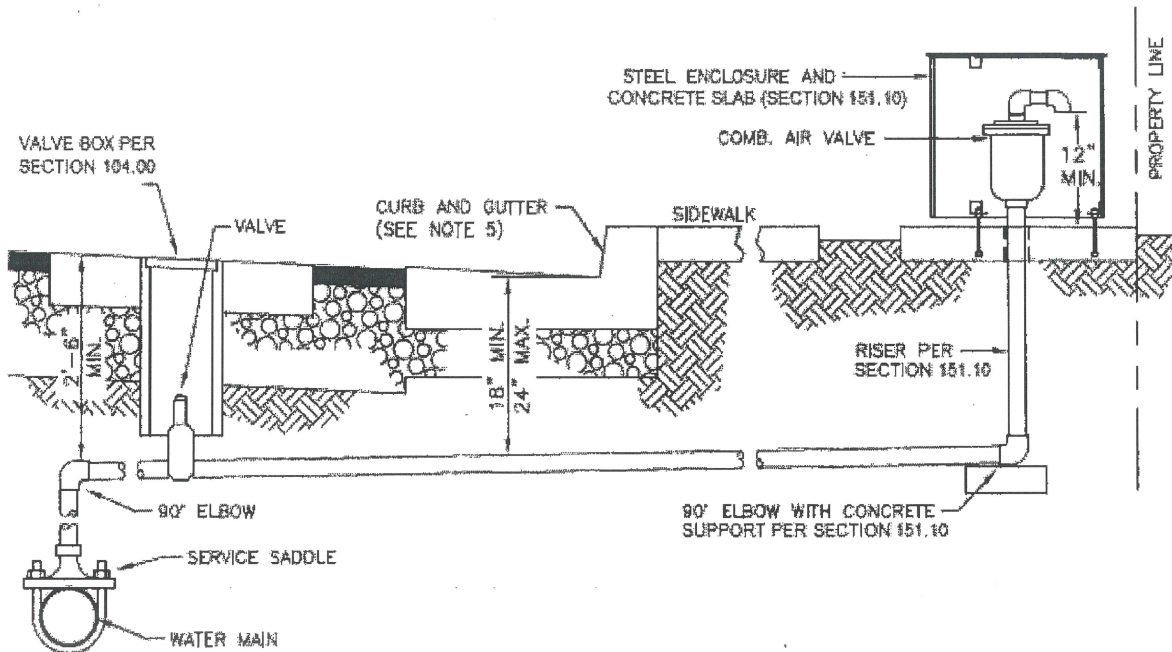


## SECTION 151.00

### COMBINATION AIR VALVE (CAV) AIR AND VACUUM-AIR RELEASE



#### NOTES:

1. California Waterworks Standards, Title 22, for air and vacuum relief valves states the following:
  - a. Vent openings for air and vacuum relief and air release valves (Case 1) shall be:
    - Extended at least one (1) foot (0.3m) above grade and above maximum recorded high-water level.
    - Downward facing and screened.
  - b. Where the requirements of (a)(1) cannot be practicably met, vent openings may be located in a subsurface chamber or pit (Case 2) under the following conditions:
    - Pit is adequately drained (Method to be approved by the District Engineer).
    - The pit drain is not connected by pipe or other closed conduit to a sewer or storm drain without an air separation.
2. Combination Air Valve (CAV) shall be installed on all pipeline high points and in change-in-grade locations where air pockets may accumulate. A CAV shall be installed at high points and at intervals of 1,500 to 2,000 feet on long pipe runs lacking a clearly defined high point.
3. All materials shall be approved materials as listed in Section 100.00 and shall be installed in accordance with the appropriate standards as listed.
4. In the case of pressure (HOT) tap, a corporation stop shall be installed.
5. The minimum acceptable size Combination Air Valve (CAV) shall be 2 inches. Size of CAV shall be engineered to manufacturer's specifications.