



Stafford County Fire and Rescue Department Office of the Fire Marshal

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



Acceptance Testing/Inspection Checklist for:

Underground Fire Line Flush Test (859)

Applicable Codes and Standards:

VCC – Virginia Construction Code (2018)

VSFPC – Virginia Statewide Fire Prevention Code (2018)

NFPA 13 – NFPA Standard for the Installation of Automatic Sprinkler Systems (2016)

NFPA 24 – NFPA Standard for the Installation of Fire Service Mains (2016)

SCWSDS – Stafford County Water and Sewer Design Standards

Inspection Basics:

Yes	No	Item	Code Section
		Building address posted and visible from the street?	VCC 110.5
		Applicable construction permit posted?	VCC 110.5
		Approved plans on site?	VCC 109.5

If any of these are “No”, the inspection is failed immediately

Key Information:

Yes	No	Item	Code Section
		Is the hose adequately sized? (no smaller than 4”)	NFPA 13/24, 10.10.2.1
		Is the hose adequately anchored? Ensure that you’re witnessing the test at a safe distance. Is there a place for the water to go?	NFPA 13/24, 10.10.2.1 NFPA 13/24, 10.10.2.1.4
		Is the water main valve fully opened? If inadequate flow is evident during the test, it may be necessary to verify if other water main valves are closed.	NFPA 13/24, 10.10.2.1
		Does the water appear to flow smoothly without evidence of a possible obstruction? Check burlap bags for stones, rocks, etc.	NFPA 13/24, 10.10.2.1.2
		Does the water appear to flow consistently clear? The water may fluctuate between clear and dirty initially so when in doubt, let it run.	NFPA 13/24, 10.10.2.1.3
		Is the water moving with sufficient velocity (10ft/sec)? Determine velocity by dropping a pebble in the flow and see how quickly it moves 10 feet. Never stick a pitot gauge in a flush flow. Debris can come out with sufficient force to damage the gauge or injure you.	NFPA 13/24, 10.10.2.1.3
		Ensure that the NFPA “Contractor’s Material and Test Certificate for Underground Piping” is being completed. Final approval (860) requires a completed report.	NFPA 13/24, 10.10.1