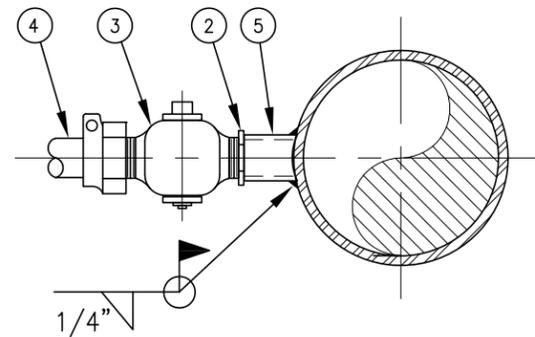


ITEM	SIZE		DESCRIPTION
	1-1/2" SERVICE	2" SERVICE	
1	6" AND OVER	-	BRASS/BRONZE SERVICE SADDLE FOR PVC PIPE. SEE NOTE 1
2	2"x1-1/2"	2-1/2"x2"	NYLON INSULATING BUSHING. SEE NOTE 2
3	1-1/2"	2"	CORPORATION STOP, I.P.T. x COMPRESSION. SEE NOTE 3
4	1-1/2"	2"	POLYETHYLENE TUBING
5	2"	2-1/2"	STEEL PIPE COUPLING TO BE COATED WITH SAME PROTECTIVE COATING USED ON MAIN, OR AS SPECIFIED BY DISTRICT
6	1-1/2"	2"	ANGLE METER STOP WITH LOCK WINGS, COMPRESSION TYPE VALVE INLET, DRILLED FOR 1-1/2" OR 2" FLANGED CONNECTION.
7	1-1/2" (#6) TAPPED 1-1/2"	2" (#7) TAPPED 2"	BRASS OR PLASTIC METER FLANGE WITH FLANGE GASKET
8	5/8"x2-1/4"	3/4"x2-1/2"	BRASS BOLTS AND NUTS (4) (THREAD END TOWARDS CURB)
9	1-1/2"	2"	SCHEDULE 40 PVC PIPE
10			BRASS METER FLANGE
11	1-1/2"x18"	2"x18"	SCHEDULE 40 PVC WITH CAP
12	N30BOX WITH FL30G LID	B36BOX WITH FL36 LID	CHRISTY METER BOX WITH LID (OR APPROVED EQUAL) FOR TYPICAL METER INSTALLATION. SEE NOTE 10
13	2"x4"x36"	2"x4"x36"	REDWOOD OR PRESSURE-TREATED WOOD METER BOARDS (2)
14	1-1/2"	2"	SLIPxMIPT ADAPTERS (3)

### 1-1/2" OR 2" SERVICE LINE

NTS



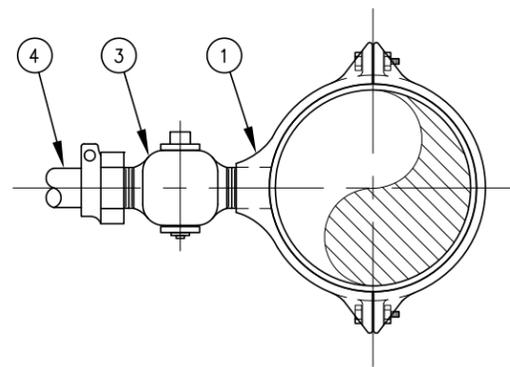
### WELDED COUPLING - STEEL MAIN

NTS

### METER INSTALLATION (WITHOUT RESIDENTIAL FIRE SPRINKLER CONNECTION)

NTS

SEE NOTE 10



### SERVICE SADDLE - PVC MAIN

NTS

#### NOTES:

- SEE STANDARD DRAWINGS CL-4-08 AND CL-5-08 FOR CLEARANCE REQUIREMENTS BETWEEN SERVICE SADDLE TAP AND ANOTHER SERVICE SADDLE TAP, PIPE COLLAR, JOINT OR FITTING.
- NYLON BUSHING TO BE USED ONLY IF CORPORATION STOP CONNECTION IS TO A FERROUS METAL MAIN.
- COMPRESSION FITTINGS SHALL BE EITHER PACKJOINT TYPE WITH SILICON BRONZE CLAMP SCREW (E.G. CAMBRIDGE BRASS "CAMPK" OR A.Y. McDONALD "MAC-PAK") OR COMPRESSION NUT TYPE (E.G. CAMBRIDGE BRASS "CB" OR A.Y. McDONALD "T"). ALL COMPRESSION JOINTS REQUIRE A STAINLESS STEEL TUBING INSERT.
- IF SERVICE LINE LOCATION IS AT AN INTEGRAL CURB AND SIDEWALK OVER 10'-0" WIDE, INSTALL ANGLE METER STOP 12" BEHIND CURB, UNLESS OTHERWISE SHOWN ON THE PROJECT DRAWINGS OR APPROVED BY DISTRICT.
- SERVICE LINE SHALL BE LOCATED 5' MIN. FROM DRIVEWAY AND FROM SANITARY SEWER HOUSE LATERAL. SEE STANDARD DRAWINGS CL-4-08 AND CL-5-08 FOR ADDITIONAL CLEARANCE REQUIREMENTS.
- WHERE A COMMON UTILITY TRENCH FOR ELECTRIC, GAS, AND TELEPHONE IS PROVIDED, THE SERVICE LINE SHALL BE LOCATED 12" BELOW TRENCH BOTTOM AND 6" CLEAR OF SIDE OF UTILITY TRENCH. SEE STANDARD DRAWINGS CL-4-08 AND CL-5-08 FOR ADDITIONAL CLEARANCE REQUIREMENTS.
- ALL SERVICES SHALL HAVE "W" CURB MARKINGS. SEE STANDARD DRAWING MP-1-08.
- SPLICES ARE NOT PERMITTED ON POLYETHYLENE TUBING.
- ALL NONMETALLIC SERVICE LINES SHALL HAVE TRACER WIRE INSTALLED. SEE STANDARD DRAWING TW-2-08.
- METER BOX AND LID VARY WITH APPLICATION. FOR 1-1/2" SERVICE AND 1" METER FOR RESIDENCES WITH FIRE SPRINKLERS, SEE STANDARD DRAWINGS S-5-08 AND S-6-08. FOR 1-1/2" SERVICE AND 1-1/2" METER FOR RESIDENCES WITH FIRE SPRINKLERS, SEE STANDARD DRAWING S-4-08. FOR 2" DETECTOR CHECK VALVES, SEE STANDARD DRAWING S-10-08.
- ALL ITEMS LISTED TO BE INSTALLED BY WATER MAIN CONTRACTOR.
- ANY SEALS OR LOCKS PLACED ON A CLOSED ANGLE METER STOP OR CURB STOP SHALL NOT BE REMOVED EXCEPT BY ACWD.
- METER BOX SHALL BE LOCATED SUCH THAT CENTER OF READING LID OPENING IS DIRECTLY ABOVE CENTER OF METER IDLER.

APPROVED  12/15/2008  
ENGINEERING MANAGER DATE

NO.	DATE	REVISION	BY	APP.	DIV. MGR.	EHS
0	12-08	REPLACES STD. DWG. S-2	RMF	LJA		

DESIGNED ACWD  
DRAWN RMF  
CHECKED LJA  
ALAMEDA COUNTY WATER DISTRICT

ALAMEDA COUNTY WATER DISTRICT  
43885 SOUTH GRIMMER BOULEVARD  
P.O. BOX 5110  
FREMONT, CA 94537-5110  
(510) 668-4200

STANDARD DRAWING		DATE: DEC. 2008
1-1/2" AND 2" SERVICE LINES		SCALE: NONE
1-1/2" AND 2" METERS WITHOUT FIRE SPRINKLER CONNECTIONS		DWG. NO. S-2-08
		REV. 0