



Office Use Only	
Permit Num.:	Fee:
Plan Review:	Fee:

Underground Fire Service Main Permit Application

Plan submittals must include this document and may be:

- Delivered to: Building Inspections at 440 S Church St, M-F, 8:00 – 5:00
- Mailed to: Building Inspections at 440 S Church St. Spartanburg, SC 29306

Total Contract Price: _____

Application Date: _____

Installation Location

Business/Location Name:	
Street Address:	Building/Suite:
Property Owner/Rep Name:	Owner/Rep. Contact Number:
Occupancy Classification(s) : <input type="checkbox"/> Assembly <input type="checkbox"/> Business <input type="checkbox"/> Educational <input type="checkbox"/> Factory-Industrial <input type="checkbox"/> Hazardous <input type="checkbox"/> Institutional <input type="checkbox"/> Mercantile <input type="checkbox"/> Residential <input type="checkbox"/> Storage	

Installation Contractor

Contract company:	Address:
Contractor State License #:	Expiration Date:
Contact person name:	Contact Phone:
Contact fax:	Contact E-mail:

System Details

Square Footage of Project Area:	Size of Public Mains feeding system:
Needed fire flow for building: <input type="checkbox"/> SPSD guide <input type="checkbox"/> ISO calculations <input type="checkbox"/> IFC Appendix D <input type="checkbox"/> Other calculations	
Installation: <input type="checkbox"/> New Construction <input type="checkbox"/> Renovation/Remodel of existing system	
Fire Sprinkler System Type(s): <input type="checkbox"/> None <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/> Pre-Action <input type="checkbox"/> Deluge <input type="checkbox"/> Anti-Freeze	
Fire Sprinkler System: <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> NFPA 13D	
Standpipes: <input type="checkbox"/> None <input type="checkbox"/> Auto Wet <input type="checkbox"/> Manual Wet <input type="checkbox"/> Auto Dry <input type="checkbox"/> Manual Dry	
Hydrants: <input type="checkbox"/> None <input type="checkbox"/> Public <input type="checkbox"/> Private	

Submittal Checklist

<input type="checkbox"/> Include page 1 of this application and 3 sets of prints
<input type="checkbox"/> I have reviewed the checklist on the back of this document (or page 2 of duplicates) and the prints include all items noted
<input type="checkbox"/> Installation contractor is properly trained and qualified to install fire system mains in accordance with NFPA 24
<input type="checkbox"/> Underground system complies with Spartanburg Water System requirements
<input type="checkbox"/> I understand inspections must be completed before covering or concealing installation

The contact person listed above will receive comments and/or permit approval after the plan review has been completed. A Permit and Plan Review fee will be assessed based on the total value of the project, but not less than a \$40 Permit Fee and a Plan Review Fee (when applicable) of \$40. Permit and Review fees increase proportionally to the contract value of the project.

I hereby make application for permit to perform the work described herein, and if permit is granted, I agree to conform to all review comments, City Ordinances, State/International/National Codes as applicable, and applicable requirements set forth by the City or State Fire Marshals Office, whether specified herein or not, and in accordance with all plans submitted. I certify that the information given is true and accurate:

Print

Sign

Date

Fire Service Main Permit Application

Plan Submittal Check List

The following check list is provided as a summary of the minimum information required before a review will be initiated. It is the contractor's responsibility to have a thorough working knowledge of the applicable City, State, National Fire Protection Association (NFPA), and International Code Council (ICC) requirements and to include additional information specific to this system. Failure to provide information will delay the review process.

All Projects (included on prints)

1. Name, address, phone, fax, e-mail, and state contractor's license number.
2. Creation date of plan, revision dates, point of compass, scale and graphic representation of scale.
3. Complete address (include building name or suite) of project (include tenant name if known).
4. Clear and definitive scope of work for the project and the company permitting the work.
5. Size of the SWS water mains supplying the system.
6. Location of back flow prevention vault and/or FDC.
7. Equipment cut sheets for all materials and components.
8. Thrust blocks or other approved restraint methods as allowed by 2002 NFPA 24 section 10.8.
9. Hydraulic calculations that demonstrate the total system demand at the needed PSI for system operation.

New Installation/Major Remodel

10. Site/plot drawings with paved roads, fire lanes, parking, and building orientation. Include locations of area hydrants and the remote FDC. FDC's shall be labeled in accordance with City Requirements.
11. Site/plot drawings indicating location, weight/class, size and length of underground piping and materials from water source to riser. Include any valves, meters, valve pit (include pit details), depth to bury pipe, thrust blocks, etc.
12. All valves, excluding the Spartanburg Water System roadway valve, controlling the water supply for automatic sprinkler systems up to an including the back flow prevention device shall be electrically supervised as required by 2006 International Fire Code section 903.4.
13. Provide the means to conduct a full forward flow testing of the backflow prevention device as required by 2007 NFPA 13 section 10.10.2.5.1.
14. Provide information on any hydrants to be installed; private hydrants to have the barrels painted yellow. The available flow to be marked on the hydrant bonnet and caps to meet NFPA 291 section 5.2.1.2.

Required Inspections and Documents

Testing and acceptance will be required to meet 2002 NFPA 24 section 10.10 requirements. Items to be reviewed or inspected include:

1. Inspection of piping and restraint system before covering.
2. Flushing of piping. Flow rate to meet NFPA 24 section 10.10.2.1.3.
3. Hydrostatic test as required by NFPA 24 section 10.10.2.2.
4. Underground material and test certificate.
5. Private hydrants shall be flushed and flow tested. Flow rates to be marked on the hydrant with an approved method.
6. Final inspection. Additional testing may be required based on system or complexity.

Pre-Final Inspection Check list

The contractor shall verify completion of the following items, any item from this list found outstanding at the time of the final will result in termination of the inspection and assessment of a re-inspection fee.

- All previous inspections completed and any deficiencies corrected.
- Installation per the submitted prints or deviations approved and as-built drawings prepared for inspector.
- Permit, stamped drawings, and 3 copies of the Certificate of Underground Piping on site.