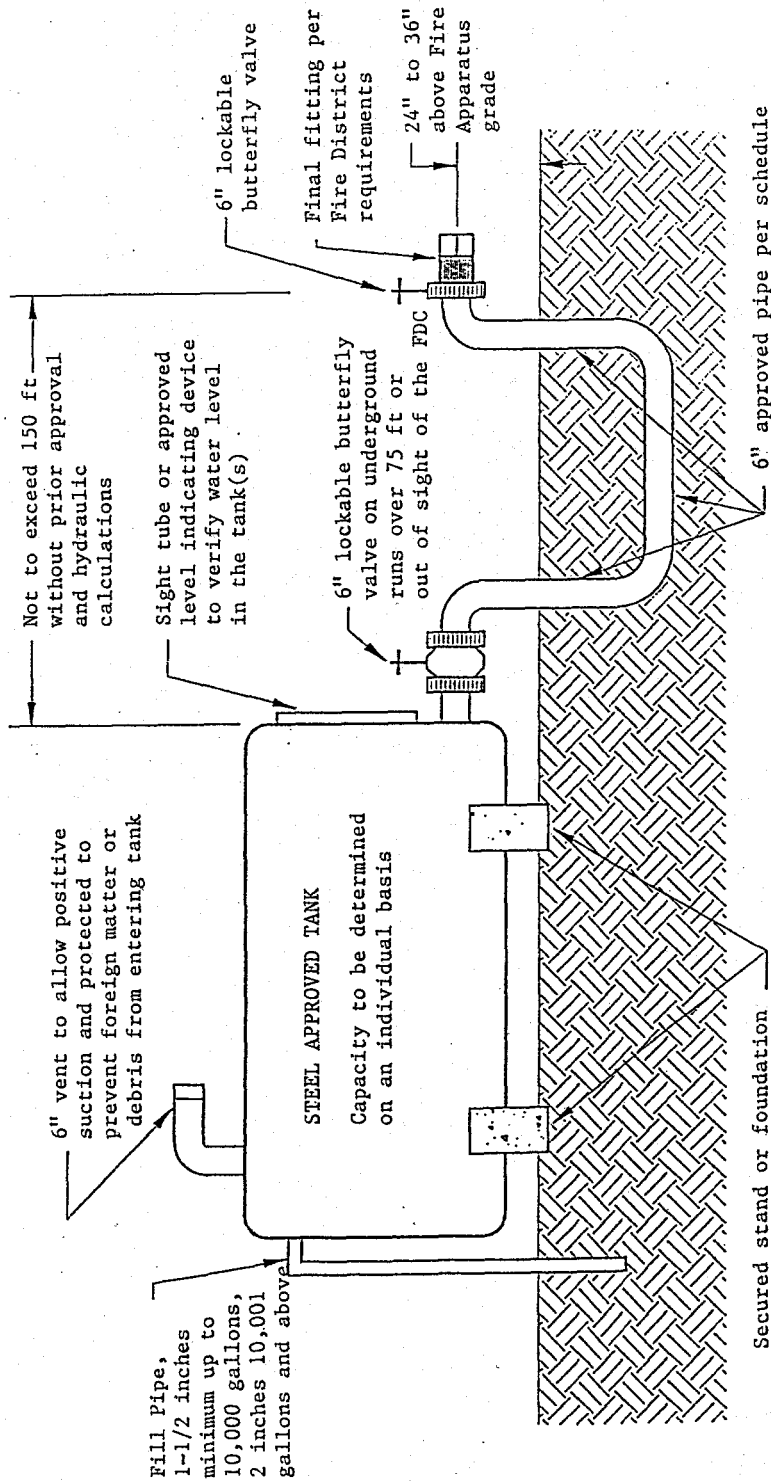


SAN JOAQUIN COUNTY FIRE CHIEFS' ASSOCIATION
ABOVE GROUND STATIONARY STATIC WATER SUPPLY SYSTEM

The San Joaquin County Fire Chiefs' Association has adopted the following guide for providing a stationary static water supply utilizing above ground tanks.

1. Tank capacity and installation will be in accordance with the San Joaquin County Ordinance code, Section 4-1008. (NFPA 1231)
2. An automatic fill device shall be installed so that the required capacity of the tank will never drop more than 5 percent. Fill pipe shall be 1-½ inches in diameter up to 10,000 gallons, 2 inches for 10,001 gallons and above, and as per attached drawing.
3. A sight tube or approved level-indicating device shall be installed for the purpose of visual inspection of water level in the tank. If a sight tube is installed, it shall be constructed of clear plastic tubing and have a shut-off valve at the lowest point for the purpose of maintenance or replacement.
4. The tank shall be equipped with a venting system to eliminate the possibility of collapse. The vent shall be a minimum of 6" diameter and protected to keep foreign matter and debris from entering the tank.
5. Discharge outlet from the tank and discharge line shall be a minimum of 6" with a lockable butterfly valve at the tank on installations where the dry hydrant is over 75 feet from the tank or out of line of sight.
6. Fire Department connection (FDC) shall be equipped with a 6" lockable Butterfly Valve connected to the type of outlet specified by each individual fire district. The FDC may not exceed a distance of 150' from the tank without engineered hydraulic calculations. The centerline of the outlet of the FDC shall be placed from 24 inches to 36 inches above grade (grade of fire apparatus using draft connection).
7. Positioning and access of tank and fire department connections shall be determined "prior" to installation by the local fire chief and in accordance with this standard.
8. When necessary according to location and or traffic, barriers shall be required for the protection of the FDC or the tank or both.
 - Barriers shall be constructed of steel not less than 4 inches in diameter and concrete filled.
 - Spacing shall not exceed 4 feet on center between barriers.
 - Barriers shall be set in a footing of 15 inches in diameter and a minimum of 24 inches deep.

- The barriers shall be a minimum of 3 feet above grade and not less than 5 feet away from the tank nor 3 feet from the FDC.
9. It will be the responsibility of the owner and or occupant to maintain and service the Static Water Supply System and to assure that unobstructed access to the FDC is maintained at all times.
 10. The Fire Chief having jurisdiction shall make final approval as to the type, size and placement of the FDC prior to installation.
 11. In the event that more than one tank is needed to provide the required fire flow, a minimum of 6" approved pipe shall permanently interconnect the tanks. This connection between tanks shall be made at the lowest possible point on the tanks and shall be at a point where all water in the tanks may be used without re-attachment.
 12. San Joaquin County building permits may be required to complete this type of system. Check with the San Joaquin County Community Development Department, Fire Prevention Division at (209) 468-3380, or the Building Division at 209-468-2098.



APPROVED PIPE TYPE SCHEDULE

Underground

JM Blue-Brute Class 150, or C-900

PVC schedule 80

Ductile Iron

Above Ground

Ductile Iron

Galvanized Steel

Static Water Supply Guideline

Deviations may be approved on an individual basis.