



Stafford County Fire and Rescue Department Office of the Fire Marshal

1225 Courthouse Road, PO BOX 339, Stafford, VA 22555
(540) 658-8648 · www.staffordfireandrescue.com/fm



Guidelines and Specifications for:

Fire Hydrants

Applicable Codes and Standards:

VSFPC – Virginia Statewide Fire Prevention Code (2018)
SCWSS – Stafford County Water and Sewer Standards
SCC – Stafford County Code

Location	Code Section										
Spacing of fire hydrants shall be measured along the lines of vehicular access.	SCWSS 2.1.4										
The maximum distance from a fire hydrant to the most remote part of any building it serves, as measured along the centerline of the travel way, shall not exceed:	SCWSS 2.1.4(C) SCWSS 2.1.5										
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In addition, a minimum of two (2) fire hydrants shall be provided within 500 feet of structures other than single family dwellings.											
Fire hydrants shall be located throughout a property along fire department access roadways at each street intersection, at the end all cul-de-sacs or dead-ends and at intermediate locations as determined by the Fire Marshal's Office. The distance between fire hydrants shall never exceed 800 feet.	VSFPC 507.5.1 SCWSS 2.1.4(A)										
Fire hydrants not located at intersections shall be located along property lines where possible. Fire hydrants in parking lots or near turning vehicle must be protected with bollards per VSFPC 312.	SCWSS 2.1.4(E,G,J)										
Fire hydrants must be provided on both side of roadways 4 lanes and greater in size and the spacing should be independent of the other.	SCWSS 2.1.4(F)										
Where a fire department connection is provided, a fire hydrant must be located with 50 feet of the connection.	SCWSS 2.1.4(B)										
Fire hydrants shall not be installed less than 18" and not more than 8 feet from the face of the curb or roadway.	SCWSS 2.1.4(H)										
Dry fire hydrants shall be located in accordance with NFPA 1142 and as approved by the fire official. See the "Stafford County Dry Hydrant" guideline and specifications.	SCC 22-118										

Visibility, Obstruction, Color	Code Section								
Plantings, fences, storage, or other obstructions are not permitted within 4 feet of any fire hydrant, fire department connection or fire protection system valve. Fire hydrants must always be visible and accessible from the fire department access roadway.	VSFPC 507.5.4 SCWSS 2.1.4(I) SCC 12-24								
After flow testing, authorized maintenance crews should mark the bonnet of fire hydrants with a reflective strip and paint the top in accordance with NFPA 291:	VSFPC 507.5.2								
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Fire hydrants shall be procured from the factory painted yellow and installed as a complete assembly in accordance with SCWSS detail 2.4.4-1	SCWSS 2.4.5								



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Fire Hydrant Design Details

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Code Section

SCWSS 2.4.5

