



**Katie Hobbs**  
Governor

## Office of the State Forester

### Arizona Department of Forestry and Fire Management



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State Forester

## UNDERGROUND FIRE LINES/MAINS/HYDRANTS

No construction shall commence until project plans have been reviewed, approved, and a state permit issued. Construction without a permit shall receive a Red Tag/Immediate Stop Work Order. A Stop Work Order will not be lifted until a permit is issued and the contractor pays a re-inspection fee.

A temporary fire line must meet all system fire flow requirements. Temporary fire line approval is limited to a period not to exceed ninety (90) days without extension.

### **SUBMITTAL GUIDELINES:**

The submittal **shall include, as a minimum,** the following:

- Name and complete address of facility and contact phone number.
- If applicable, the name and address of water provider for the project.
- Name and address of installing contractor, class of license, and license number, contact phone number.
- Scaled civil engineering drawings of site.
- Size and location of all water mains serving site.
- Type, size, and location of all system valves.
- Size and location of all fire hydrants, and shut off valves, on and off site.
- Type of all fire protection systems connected to water supply system.
- Location of Fire Department Connection or FDC, including connectors and type of threads.
- Location and type of each control valve between the private main and street supply.
- Type and location of any Post Indicator Valves on system, including distance from building.
- Type of pipe, i.e., ductile iron, asbestos cement, PVC., etc., to be used in system.
- Depth of buried pipe.
- Location and type of corner reinforcement for each change of pipe direction. I.e., thrust block, mega-lug, etc.
- Distance from fire lane to FDC connection and closest hydrant.
- Calculation of fire flow required for site per IFC 2018 Appendix B.
- Provide type and specifications of back flow prevention devices.
- Poly wrapped, if applicable.
- Tracer wire.

**Duty ♦ Respect ♦ Integrity**