



Fire Hydrant and Fire Department Connection Installation Requirements

Installation, Testing, Inspection and Protection:

Fire hydrants shall be provided as required by Osceola County Department of Fire Rescue and Emergency Services, Office of the Fire Marshal. Placement of all fire hydrants, fire department connections, fire lane marking, and signage shall be approved during the site development plan review.

A Florida-licensed underground contractor shall install all fire hydrants and FDCs in accordance with all criteria set forth by NFPA 24, NFPA 13, and FS 633.

After DEP clearances has been achieved, a Florida-licensed contractor, per F.S. 633.102, shall perform a function test on all new fire hydrants. All test results and flow sheets shall be provided to the Fire Marshal's Office upon completion. Osceola County Firesafety Inspectors will confirm all fire hydrants are fully functional, tagged, and that GPS coordinates have been recorded.

Fire hydrants shall set back a minimum of 4 feet from the edge of pavement (when a curb is not provided) or curb.

Fire hydrants shall set back a maximum of 12 feet from the edge of pavement (when a curb is not provided) or curb.

Fire hydrants shall be installed so that the center of the hose outlet shall not be less than 18 inches and no more than 36 inches above final grade.

FDC inlets shall be located no less than 18 inches above finish grade and no more than 48 inches above finish grade.

Fire hydrants and FDCs shall be protected by bollards if subject to mechanical damage.

Fire Lane Marking, Signage, and Clearance:

All fire hydrants and FDCs shall have fire lanes established. Required fire lanes shall extend for a distance not less than 7.5 feet centerline of the hydrant or FDC in both directions. The curbing or roadway shall be painted DOT safety yellow, white, or red for the entire length of the fire lane.

No parking signage shall have the wording "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT" and posted at each fire hydrant and FDC location. Fire lanes signage shall be anodized aluminum, have a minimum gauge of 0.08 inches, and a dimension of 18 inches in height x 12 inches in width. The assigned Firesafety Inspector shall confirm all striping and signage comply with the approved site development plan. If required, additional signage and/or fire lanes shall be provided as determined by the Fire Marshal, or designee. Please see the Contractor's Field Guide for additional information regarding fire lane marking options.



Fire lane marking, signage, and clearance (cont'd):

Fire hydrants shall be marked with a blue reflector affixed to the roadway proximate to the fire hydrant location.

Fire department connections and fire hydrants shall not be obstructed in any manner. Not less than 7.5 feet of clearance shall be maintained from the centerline of each fire hydrant or FDC provided by the required fire lane. Additionally, a space of not less than 60 inches shall be provided in front of each fire hydrant connection having a diameter greater than 2.5 inches and all FDC inlets. No less than 4 feet of clearance shall be maintained behind the centerline of all fire hydrants and FDCs. Maintained grass, mulch, or concrete shall be the ground cover surrounding the appliance, with no vegetation causing trip hazards. Vertical clearance of not less than 8ft shall be maintained in the required clearance area.

All fire department connections require additional signage to be posted; a single sign providing the following information is acceptable.

- a. Such signs shall have the physical address, or the occupancy name called out in red letters at least six (6) inches high on a white background (e.g. "Business Name" or "Bldg. A").
- b. Such signage shall be required whenever an FDC is not readily visible to approaching fire apparatus.
 - i. Such signs shall have "FDC" in red letters at least 6 inches high, and additional relevant information in red letters at least six (6) inches high on a white background (e.g. "Behind Retaining Wall") or a red arrow to indicate the direction of travel to the FDC.
- c. Such signs are required when an automatic sprinkler system supplied by an FDC requires pressure in excess of 150 psi to meet the greatest system demand (NFPA 13).
 - i. The sign requirements required by NFPA 13 shall not be required where the system demand pressure is less than 150 psi. (8.17.2.4.7.3 NFPA 13)

