



Daytona Beach Fire Department

Fire Safety Unit

"Protectors of Life and Property"

Administrative Procedure

Fire Department Connections

Purpose:

The purpose of this policy is to establish procedure and guidelines for the design of Fire Department Connections (FDC) within the city limits of Daytona Beach.

Scope:

This policy is to outline the design, location, and installation requirements for all Fire Department Connection (FDC).

Definitions:

1. Fire Department Access- The road or other means developed to allow access and operational setup for fire-fighting and rescue apparatus.
2. Fire Department Connection- A connection, through which the fire department can pump supplemental water into the sprinkler system, standpipe, or other system, furnishing water for fire extinguishment to supplement existing water supplies.
3. Knox FDC Caps- Caps used to protect the fire sprinkler system against damage or being blocked with debris.

Procedure:

1. All FDC's shall be reviewed by a plans examiner to ensure compliance with all applicable codes. In the review process, the examiner must ensure that the FDC is designed appropriate for the building and installed in an approved location.
2. All FDC's are required to have standard threads that have swivel fittings with 2 -2.5" connections.
3. Knox Plugs are required to be installed so the FDC is properly secured and arranged for easy removal. All new installations will be required to have the Knox Plugs prior to final inspection. An existing building with an FDC will be

required to install Knox Plugs where the fire inspector has observed and documented an FDC is not secured.

4. The recommended location for installation is a free standing connection. If possible, all connections should be placed at the front of the building closest to fire department access. In the event that a free standing FDC is impractical, a wall mounted FDC may be installed. See both attachments for design requirements. At no point shall an FDC be placed on a backflow device unless otherwise approved by the Fire Chief or his designee.

Location and Identification:

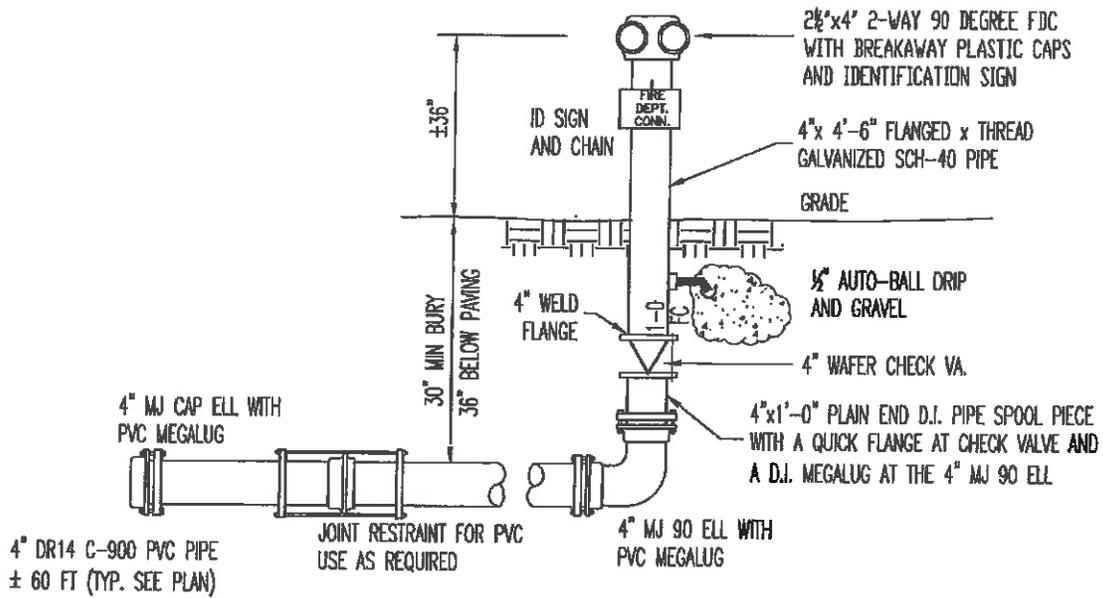
1. All fire department connections shall be installed no more than 100 feet from a hydrant and approved water supply, visible and recognizable from the street or fire department access, and placed at the nearest point for fire department apparatus accessibility.
2. Where a fire department connection services multiple buildings, structures, or locations, a sign shall be provided indicating the buildings, structures, or locations served.

Attachments:

1. See attached diagrams for sample references.

References:

1. All FDC's are required to be installed in accordance with NFPA 13, Standard for Automatic Sprinkler Systems.
2. NFPA 24, Installation of Private Service Mains and their Appurtenances
3. All connections shall be in accordance with the NH standard thread for couplings specified in NFPA 1963, Standard for Fire Hose Connections.



FIRE DEPARTMENT CONNECTION DETAIL

N.T.S.

GALV. PIPE TO BE TAR-COATED BELOW GRADE