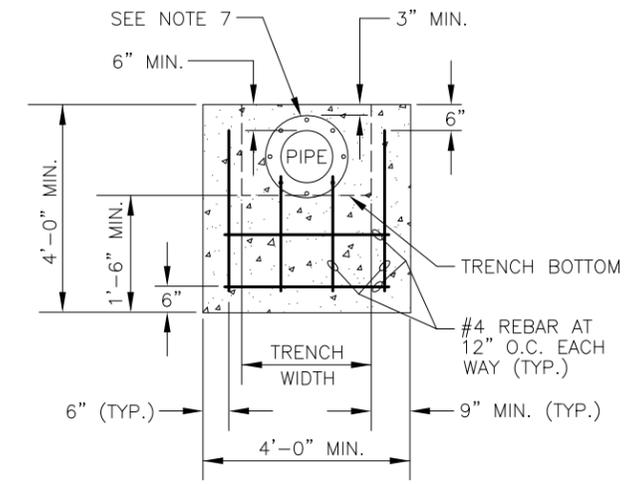


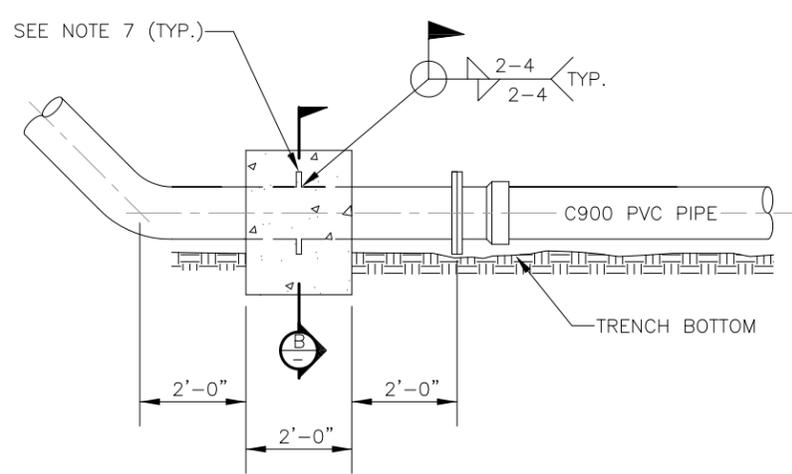
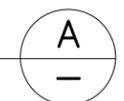
PROFILE

NTS



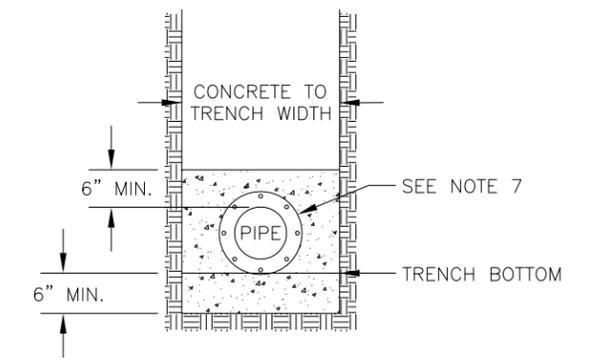
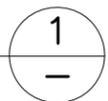
SECTION

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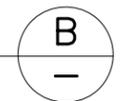
DETAIL

NTS



SECTION

NTS



NOTES:

1. SAME DIMENSIONS APPLY FOR CROSSINGS UNDER AND OVER OTHER UTILITIES.
2. 6" AND 8" STEEL PIPE SHALL BE SCHEDULE 40 WITH 1/4" MORTAR LINING. 12" STEEL PIPE SHALL BE STANDARD STEEL WITH 5/16" MORTAR LINING.
3. STEEL PIPE SHALL BE FACTORY PRIMED AND DOUBLE TAPE WRAPPED PER STANDARD SPECIFICATIONS.
4. ALL STEEL PIPE JOINTS SHALL BE FULLY WELDED.
5. MAGNESIUM ANODE(S) REQUIRED PER STANDARD SPECIFICATIONS. CONNECT ANODE WIRE(S) TO PIPE IN ACCORDANCE WITH STANDARD DRAWING ET-1-08.
6. CLEARANCE BETWEEN WATER MAIN AND OTHER UTILITY SHALL BE 12" MINIMUM ON ALL SIDES.
7. WELD A SLIP-ON WELD FLANGE ON THE PIPE AT THE CENTERLINE OF EACH THRUST BLOCK. FLANGES EMBEDDED IN THRUST BLOCKS TO BE UNCOATED (BARE STEEL), AWWA CLASS B HUB TYPE OR RING TYPE FLANGES.
8. FOR 6" DIAMETER AND 8" DIAMETER OFFSETS OF LESS THAN THREE VERTICAL FEET, USE CONCRETE THRUST BLOCK PER DETAIL 1.
9. LENGTH VARIES ACCORDING TO DIAMETER OF OTHER UTILITY.
10. NO PORTION OF ANY STEEL OFFSET CONSTRUCTED WITHIN THE LIMITS OF STREET RIGHT-OF-WAY SHALL HAVE LESS THAN MINIMUM PIPE COVER.
11. IF A PCC CAP IS REQUIRED, A PCC SHALL BE 6" THICK AND 4'-0" WIDE OR 1'-0" WIDER THAN TRENCH WIDTH, WHICHEVER IS GREATER, WITH #4 REBAR AT 12" O.C. EACH WAY.
12. IF AN AIR VALVE IS REQUIRED IN AN AREA COVERED BY A PCC CAP, A RED BRASS NIPPLE SHALL BE INSTALLED ABOVE THE CORPORATION STOP SO THAT THE AIR VALVE LATERAL EXTENDS ABOVE THE PCC CAP. HOLD BACK CONCRETE FROM CORPORATION STOP AND NIPPLE 3" ALL AROUND. AIR VALVE SHALL BE INSTALLED PER STANDARD DRAWING AV-1-08.
13. ALL PIPE WELDS TO BE BUTT WELDS IN ACCORDANCE WITH STANDARD DRAWING WSP-1-08.
14. A PCC CAP IS REQUIRED OVER ANY PORTION OF A STEEL OFFSET CONSTRUCTED OUTSIDE THE LIMITS OF STREET RIGHT-OF-WAY THAT IS LESS THAN MINIMUM COVER.

APPROVED Albert Chavez 12/15/2008
 ENGINEERING MANAGER DATE

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

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

STANDARD DRAWING		DATE: DEC. 2008
WELDED STEEL OFFSET ON PVC PIPE		SCALE: NONE
		DWG. NO. WSP-2-08 REV. 0