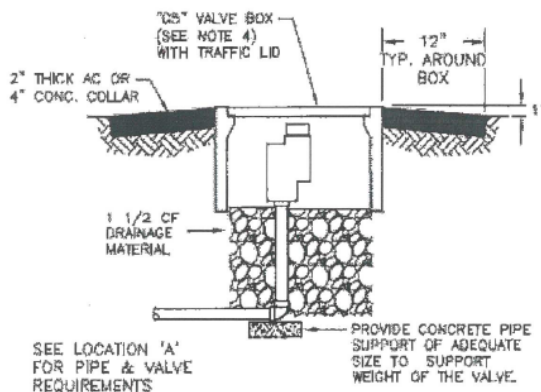
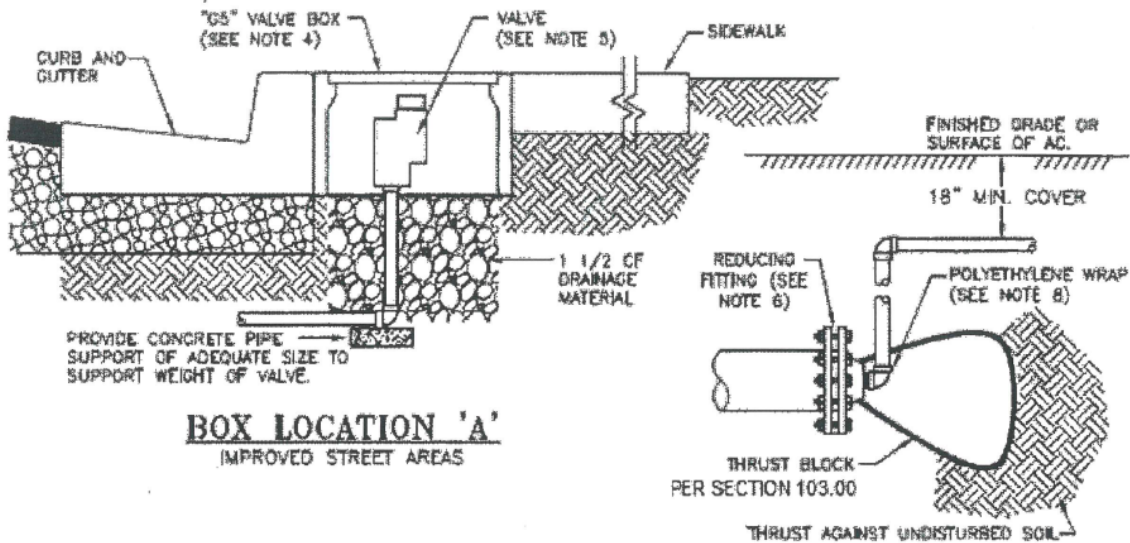
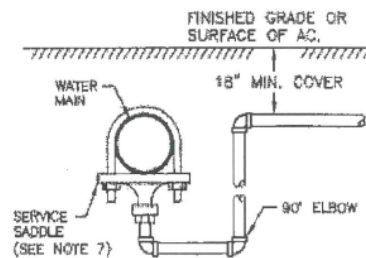


SECTION 150.00

TYPICAL BLOW-OFF INSTALLATION



CASE 1
DEAD END INSTALLATION
EXAMPLE: AT CUL-DE-SAC



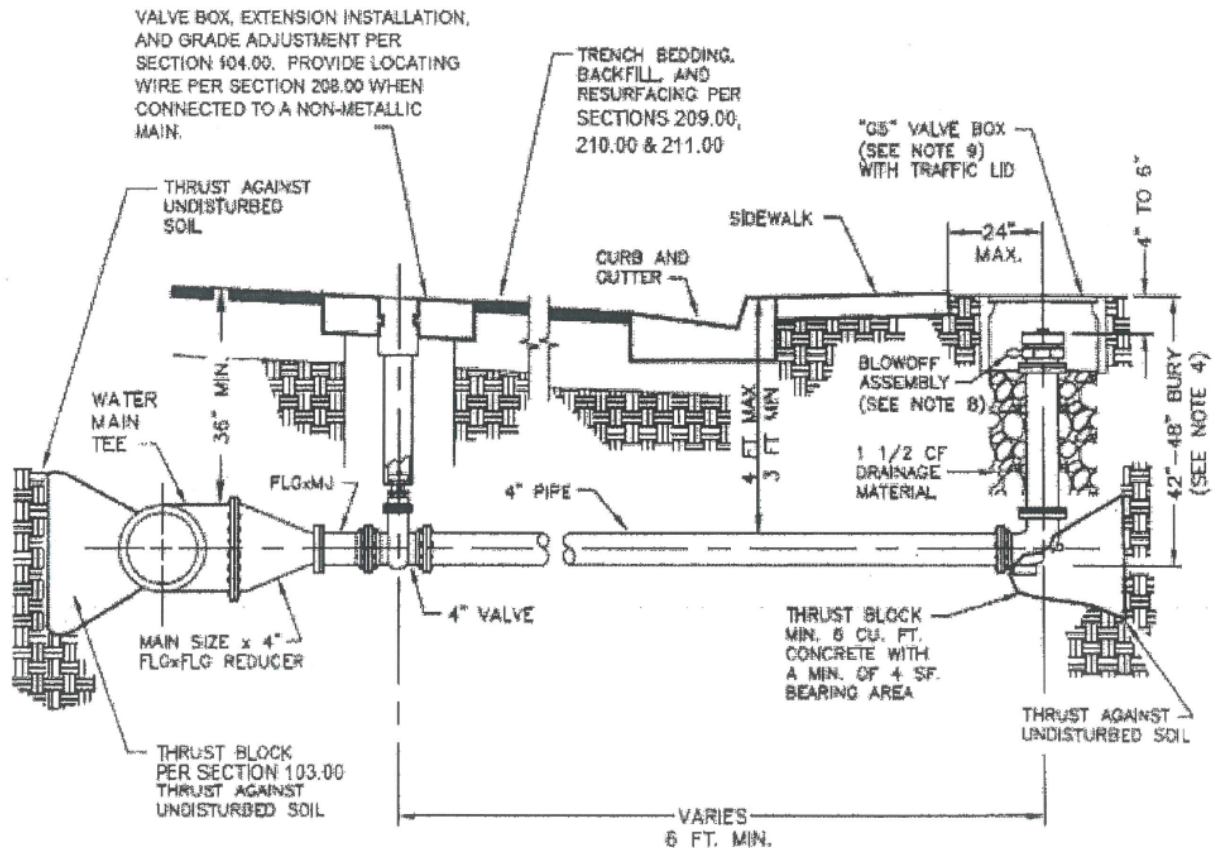
CASE 2
ON-LINE INSTALLATION
EXAMPLE: DIP IN ELEVATION OF WATER MAIN

NOTES:

1. All materials shall be approved materials as listed in Section 100.00.
2. For 2" thru 8" mains, size permanent Blow-off according to California Water Works Standards, Title 22. Blow-offs for 12" and larger mains shall be per Page 2, Section 150.00.
3. Blow-off shall not discharge to a drain without an air gap separation.
4. A Blow-off shall be installed at the end of each dead-end water main where stagnant conditions are likely to develop and at dips in the elevation of the water main where sediment may collect.
5. In case of a pressure (hot) tap, a corporation stop shall be installed at the water main with anodes.
6. Reducing fitting shall be a D.I. mechanical joint cap with 2-inch tap.
7. All pipe exposed to concrete shall be wrapped with a double layer of 6 mil polyethylene film.
8. A gate valve per Section 100.00 shall be installed.

SECTION 150.00 – Page 2

TYPICAL 4" BLOWOFF



TYPICAL 4" BLOWOFF FOR 12" & LARGER MAINS

NOTES:

1. All materials shall be approved materials as listed in Section 100.00.
2. Blow-off shall not discharge to a drain without an air gap separation.
3. A Blow-off shall be installed at the end of each dead-end water main where stagnant conditions are likely to develop and at dips in the elevation of the water main where sediment may collect.
4. A minimum distance of 3 feet shall be clear of all vegetation and other obstructions around blow-off, per uniform Fire Code Section 10.206.
5. No underground utility shall be located within 48" each side of Blow-off trench.
6. No primary electric vault, above-ground electric service cabinet, or street light shall be installed within seven (7) feet of the blow-off. Where restrained-joint fittings are used, which eliminates the need for a thrust block, this distance may be reduced to three (3) feet.
7. All pipe exposed to concrete shall be wrapped with a double layer of 6 mil polyethylene film.
8. Blow-off assembly shall consist of: 4" flanged companion x FIPT, 1/4" pressure release pet cock, and 4" NTP x 4-1/2" hydrant thread with fire hydrant cap.
9. Set valve box flush to finish grade.