

Sanitary Sewer (Lateral) Design

****Per City Ordinance - All Orangeburg must be completely replaced****

Polyvinyl Chloride (PVC) Schedule 40 pipe with solvent welded joints or electrometric rubber gasket joints.

PVC allowed to depth of thirteen feet depending on soil type and condition.

Pipe shall be laid in a bed of granular material that shall be a minimum of four (4) inches deep under the pipe. Granular bedding shall be laid on firm undisturbed trench bottom.

Where the trench bottom is muck or unstable, such material shall be removed and replaced with granular material.

In all cases, ample bell holes shall be dug to insure that the bells are completely free and do not carry any load.

The granular bedding material shall be brought up even with the spring line of the pipe.

The backfill to one foot over the top of the pipe shall be granular material or well-compacted earth, free from clods, frozen lumps, vegetable matter, and bold particles larger than two (2) inches in the greatest dimension, cinders or other objectionable materials.

The back fill under street or alley pavements shall be of 100 percent granular materials compacted in place. Puddling or flooding of the trench will not be allowed.

Pavement replacement shall match in thickness and kind of pavement adjacent to the trench.

No pipe shall be less than 4" and shall be laid at grade of one-quarter inch per foot where practical, in no case at a grade less than one-eighth of inch per foot.

Pipe shall be laid in a direct straight line from the building drain to the wye in the public sewer, if at all possible.