

**PROFILE**

**PLAN**

**TABLE A**

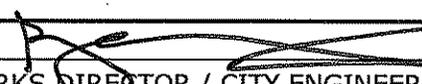
SIZE OF METER	SIZE OF BYPASS	VAULT BOX	LID
2	2	Christy R17	Christy 52H300
3	3	Christy R17	Christy 52H300
4	4	Christy R17	Christy 52H300
6	4	Christy R17	Christy 54H350
8	4	UTILITY VAULT CO. No. 38-687 with 4' X 6.5' access hole	UTILITY VAULT CO. 4' X 6.5' I.D. galvanized frame and cover with torsion spring assisted cast in cover and self closing reading lid.
10	6		

NOT TO SCALE

<b>CITY OF MILPITAS, ENGINEERING DIVISION</b>		<b>INSTALLATION OF 2 TO 10 INCH COMPOUND WATER METER</b>	<b>STANDARD DRAWING NO. 728</b>
<b>REVISION</b>	<b>DATE</b>		<b>DATE : 6/15/10</b>
1	1997	<b>APPROVED BY:</b>  <b>PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283</b>	<b>SHEET 1 OF 2</b>
2	2001		
3	2010		

**NOTES:**

1. Backflow preventer shall be reduced pressure principle assembly as required by the City Engineer. Size and model to be determined for each installation. These devices shall be per City's Approved Equal List. Where backflow prevention device is installed in a combination fire and domestic service, it must also be approved by the Fire Department.
2. Ductile Iron Flanged pipe shall conform to ANSI A21.51 (AWWA A151). All flanges and flanged fittings to 12 inches in diameter shall be made in accordance with ANSI A21.50 (AWWA C110), pressure 250 psi, with flanged dimensions and drilling conforming to ASA B16.1, Class 125. All ductile iron pipe, fittings, valves and appurtenances, outside of vault, including tapping sleeve and valve, shall be coated with two 15 mil thick application of Protecto Wrap Co. CA14. They shall also be wrapped with an 8 mil thick virgin polyethylene.
3. Flanged coupling adapter shall be provided with anchor studs and per City approved equal list.
4. Tapping sleeve shall be per City's approved equal list.
5. Vertical offset from main to meter will vary with depth of water main and sometimes will not be needed. If sufficient room is available, 45° bends shall be used.
6. The service shall be at least one size larger than the water meter.
7. Flanged gate valves shall be per City approved equal list with operating nut.
8. Water meter with Automatic Remote Read Transmitter Register shall be supplied by the City and installed by the customer. All expenses are to be paid by the customer.
9. The extension on the bypass valve operator shall be fastened to the operating nut with a stainless steel pin. Where extension passes through the wall, provide guide for valve stem. Hand wheel shall be chained and locked to the main line pipe. Use galvanized chain, straight link, Size #4. Lock will be supplied by the City.
10. The Lid for the meter vault shall be two piece steel plate check plate, parkway, hinged, spring loaded screw-down, galvanized with safety guard bars and self closing reading lid (centered over meter dial) or lids as required.
11. Thrust block shall be installed per City Standard Drawing No. 704 for 6" diameter pipe and larger. All ring tight or flexible pipe fittings less than 6" diameter shall require thrust blocking per City Engineer's approval.
12. Where more than one domestic water meter is required, each meter shall be identified with permanent durable markings to indicate which address, building, tenant space that each meter serves. (i.e. brass tag stamped with address).
13. Provide "loop service or parallel backflow" on essential critical facilities.

<b>CITY OF MILPITAS, ENGINEERING DIVISION</b>			<b>STANDARD DRAWING NO. 728</b>
REVISION	DATE	INSTALLATION OF LARGER THAN 2 INCH COMPOUND WATER METER	
①	1997		DATE : 6/15/10
②	2001		
③	2010	APPROVED BY: 	SHEET 2 OF 2
		③ PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283	