



# MARTIN COUNTY FIRE RESCUE

Fire Prevention  
800 SE Monterey Road  
Stuart, FL 34994  
772 288-5633  
Fire\_prev@martin.fl.us



## FIRE UNDERGROUND INSPECTION Checklist

### **Applicable Base Codes**

Florida Fire Prevention Code, 7th Edition  
NFPA 1, Uniform Fire Code, Florida 2018 Edition  
NFPA 101, Life Safety Code, Florida 2018 Edition  
NFPA 13, 2017 edition  
NFPA 72 to 24, 2016 edition

**This document is intended to be a guide and may not contain all requirements needed to obtain permits and approval from Martin County Fire Rescue/Fire Prevention.**

### **Underground Main – Visual (NFPA 24)**

Confirm shop drawings are approved; permit on jobsite

Verify:

- Materials are consistent with approved plans and can resist 200-psi hydro
  - All metallic joints and restraints are corrosion resistant
  - All pipes and joints are properly restrained
  - Depth of cover is at least 30", 36" under driveways and 48" under railroads
- Hydrants:
- Are connected to at least a 6" main
  - Are no closer than 50' from the building of service
  - Are within 100' of the fire department connection
  - Are installed within 5' of a fire department access road
  - Have a center hose outlet not less than 18" ABOVE FINAL GRADE
  - Do not have obstructions within 7'-6" of side ports and 4' to the rear

Confirm backflow prevention devices are consistent with approved plans

Control valves:

- Are consistent with approved plans
- Contain electronic supervision if a fire alarm system is installed
- Include a post-indicating valve from every connection to a building
- Are not provided in the path of a fire department connection



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## Underground Main – Flush (NFPA 24)

- Confirm shop drawings are approved; permit on job site
- Provide a suitable location for discharge of water
- Restrain all piping to prevent damage
- Open valves to generate flow according to the following table:

<input type="checkbox"/> Nominal Pipe Size (in.)	<input type="checkbox"/> Flow Rate (gpm)
<input type="checkbox"/> 4	<input type="checkbox"/> 390
<input type="checkbox"/> 6	<input type="checkbox"/> 880
<input type="checkbox"/> 8	<input type="checkbox"/> 1560
<input type="checkbox"/> 10	<input type="checkbox"/> 2440
<input type="checkbox"/> 12	<input type="checkbox"/> 3520

- Continue flushing operation until foreign matter is cleared
- Close the control valves

## Underground Main – Hydro (NFPA 24)

- Confirm shop drawings are approved; permit on jobsite
- Backfill the trench between joints to prevent movement
- Verify that the contractor has maintained pressure of 200 psi for at least 2 hours
- No loss of pressure allowed
- Relieve all pressure and observe gauge for proper operation
- Contractor's certification paperwork collected at BLD Final

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