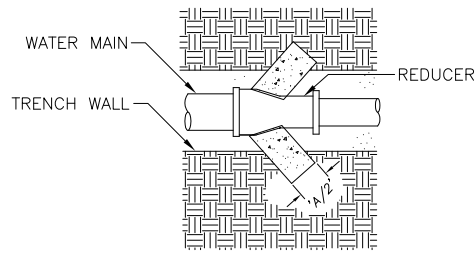
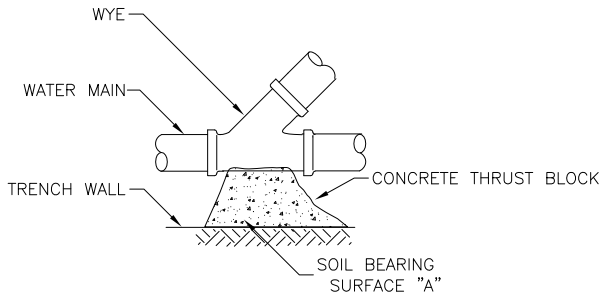


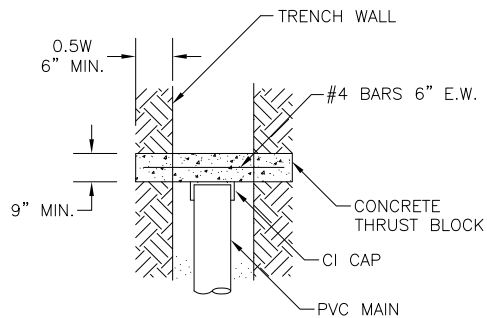
**ELBOW (HORZ. BEND)
PLAN VIEW**



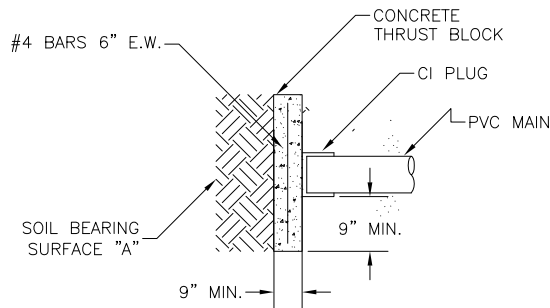
**REDUCER
PLAN VIEW**



**WYE
PLAN VIEW**



**BLIND END ASSEMBLY
PLAN VIEW
CONTINUOUS TRENCH**



**BLIND END ASSEMBLY
ELEVATION VIEW
END OF TRENCH**

NOTES:

1. CONCRETE: 5 SACK P.C.C. PER CUBIC YARD WITH 4" MAX SLUMP.
2. CONCRETE TO BE PLACED AGAINST UNDISTURBED SOIL.
3. CONCRETE SHALL NOT BE PLACED ON OR AROUND BELLS OR BOLTS.
4. 'D' DIMENSION INDICATES DEPTH OF CONCRETE.
5. 'W' DIMENSION INDICATES WIDTH OF CONCRETE. W = 2x 'D'

		THRUST BLOCK SCHEDULE*						
		REQ'D SOIL BEARING AREA 'A' (SQ. FT.)						
PIPE SIZE	SOIL DESCR.	BLIND END, REDUCER, OR WYE	ELBOW OR WYE					CROSS
			46"	23"	12"	6"	0"	
6"	10	1	2	1	1	1	1	1
	4	2	3	2	1	1	1	2
	2	5	7	4	2	1	1	5
	1	9	13	7	4	2	1	9
8"	10	2	2	1	1	1	1	2
	4	4	6	3	2	1	1	4
	2	8	11	6	3	2	1	8
	1	15	22	12	6	2	2	15
10"	10	3	4	1	1	1	1	3
	4	6	9	5	3	2	1	6
	2	13	18	10	5	3	2	13
	1	24	35	19	10	5	3	24
12"	10	4	5	3	2	1	1	4
	4	9	13	7	9	2	1	9
	2	18	25	14	7	4	2	18
	1	35	50	27	14	7	4	35
16"	10	5	6	3	2	1	1	5
	4	11	16	8	4	2	1	11
	2	22	32	16	8	4	2	22
	1	45	64	32	16	8	4	45
SOIL DESCRIPTION (X 1000 PSF = MAX SOIL BEARING)	10	HARD, SOUND SHALE & GRANITE						
	4	SAND & GRAVEL, CEMENTED WITH CLAY - HARD TO PICK						
	2	SAND & MEDIUM CLAY, CAN BE SPADED						
	1	SOFT CLAY						

*Based on 225 psi pressure



THRUST BLOCKS INSTALLATION

SAN JUAN WATER DISTRICT

APPROVED

SCALE: NTS

PRINT DATE: 04/17/07

DETAIL NO. SHT 12 OF 27

NO	DATE	REVISIONS	APP	BY