inspector. Mix concrete and place around cap while inspector is there. Only if inspector sees the cap off will the account be closed.

Sampling manhole required for all commercial buildings. An appropriately sized outside grease trap shall be required at all commercial establishments where food is prepared. Minimum size 750 gallons.

No building sewer lateral shall have less than two (2) feet of earth cover at finished grade.

Inspection fees must be paid and lateral bond in place prior to any work beginning. Property owner may do the repair without a bond if they are doing all the work and no other party will be paid to perform any portion of the sewer lateral work. Nothing shall be buried until approved by a District Inspector. Surface restoration of yards, sidewalks, and other improvements disturbed in the course of the work is required.

LATERAL SPECIFICATIONS - REHABILITATION WORK

Under no circumstance shall the District assume any liability for loss or damage which takes place as a result of rehabilitating or reusing old laterals. The contractor shall explain all limitations of the rehabilitation work to, and obtain the consent from, the legal property owner. The District makes no representation or warranty of any kind, express or implied, regarding the quality, workmanship, or remaining service life of any work done using rehabilitation methods.

Lateral Liners

Lateral liners shall not protrude into the District main. Protruding liners shall immediately be removed using a robotic cutter. The protruding liner shall be cut neatly to not cause any rough edges. The District may recoup any costs necessary to eliminate protruding liners which are not addressed in a timely matter. A separate bond may be required for lateral liners.

Lateral liners shall not be installed from within a permanent structure (e.g. homes, businesses, etc.)

Lateral liners shall have an outdoor cleanout which is accessible.

Lateral liners shall be continuous and cover all joints. The liner shall be free from visual defects such as foreign inclusions (internal and external), pinholes, fins, large wrinkles, and delamination. The host pipe shall have no holes that would affect the structural stability. Fins and wrinkles shall not exceed 5% of the pipe diameter as determined by mandrel testing. No wrinkles or holes shall be allowed in the invert of the pipe between the 4:00 and 8:00 positions.

All liner and resin materials shall be compatible. Follow all manufacturer recommendations for materials and curing procedures. A pinch roller, or other approved method, shall be used for the wet-out process. Linoleum rollers are not allowed.

Liners shall meet all manufacturer, ASTM & NASSCO standards.

Point Repairs (Spot Repairs)

Fernco shielded couplings (i.e., shear band couplings) or an approved equal shall be used to join new pipe to existing pipe.

The repair shall be bedded and haunched in $\frac{3}{4}$ " minus gravel with adequate and uniform slope.

The repaired pipe must form a tight and strong connection. Cut ends should be clean, uniform, dry, and watertight.

Reconnections

Prior to reconnecting to any existing lateral, the contractor shall contact the District for a camera inspection. The contractor shall provide the sewer inspection camera. An adequate supply of water shall be available for the inspection. The camera shall be pushed the entire length of the lateral with the District Inspector present. Any deficiencies shall be noted and corrected prior to reusing the lateral.

All work for a reconnection shall follow the above referenced specifications for a point repair.