



Celina Fire Department

Fire Prevention Division

302 W. Walnut Street #200

Celina, Texas 75009

Phone 972-382-2653

Fire Hydrants

These guidelines are to be followed when a building or structure within the City of Celina is required to provide approved fire hydrants. All fire hydrant criteria for the purposes of this guideline and any other guidelines, or requirements of the Fire Department shall conform to the 2006 International Fire Code, as adopted and amended by the City of Celina and the City of Celina Engineering Standards. This guide does not replace, nor supersede any adopted codes and/or ordinances adopted by the City of Celina or determinations and positions of the Fire Chief or Fire Marshal.

Water Supply

1. An approved water supply capable of supplying required fire flow for fire protection shall be provided to all buildings, as set forth in Appendix B of the 2006 IFC.
2. Total Fire Flow requirements depend upon the type of construction and number of square feet.
3. Fire flow for one-and two-family dwellings, which do not exceed 3,600 square feet, shall be 1,000 gallons per minute. Fire flow and flow duration for dwellings having a fire area in excess of 3,600 square feet shall not be less than that specified in Appendix B of the IFC.
4. An additional fire hydrant will be required for every 1,000 Gallons per Minute (GPM), or portion of fire flow required. (Example: Fire flow of 1,100 gpm. is required. Two fire hydrants will be required to supply this amount).
5. In general, fire hydrants shall be located at each street intersection and at intervals on the interior of each block.
6. Fire Hydrants shall be required on the same side of the street that the building is being built upon, when the street is designated as a minor arterial or larger. All streets with median strips, regardless of size, shall have required fire hydrants on the same side of the street as the construction.
7. All required fire hydrants shall be in place and accepted before any construction continues above the slab.
8. A three-foot (3') clear space shall be maintained around the circumference of all fire hydrants.
9. Upon installation of new hydrants, the center of the fire hydrant shall be approx. 2.5 feet from the back of a curb.
10. Reflective fire hydrant spotters shall be installed in all streets at a point adjacent to the fire hydrants. (Section 4.05(8) (i) of the Subdivision Ordinance)
11. The location and number of fire hydrants connected to a water supply capable of delivering the required fire flow shall be provided as follows. (See Section 508 and Appendix C in the 2006 IFC for further clarification)

- a) **For all sprinklered occupancies**, fire hydrants shall be installed when any portion of the building protected is in excess of six hundred feet (600'), as measured by the laying distance for fire apparatus hose lines along an approved route around the exterior of the buildings.
 - b) **For all unsprinklered occupancies**, fire hydrants shall be installed when any portion of the building protected is in excess of four hundred feet (400'), as measured by the laying distance for fire apparatus hose lines along an approved route around the exterior of the buildings. **Exception:** All Group R-3 and Group U occupancies shall remain at six hundred feet (600').
 - c) For all Group R-3 developments, fire hydrants shall be spaced along fire apparatus access roads every 500 hundred feet (500') and located at each intersection.
12. A fire hydrant shall be installed no more than one hundred feet (100') from the Fire Department connection for a standpipe or automatic sprinkler system. The Fire Department Connection (FDC) shall be within fifty feet (50') of a fire lane.

Chief Mark Metdker mmetdker@celina-tx.gov

Captain Keith Brumfield kbrumfield@celina-tx.gov