



FONTANA FIRE PROTECTION DISTRICT

8353 SIERRA AVE., FONTANA, CA 92335

Phone : 909.428.8890 Fax: 909.350.7676



PROVIDE THE FOLLOWING FIRE DEPARTMENT NOTES ON THE PLAN:

- a. The installation of the on-site water system shall comply with all the requirements of NFPA 24 2019 Edition, SBCoFD Fire Standards, and the 2022 California Fire Code.
- b. All fire flow requirements, hydrant type, number of hydrants, and spacing of hydrants shall be provided as per planning application, conditions of approval, 2022 California Fire Code, San Bernardino County Fire Standards, and NFPA-24.
- c. No combustibles shall be brought on site prior to the on-site water system being installed and approved by the Fontana Fire Prevention.
- d. The following inspections are required:
 1. Thrust block pre-pour, trench, MEGA-LUG, and backfill inspection. Prior to backfilling.
 2. Underground hydrostatic test per NFPA-24, 200 psi for 2 hours.
 3. Underground flush, prior to connection of any overhead piping.
 4. Underground final. Prior to scheduling a final inspection, a copy of the "Contractors Material and Test Certificate for Underground Piping" shall be filed with this office.
Contact the Fontana Fire Prevention at 909-428-8890 a minimum of 48 hours in advance to schedule an inspection.
- e. Any piping not shown on this approved plan is not part of this approval. Any additional piping that is to be installed will require a separate plan submittal requiring the approval from the Fontana Fire Prevention.
- f. Ductile iron pipe shall be installed within five feet of the building footing.
- g. No joints shall be installed under the building foundation footings. The supply line to the fire sprinkler riser(s) shall be a UL listed one-piece solid sweep.
- h. All underground bolts and stainless-steel sweeps shall be wrapped in protective plastic.
- i. Sectional control valves shall be of the post indicating type and will be monitored. Underground gate valves with roadway boxes are not acceptable as sectional control valves. And is required when the fire service main system serves more than five fire appurtenances.
- j. The fire flow calculations shall be based on water flow test information conducted within 6 months of the underground plan submittal application date.
- k. Fire hydrant type shall be 6" x 4" x 2 1/2" x 2 1/2" with breakaway spools or breakaway bolts are required.
- l. The Civil Engineer who design the water system hereby certifies that this water system is in accordance with the requirements as prescribed by the Fontana Fire Prevention, the California Fire Code and NFPA 24 2019 Edition and San Bernardino County Fire Standards.

m. On site fire hydrants, post indicator valves and fire department connections located less than **three feet (3 feet)** behind the face of curb or when no curb is provided shall be protected by guard posts set in concrete to the following specifications:

- Construction of steel not less than 4-inches in diameter and concrete filled.
- Spaced not more than 4-feet between posts on center.
- Set not less than 3-feet deep in concrete footing of not less than a 15-inch diameter.
- Set with the top of the posts not less than 3 feet above ground.
- Located not less than 3-feet from the fire hydrants, post indicator valves and Fire department connections.
- All guard posts shall be painted safety yellow.

n. The fire sprinkler riser is recommended to have a minimum of 18-inch clearance shall be provided to each side and the front of the riser. No other equipment other than the fire alarm control panel shall be located within this room. A door with minimum dimensions of 3' x 6'-8" shall be provided.

o. All post indicator valves (sprinkler control and sectional control) shall be locked open and supervised by the building fire alarm system.

p. There shall be a minimum clearance of 12 inches between fire line and all other underground utilities. The 12 inches clearance is measured from outside to outside of pipe.

q. All water lines shall have a minimum cover of 36 inches measured from top of pipe to finish grade. And 12 gauge tracer wires shall be installed.

r. A 3-foot clear space shall be maintained around the circumference of fire hydrants, PIV/FDC, DDC and all fire appliances.

s. Applicant shall coordinate point of connection of underground water systems with applicable water purveyor. Such coordination may include, but not limited: additional financial arrangements, facility design, plan review and facility testing.

t. The fire department connection (FDC) shall be located within 100 feet of a public or approved fire hydrant.

u. Fire sprinkler risers shall have a sleeve with a minimum of 2-inches of clearances for pipes up to 3 1/2" in size and 4-inches of clearance for pipe sizes 4 inches and greater.

v. Water supply tests shall be witnessed by the Fire Code Official or approved documentation of the test shall be provided to the Fire Code Official prior to final approval of the water supply system.

