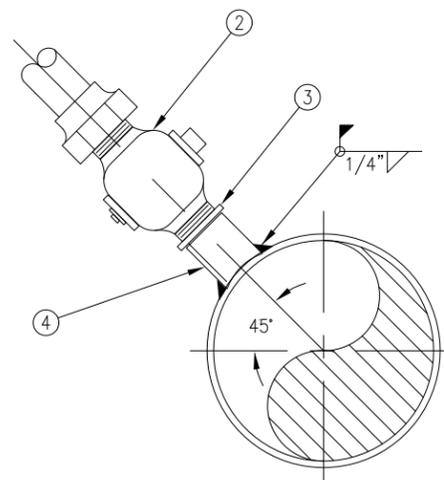


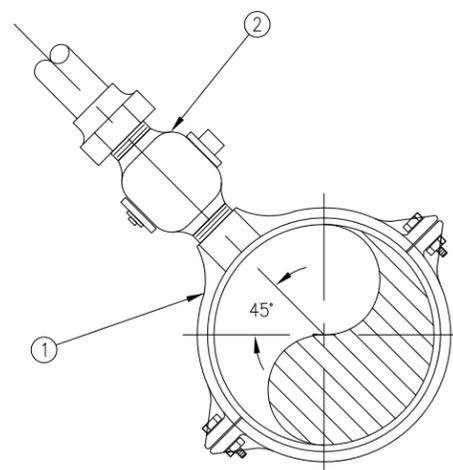
### TYPICAL 1" SERVICE LINE INSTALLATION

NTS



### WELDED COUPLING - STEEL MAIN

NTS



### SERVICE SADDLE - PVC MAIN

NTS

ITEM	SIZE	DESCRIPTION
1	-	BRASS/BRONZE SERVICE SADDLE FOR PVC PIPE. SEE NOTE 2
2	1"x1"	CORPORATION STOP, I.P.T. x FLARE
3	1-1/4"x1"	NYLON BUSHING
4	1-1/4"	STEEL PIPE COUPLING. SEE NOTE 3
5	1"	TYPE "K" COPPER TUBING
6	1"	ANGLE METER STOP WITH LOCK WINGS, FLARED VALVE INLET
7	1"x1-1/4"x24"	PREPACKAGED ZINC ANODE. SEE NOTE 8
8	1"	BRASS GROUNDING CLAMP WITH BRASS BOLTS AND BRASS SET SCREW

#### NOTES:

- FOR METER BOX AND IDLER (JUMPER) INSTALLATION, SEE STANDARD DRAWINGS S-3-08, S-7-08 OR S-8-08.
- 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.
- COAT WELDED COUPLING ON STEEL MAIN WITH SAME PROTECTIVE COATING AS ON MAIN, OR AS SPECIFIED BY THE DISTRICT.
- IF SERVICE LINE LOCATION IS AT AN INTEGRAL CURB AND SIDEWALK OVER 10'-0" WIDE, INSTALL ANGLE METER STOP 6" TO 7" BEHIND CURB, UNLESS OTHERWISE SHOWN ON THE PROJECT DRAWINGS OR APPROVED BY DISTRICT.
- SERVICE LINE SHALL BE LOCATED 5'-0" 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.
- PLACE PREPACKAGED ZINC ANODE AGAINST TRENCH WALL SO AS TO MAXIMIZE HORIZONTAL DISTANCE BETWEEN THE COPPER AND THE ANODE. ANODES SHALL BE HIGH PURITY ZINC MEETING ASTM B418, TYPE II.
- A GOOSENECK IS REQUIRED BETWEEN THE CORPORATION STOP AND THE SERVICE PIPE. GOOSENECK RADIUS SHALL BE LARGE ENOUGH TO NOT KINK COPPER TUBING. THE MINIMUM RADIUS FOR BENDS IN TUBING IS NO LESS THAN THE NATURAL COIL RADIUS (20").
- SERVICE LINES SHALL NOT BE INSTALLED WITHIN ANY PLASTIC FILM OR ENCASEMENT.
- SPLICES SHALL NOT BE PERMITTED ON COPPER TUBING.
- ANY SEALS OR LOCKS PLACED ON A CLOSED ANGLE METER STOP OR CURB STOP SHALL NOT BE REMOVED EXCEPT BY ACWD.

APPROVED  ENGINEERING MANAGER 12/15/2008 DATE

NO.	DATE	REVISION	BY	APP.	DIV. MGR.	EHS
0	12-08	REPLACES STD. DWG. S-1	RMF	LJA	CHECKED	LJA
					DESIGNED	ACWD
					DRAWN	RMF

 ALAMEDA COUNTY WATER DISTRICT  
43885 SOUTH GRIMMER BOULEVARD  
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(510) 668-4200

STANDARD DRAWING  
**1" SERVICE LINE**  
FOR 3/4" AND 1" METERS  
WITHOUT FIRE SPRINKLER CONNECTIONS

DATE: DEC. 2008  
SCALE: NONE  
DWG. NO. **S-1-08** REV. **0**