FIRE HYDRANT ASSEMBLY

Hydrants: All hydrants shall conform to AWWA C502*. They shall be "traffic break away" type with safety flange and stem coupling at the finished grade line. Hydrants shall open counter-clockwise and shall have "o" ring stem seals. The upper barrel section shall have two (2) – 2 ½ inch and one (1) – 4 ½ inch outlet nozzles all with National Standard Threads and 1 ½ inch pentagon nuts. The lower barrel section length shall provide 5-foot minimum cover. Inlet connection shall be 6-inch standard mechanical joint with a 5 ½ inch main valve opening. Precast concrete blocking shall be used to support hydrants as shown on Standard #27. Sufficient clean one (1) inch rock, CA-7, or equivalent rock shall be placed around the base of the hydrant to provide an adequate drain field. Rock must be placed to a minimum depth of six (6) inches above the lower flange. Exterior hydrant color to be approved by the Village.

Approved hydrants are:

Iowa 5 ½" F-5110 Break Flange
Mueller Super Centurian
Clow Medallion

Where fire hydrant assemblies are called for, they shall include the required 6-inch gate valve and cast iron valve box and 6-inch Pressure Class 350 D.I.P. connecting pipe and fittings as shown on Standard #27, and detailed on drawings.

Fire hydrant depth of bury shall be limited to seven (7) feet. If the depth of bury would exceed seven (7) feet, provide two 45-degree fittings with thrust blocks, and/or approved restrained joints, in connecting main to limit depth of bury to six (6) feet.

Fire Hydrant Specification for Coal Valley, Illinois 61240

Fire Hydrants shall be manufactured in accordance with AWWA Standard C502, be listed by Underwriters Labratories, Inc. and have Factory Mutual approval.

Fire Hydrants shall be designed for 250 psi working pressure and tested to 400 psi hydrostatic pressure.

Fire Hydrants shall be backed by manufacturer's 10-year limited warranty.

Fire Hydrants shall be dry-top center stem construction having O-Ring sealed lubrication reservoir.

Fire Hydrant shall be manufactured with operating nut and thrust nut made of bronze, with bearings located both above and below the thrust collar and with operating nut protected by a cast-iron weather shield.

Fire Hydrant shall be manufactured with nozzles mechanically locked into the barrel and having O-Ring pressure seals.

Fire Hydrant Shall be a "Traffic Model", complete with safety flanges and steel stem coupling.

Nozzle section must rotate 360 degrees.

Fire Hydrant shall be manufactured with a main valve seat ring of bronze threaded into a bronze drain ring.

A 360 degree drain channel shall have a minimum of two drain outlets.

Fire Hydrant shall have an upper valve plate and two urethane rubber facings that activate the drain ports.

Fire Hydrant shall have a lower valve plate that bottoms out in the shoe for maximum opening.

Fire Hydrant shall have a 1 ½" pentagon operating nut and open left.

Fire Hydrant shall be 3 way with two 2-1/2" and one 4-1/2" NSHT Nozzles.

Fire Hydrant shall be painted RED.

Fire Hydrant shall have 6" mechanical joint inlet.

Fire Hydrant shall be manufactured with a minimum main valve opening of 5-1/4 inches.

Fire Hydrant shall have 304 stainless steel bolts and nuts for the break flange and shoe assembly.

Approved hydrant is Medallion F-2545 as manufactured by Clow Valve Company of Oskaloosa, Iowa.