**2.8.6 - Fire Hydrants**

Fire hydrants shall be installed according to the standard detail for fire hydrants as contained in the Woodland Hills City Development and Construction Standards.

Fire hydrants shall be 6-inch water cast iron Muller Modern Construction or approved equal and conform to Specification C-502-64 of the American Water Works Association, including a 6-inch gate valve and valve box complete for a 4’ -6” trench with one 4-1/2 inch streamer nozzle and two 2-1/2 inch hose nozzles. Hydrant shall open to the left and be frost proof. The threads shall be National Standard Fire Hose Thread. All outlets will have a national standard thread and the hydrant shall be red in color.

Fire hydrants shall be located according to the following requirements:

1. For any continuous or through street, the minimum number of fire hydrants available to a building shall not be less than 1 hydrant per 500 feet and the maximum distance from any point on a street or road frontage to a hydrant is 250 feet as measured along the right-of-way. On CUL-DE-SACS OR dead end streets or roads, the spacing between hydrants shall be 400 feet and the maximum distance from any point on a street or a road frontage to a hydrant shall be 200 feet as measured along the right-of-way.

2. If the rear of the building or structure is located within 150’ from the road frontage, measured along the driveway, no additional hydrants are required to be installed.

3. If the rear of the building or structure is in excess of 150’ from the road frontage, measured along the driveway, the following requirements shall apply:

If any portion of a building or structure is in excess of 150’ from the road frontage to the rear of the structure as determined by the City Engineer and/or the City Fire Chief, the builder or lot owner shall provide on-site fire hydrants and mains supplying required fire flow according to the following cases:

Case 1- If the rear of the building or structure is located between 150’ and 200’ from the road frontage, as determined by the City Engineer and/or the City Fire Chief, an on-site fire hydrant shall be provided at the driveway entrance of said building or structure.

Case 2- If any portion of a building or structure is greater than 200 feet from the road frontage, as determined by the City Engineer and/or the City Fire Chief, an additional on-site fire hydrant shall be provided along the driveway as well as an approved fire apparatus (fire truck) turnaround and driveway. The turnaround and driveway shall be an all-weather surfaced roadway not less than 20 feet wide, with a minimum vertical clearance of 13 feet 6 inches AND CONSTRUCTED ACCORDING TO DRIVEWAY STANDARDS. Approved turnarounds consist of bulb turnarounds not less than 80 feet in diameter or a hammerhead turnaround with front and rear turning points not less than 32 feet in length.

* + 1. 4. New Subdivisions. Prior to final plat approval, a developer shall identify on the final plat all lots and placement of fire hydrants as required by this section.
		2. 5. Existing Subdivisions. Issuance of a building permit is contingent on the builder or owner complying with the provisions of these requirements.
		3. 6. The lot builder/owner or developer, through a licensed professional engineer licensed in the State of Utah, shall demonstrate that a minimum fire-flow rate of 1,500 gallons per minute is available at each hydrant required in this Section and that this flow can be sustained a minimum of 2-hours for a total of 180,000 gallons.