



**South Carolina
Department of Labor, Licensing and Regulation
Division of Fire and Life Safety**

Office of State Fire Marshal

141 Monticello Trail Columbia, SC 29203

Phone (803) 896-9800

Fax (803) 896-9806

www.LLR.state.sc.us

Underground Piping Plan Submittal List

Plans and specifications submitted for review by the Office of State Fire Marshal must contain the following applicable information:

1. A Fire Sprinkler System Specification Sheet (FSSSS) filled out by the engineer of record who is responsible for the design of the underground system. The FSSSS must be filled out **completely**.
2. Plan(s) stamped by a registered South Carolina engineer as required by state statute. Unstamped plan(s) will require the completion of a Certificate of Compliance (COC) by the engineer completing the FSSSS.
3. The name, address, telephone number, and South Carolina license number of the contractor installing the system.
4. The contact person, company name, address, and telephone number of the General Contractor.
5. Plans must be drawn to scale and shall include the location of all new and existing buildings on the property, and property lines.
6. Size and location of all water supplies and the flow rate and pressure available for the fire protection system. If the water supply is calculated, the plans must include hydraulic calculations.
7. Size and location of all sprinkler and standpipe risers, hose outlets, hand hoses, monitor nozzles, and related equipment.
8. Size, type, depth, and location of all fire protection piping, valves, meters, backflow preventors, regulators, and check valves. Indicate if devices are located in a pit, if operation is by post indicator, or key wrench through a curb box. Include the manufacturer and model number of meters and BFPs. Also indicate the method of restraint for all underground piping.
9. Size and location of hydrants, showing size and number of outlets, and if outlets are to be equipped with independent gate valves. Indicate if hose houses and equipment are to be provided and by whom. Also indicate the static and residual hydrants used to obtain flow data.
10. Size, location, and arrangement of fire department connection (FDC), if part of private fire service main system, including detail of connections.

Notes:

1. **Omission of required information will delay the review process. Please ensure submitted plans fully address all applicable items.**
2. **Plan(s) must provide significant information in order to verify compliance with the latest adopted versions of the IBC, IFC, and NFPA 24.**