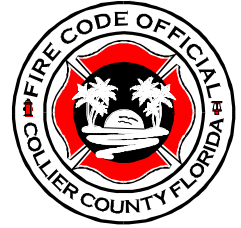


# Collier County Fire Prevention and Protection Code

## POLICY AND PROCEDURE MANUAL



**ARTICLE NUMBER:** UND 09-2

**EFFECTIVE DATE:** 4/20/2009

**SUBJECT:** Underground Fire Protection System Water Piping  
Permit Submittal Requirements

**OBJECTIVE:** Clarify and Establish Minimum Data and Diagrams Necessary  
To obtain an Underground Fire Protection System Water Pipe  
Permit Within Collier County

### **BACKGROUND:**

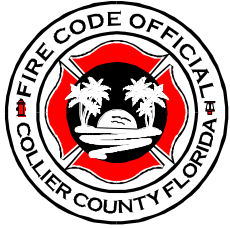
NFPA 24, Standard for the Installation of Private Fire Service Mains and Their Appurtenances, 2002 Edition, has been adopted by the State of Florida. This standard regulates the installation of all fire protection water supply pipe lines on private property.

The Office of the Fire Code Official has an obligation to review these systems and verify contractor licensing as well as system design compliance. Fire district inspectors have an obligation to inspect these installations for proper materials and construction. These reasons compel an official building permit through the Community Development and Environmental Services Division of Collier County.

### **POLICY/PROCEDURE:**

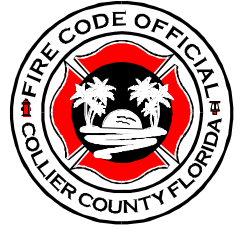
All persons wishing to install a dedicated fire protection system as defined by F.S 633.021(9) shall complete an "Express" permit application at the front counter of the Community Development Building at 2800 North Horseshoe Drive, Naples. Each connection/tap to the Public Water Utility shall be required to have a separate application and permit. Furthermore a separate permit is required for each connection/tap to an existing fire protection system. A maximum of two structures may be served by a single tap. Each building shall have a separate fire department connection (FDC). Information required on the plans (3 copies) is as follows:

1. A site plan and necessary detail sheets drawn to scale and including:
  - (a) Size and location of all water supplies and point of connection to public water mains.
  - (b) Size and location of all piping, indicating, where possible, the class and type and depth of existing pipe, the class and type of new pipe to be installed, and the depth to which it is to be buried. Underground pipe materials serving NFPA 13R and 13D systems need only conform to national plumbing standards.
  - (c) Size, type, and location of valves. Indicate if located in pit or if operation is by post indicator or key wrench through a curb box. Indicate the size, type, and location of meters, regulators, backflow prevention assemblies and check valves. Provide manufacturer cut sheets and specifications of pressure loss and listing.
  - (d) If available, roadway and building footprints
  - (e) If available, sprinkler and standpipe risers to be supplied by the system.



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- (f) Location of fire department connections, if part of private fire service main system, including detail of connections.

2. A copy of the approved and stamped Site Development Plan issued by Collier County.

If this work proposes deviation from the approved SDP, an “Insubstantial Change” petition must be processed through Collier County Engineering Review at the Community Development office. Upon review by this office for compliance with these specifications, a permit for construction will be issued. Work must not proceed without a permit.

The fire district inspector will need to make a minimum of three site visit inspections. They are as follows:

1. First Inspection – Pipe Materials, Valve/Backflow Device(s), Burial Depth, Joint Restraint/Thrust Blocking, Backfill Materials, Hydrostatic Pressure Test and general workmanship and integrity of the installation.
2. Second Inspection – Full Bore Flush, Finish Grade, Painting and Marking.
3. Third Inspection (Final) - Acceptance test

Upon successful completion of construction and inspection by fire district personnel, a Notice of Fire Compliance will be issued by the fire district. The Building Department Copy of the Notice of Fire Compliance must be returned to the Community Development office. Upon receipt of this notice and payment of any outstanding fees, the Community Development office will issue a Certificate of Completion. The Certificate of Completion must be obtained or the permit will be canceled after six months of inactivity, necessitating reapplication and repayment of permit fees.

### CODE REFERENCES:

F.S 633.021(9), NFPA 24; Standard for the Installation of Private Fire Service Mains and Their Appurtenances, 2002 Edition, Policy & Procedure UND 09-1

### ATTACHMENTS:

None.

**DISTRIBUTION:** Big Corkscrew Island Fire District; East Naples Fire District; Golden Gate Fire District; Immokalee Fire District; Isle of Capri Fire District; North Naples Fire District; Ochopee Fire District; City of Marco Island Fire Department; Building Director, Collier County Community Development; Chief Inspectors, Collier County Community Development; Collier County Community Development Records; Collier Building Industry Association (CBIA); Subscribers