



SPARKS FIRE DEPARTMENT

FIRE PREVENTION BUREAU

Fire Hydrant/Fire Flow Submittal Information & Requirements

1. Four sets of plans shall be submitted for Fire Department review and approval. Two sets shall be wet stamped by a licensed design professional or licensed contractor. The additional sets can be a copy of stamped plans. Plans shall include the project name and design professional information in the title block.
2. Plan review for hydrant placement / fire flow approval is 10 business days from receipt by the Sparks Fire Department.
3. The fee for fire flow/hydrant review is a one-hour minimum charge.
4. Plans shall include a detailed scaled site plan showing existing and new fire hydrant locations, square footage and type of construction as defined in the 2018 International Building Code for all buildings on site, and indicate if the building(s) are equipped with a fire suppression system. All Fire access lanes shall be dimensioned on the plans and approved by the AHJ.
5. All hydrant systems shall be designated either public or private by the design professional and listed on the plans.
6. Private hydrant systems shall include hydraulic calculations verifying fire flow.
7. An auto turn diagram shall be provided based on Sparks Fire Department apparatus. ([Sparks Fire Department Policy Manual Chapter 5](#)).
8. All shut off valves shall be located within 20 ft of hydrants and shall be listed on the plan.
9. Fire flow requirements for buildings shall comply with the requirements of the 2018 International Fire Code appendix B.
10. Fire hydrant location and distribution shall comply with the requirements of the 2018 International Fire Code section 507, appendix C and the Sparks Fire Department Policy Manual appendix 4 and appendix 5.
11. Fire protection water supplies shall comply with the requirements of the 2018 International Fire Code section 507.