

Sewer Specs for Installations

Plan and profile drawings are required showing all water, storm and sanitary sewer infrastructure as required in the subdivision regulations.

The following provides requirements for laterals and sanitary sewer force mains and needs to be included in the preliminary plat construction drawings:

LATERALS

Brass gate valves

Brass check valves

Service saddles to be provided of double strap design

6-inch round plastic valve boxes

2-inch schedule 40 PVC pipe

18-inch minimum depth

90 degree bends not allowed

SEWER FORCE MAINS

Class 200 PVC pipe (AWWA C900)

Fittings at bends shall be ductile iron castings

Cleanouts provided on ends of sewer mains

Metal valve risers on all valves

36-inch minimum depth

Sanitary sewer sizing calculations required, ensuring adequate capacity as specified in WPCF Manual of Practice No. 9, Design and Construction of Sanitary and Storm Sewers. Calculations must be signed and sealed by an Alabama registered Professional Engineer.

Hydrostatic testing shall be performed at 120 psi for all sizes of force mains. The testing procedures shall continue for an uninterrupted period of not less than 3 hours. Testing shall be in accordance with the applicable AWWA provisions for PVC-AWWA Publication M23. Should the test fail, necessary repairs shall be accomplished by the contractor and the test repeated until within the established limits. Hydrostatic test data must be reviewed and approved by the project Professional Engineer of Record prior to submittal to the City