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