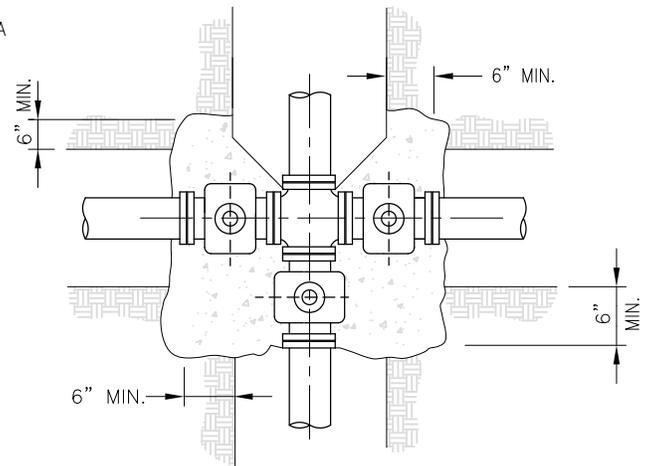
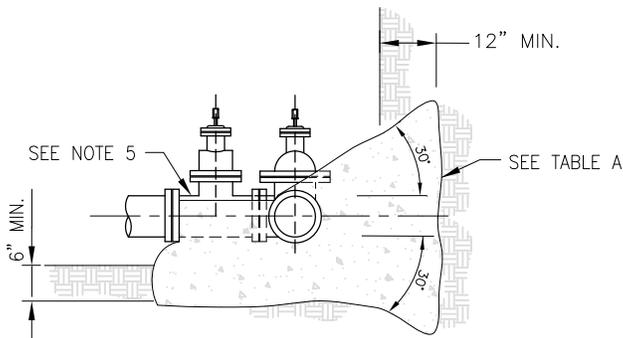


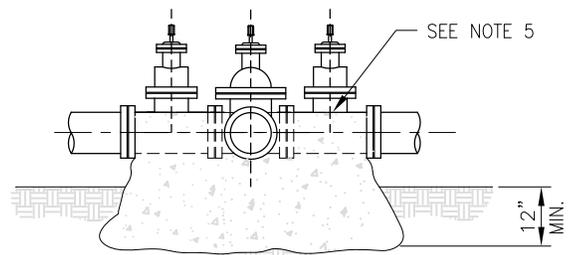
PLAN



PLAN



PROFILE



PROFILE

TEE INSTALLATION DETAIL 1  
NTS

CROSS INSTALLATION DETAIL 2  
NTS

NOTES:

1. DETAILS BASED ON 150 P.S.I. WATER MAIN PRESSURE, 1,000 P.S.F. SOIL BEARING. USE 6 SACK 3/4" AGGREGATE MAX. CONCRETE MIX.
2. COAT FITTINGS AND VALVES PRIOR TO PLACEMENT IN TRENCH PER SPECIFICATIONS.
3. CAST CONCRETE THRUST BLOCK AGAINST UNDISTURBED EARTH.
4. CONCRETE SHALL NOT BE CAST AGAINST PVC PIPE.
5. MAINTAIN CLEARANCE FOR BONNET BOLT REMOVAL.

TABLE A

REQUIRED BEARING AREA	
PIPE DIAM.	SQ. FT.
6"	5
8"	8
10"	12
12"	17

APPROVED  12/15/2008  
ENGINEERING MANAGER DATE



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

STANDARD DRAWING

THRUST BLOCKING  
FOR PVC PIPE VALVE CLUSTERS

DESIGNED	ACWD	DATE:	DEC. 2008
1	01-09	CORRECTED TRENCH LIMIT LINES	RMF LJA
0	12-08	REPLACES STD. DWG. TB-1	RMF LJA
NO.	DATE	REVISION	BY APP.
			DIV. MGR. EHS
			SCALE: NONE
			DWG. NO. <b>TB-1-08</b>
			REV. <b>1</b>