



Valve Box with Extension

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION		<h1 style="margin: 0;">TYPICAL VALVE INSTALLATION</h1>	STANDARD DRAWING NO. 702
REVISION	DATE		DATE : 7/15/10
1	1997	APPROVED BY: PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283	SHEET 1 OF 2
2	2001		
3	2010		

NOTES:

1. Valves, valve boxes and risers shall be set plumb.
2. Gate valve shall be Mueller A-2360-20 or A-2360-38 with non-rising stem and "O" ring seals or approved equal.
3. For gate valve installed at the end of a water line, anchor block requirements shall conform to City Standard Drawing No. 706. In restraint water pipe system with restraint joints, thrust block is not required. The Engineer of record must assess that there is sufficient pipe length.
4. Anchor block bearing area shall be measured against undisturbed ground.
5. All concrete shall be Class A, 3000 PSI 28 days compressive strength.
6. For valve sizes greater than 12", special details shall be required and approved by the City Engineer.
7. Valve box shall be Christy, with the following model & size or approved equal. The word "WATER" imprinted on top of the lid.

<u>Valve Size</u>	<u>Christy Box</u>	<u>Water Source</u>
Blue - 6" circular	G3	SCVWD
Black - 9" circular	G5	SFPUC
12" circular	G12	Isolation

8. Use bell type pipe for extensions.
9. All exposed steel shall be covered by two coats of mastic 15 mil poly wrap.
10. Trace wire is required on all metallic water lines including Fire Hydrant lines.
11. Trace wires shall be inter-connected at pipe tees and crosses and valves.
12. All flanges, bolts and nuts shall be kept clear of concrete.
13. Install marker post, Standard Drawing No. 204 in non-paved surface.
14. In unpaved areas, concrete collar to be installed flush with valve box lid. The surface of the concrete collar shall slope away from the valve box lid with 2% slope on finished concrete surface. Grade of valve box lid to be determined by City.

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①	1997		DATE : 6/15/10
②	2001		SHEET 2 OF 2
③	2010		
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