UNDERGROUND FIRE SUPPLY PLAN SUBMITTAL REQUIREMENTS
A Complete and Accurate Submittal Must Include the Following:

1. If supply line sizing was not verified as part of associated building or grading permit hydraulic verification shall be provided for any line size less than 6-inch (NFPA 24 section 5.2.2).

2. The information provided on the drawings shall meet the requirements of NFPA 24 section 4.1.3 for “Working Plans”. Information provided to include, but not be limited to:
   a. Name of owner & occupant and street address.
   b. Name & address of contractor.
   c. Point of compass and graphic representation of scale.
   d. Provide the following items for private fire service mains:
      i. Size and length.
      ii. Location.
      iii. Weight and material.
      iv. Point of connection to city main.
      v. Sizes, types, and locations of valves, valve indicators regulators, meters, and valve pits.
      vi. Depth at which the top of pipe is laid below grade.
      vii. Method of restraint.

3. Equipment located in a vault (backflow assembly and post indicator valve), or freestanding shall be electronically monitored. Location and connection of fire department connection shall be noted. The location and connection of private fire hydrants shall be noted. Fire hydrants shall be provided with Stortz adapters on the pumper port.

4. Post indicator valve to be freestanding and location shall be approved by fire department. The fire department connection to be located no closer than 50ft. of the building and within 50ft. of a hydrant, unless otherwise approved. Fire department connections shall be provided with locking Knox caps/plugs.

5. System testing & acceptance to meet the requirements of NFPA 24 section 10.10. System shall be installed by a State licensed contractor with a state Level 1, Level 2, Level 3, or Level U certification, as per type of occupancy (WAC 212-80 & RCW 18.160).

6. At the point where fire supply lines pass through floor/wall the size of the hole shall be of sufficient size to meet NFPA 13 requirements for clearance (2” clearance for pipe sizes up to 3½” and 4” for pipe sizes above 4”).

7. Joints shall remain exposed until after flushing and hydro-test are completed; pipe lengths between may be covered. Inspection requests shall be made via the contractor portal: SVFDPermits.com, use the permit number to create the request, 48-hr advance notice is required. A separate inspection request is required for each type of inspection being requested.

8. The issuance of a permit based upon plans, calculations, data, and other reports shall not prevent the Fire Department from requiring correction of deficiencies. Any deficiencies found during field inspection, testing or Fire Company surveys must also be corrected.

9. Underground fire line Contractor’s Material & Test Certificate shall be on file with SVFD prior to connection to aboveground sprinkler systems.