



This guide is intended as a resource for the installation of fire hydrants to serve as the water supply for commercial and residential developments. Please refer to the 2015 International Codes as adopted and amended by City of Rockwall for all requirements. Note: The City of Rockwall Engineering Department may have additional requirements for fire hydrant installation.

Fire Hydrant Details

- 1) Fire hydrants are required to have (2) 2½" connections and (1) 4½" steamer connection. (NST)

Fire Hydrant Location

- 2) Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exceptions:

- (1) For Group R-3 and Group U occupancies, the distance requirement shall be 600 feet.
 - (2) For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 600 feet.
- 3) Fire hydrants shall be located 6 feet behind the edge of the fire apparatus access roadway/fire lane pavement. Unless otherwise specifically approved.
 - 4) Fire hydrants shall be at every street intersection, or as otherwise required by the fire code official.

Fire Hydrant Supply

- 5) The total number of fire hydrant required will be based upon an evaluation of the projected fire flow required for the building(s).
- 6) Fire hydrants utilized to meet the requirements of this section shall be available to fire department personnel with no obstructions which can not be crossed by fire fighters pulling hose lines.
- 7) Existing fire hydrants to be considered for use shall be indicated on the plans.
(Existing fire hydrants on adjacent properties shall not be considered available unless fire apparatus access roads extend between properties and easements are established to prevent obstruction of such roads. Existing fire hydrants on public streets are allowed to be considered as available where streets are not provided with median dividers which cannot be crossed by fire fighters pulling hose lines.)

Fire Hydrant Access & Protection

- 8) A 3-foot clear space shall be maintained around the circumference of fire hydrants. (See Figure)
- 9) Where fire hydrants are subject to impact by a motor vehicle, guard posts or other approved means shall comply with IFC Section 312 as approved by the Rockwall Fire Marshal Division.

Fire Protection Systems

- 10) The Fire Department Connection (FDC) is required to be within 100-feet as the hose lays of a fire hydrant.

Additional Requirements

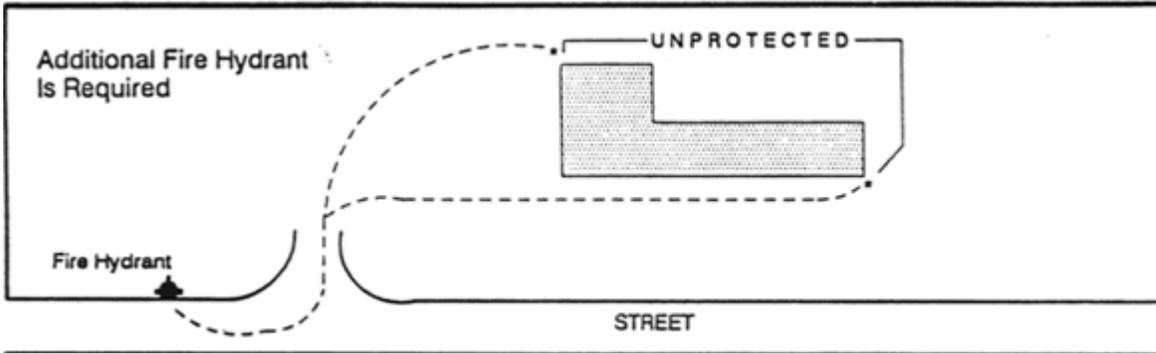
- 11) Fire hydrants shall be installed and maintained PRIOR TO VERTICAL CONTRUCTION of any building or structure.



Standard Details

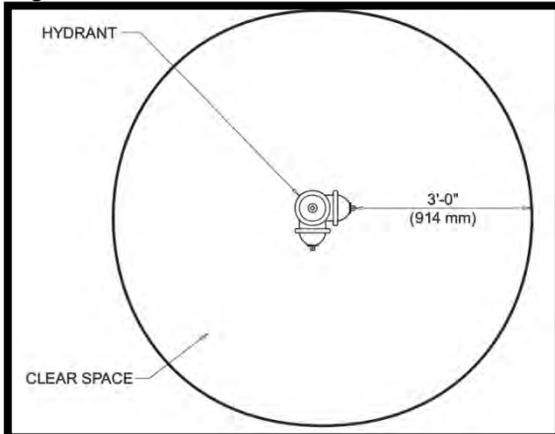
Fire Hydrant Coverage

Figure 1



Fire Hydrant Clearance Detail

Figure 2



Fire Hydrant Guard Post Clearance Detail

Figure 3

