



Fire Prevention Division

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SUPPLEMENTAL RULES & REGULATIONS

Number:	08-903.3.7		
Subject:	Fire Department Connections		
Code:	2003 International Fire Code	Code Section:	903.3.7
Effective Date:	June 5, 2008	Issued by:	Fire Marshal Roger Parker <i>Roger Parker</i>
Revision Date:	November 29, 2010	Issued by:	Fire Marshal Roger Parker <i>Roger Parker</i>
Supersedes:	NA	Date:	NA

AUTHORITY:

§104.1 of the 2003 International Fire Code authorizes the fire marshal to render interpretations of the fire code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions.

PURPOSE:

To clarify the intent of the fire code amendment and establish rules and regulations regarding requirements for fire department connections (FDC).

SCOPE:

This regulation covers all facilities, buildings, or uses within the City of Avondale after the effective date.

GENERAL:

The 2003 International Fire Code §903.3.7, states:

Fire department connections. *The location of fire department connections shall be approved by the fire code official.*

The 2003 International Fire Code §903.3.7, as amended by the City of Avondale, states:

Fire department connections (FDC's) shall comply with the City of Avondale Engineering Design Standards and shall be approved by the fire marshal. The FDC's shall be located within 150 feet (15240 mm) of a municipal fire hydrant connected directly to a city water main.

SUPPLEMENTAL RULE OR REGULATION:

The intent of this fire code amendment is to require a fire department connection (FDC) to be located on the fire sprinkler riser in accordance with the 2002 National Fire Protection Association (NFPA) Standard 13, Section 8.16.2. The fire department connection (FDC) on the riser makes it possible for the fire department to supplement the water supply and pressure directly into the building sprinkler system. The fire department connection (FDC) on the riser is in addition to the fire department connection (FDC) that is located on the backflow prevention devices. The fire department connection (FDC) on the backflow prevention device makes it possible for the fire department to supplement the water supply and pressure into the private fire protection water supply system.

For buildings with National Fire Protection Association (NFPA) 13R systems at least one 1½ inch fire department connection (FDC) shall be provided for buildings that exceed 2000 ft² or are more than a single story.

Stand alone remote fire department connections (FDC) are discouraged and must be approved in advance by the fire marshal. Remote fire department connection's (FDC) are subject to vehicular damage, require increased maintenance, and can be confusing to firefighters when trying to determine which building the remote fire department connection (FDC) serves.

FDC's serving a building fire sprinkler system shall be located within 150 feet (15240 mm) of a fire hydrant (public or private).