

COMMERCIAL DEVELOPMENT WATER SYSTEM NOTES

May 8, 2013

CHWD in SACRAMENTO METROPOLITAN FIRE DISTRICT

- F-1. Contact the Sacramento Metropolitan Fire District Fire Prevention Bureau (Phone (916) 859-4330) and the Citrus Heights Water District (Phone (916) 725-6873) prior to the installation of fire hydrants and upon storage of combustible materials on site.
- F-2. Fire hydrants shall be American Darling B84B or Mueller A-423 and a minimum bury length of forty-eight inches (48") with a mechanical joint inlet. Fire hydrants are to be factory painted Rustoleum Gloss White. Fire hydrant drain holes shall be plugged and verified by contractor and during the hydrostatic pressure test.
- F-3. Fire Hydrant outlets shall be national standard threads with metal protector caps. One 4½-inch "steamer" outlet and two 2 ½-inch outlets are required.
- F-4. Fire hydrants shall be located as shown on the plan as approved by the Fire District with the 4½-inch outlet rotated toward the traffic lane unless otherwise specified. Fire hydrants shall be installed with centerline of outlets a minimum of eighteen inches (18"), and a maximum of twenty inches (20") above finish grade. Fire hydrants shall be placed between eighteen inches (18") minimum to twenty-four inches (24") maximum behind the sidewalk or planter curb to centerline.
- F-5. There shall be no obstructions, including plants, within a thirty-six inch (36") radius of any fire hydrant. There shall be a seven foot (7') vertical clearance above the thirty-six inch (36") clear radius around any fire hydrant. Concrete access pads are required to be installed around all fire hydrants unless otherwise specified by the Plans or Detail Drawings.
- F-6. Fire hydrants and protection barricades, when required, shall be cleaned of all loose debris and painted using a manufacturer's recommended primer coat and finished with a minimum of two (2) coats of Rustoleum Gloss White enamel.
- F-7. Pressure sensitive blue markers shall be installed for fire hydrants to Fire District specifications.
- F-8. All fire hydrants shall be installed prior to any construction or storage of combustible materials on the site. The hydrants shall be accessible via an all-weather driving surface, temporary or otherwise, during all phases of construction.
- F-9. Protection barricades, when required, shall consist of a six foot (6') length of six inch (6") Schedule 40 black steel pipe filled with concrete and set in concrete to a depth of thirty-six inches (36") in a twelve inch (12") diameter hole. Barricades shall be placed thirty-six inches (36") apart unless otherwise noted. Barricades shall not obstruct the operation of the device being protected.
- F-10. When required, fire sprinkler underground mains to be constructed downstream of the fire sprinkler connection shall be sized by a licensed fire protection engineer or fire sprinkler contractor and installed pursuant to the requirements of the Fire District. Fire sprinkler underground mains shown on these plans are not approved for construction. Fire sprinkler

underground main plans shall be submitted under separate cover to the Fire District for review and approval. Construction of water distribution facilities upstream of and including the fire sprinkler connection shall be constructed by a California Class "A" General Engineering Contractor pursuant to CHWD Note WS-1. The contractor shall confirm the Fire District-approved size of the fire sprinkler connection prior to installation.