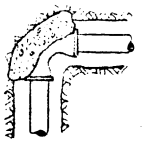
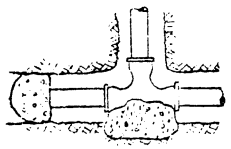
THRUST BLOCK TABLES

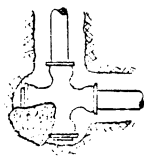
PIPE SIZE "	TYPE OF FITTING	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS CLASS 150 HGT.-WIDTH	THRUST BLOCK DIMENSIONS CLASS 200 HGT.-WIDTH	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS CLASS 150 HGT.-WIDTH	THRUST BLOCK DIMENSIONS CLASS 200 HGT.-WIDTH	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS CLASS 150 HGT.-WIDTH	THRUST BLOCK DIMENSIONS CLASS 200 HGT.-WIDTH	SAFE SOIL BEARING #/SQ. FT.	THRUST BLOCK DIMENSIONS CLASS 150 HGT.-WIDTH	THRUST BLOCK DIMENSIONS CLASS 200 HGT.-WIDTH
16	TEE	1500	5'x 7'	6'x 7'	2000	4' x 7'	5'x 6'	3000	4' x 5'	4' x 5'	5000	3' x 5'	3' x 4'
16	90° BEND	1500	5 x 10	6 x 10	2000	5 x 8	5 x 9	3000	4 x 6	5 x 6	5000	3 x 5	3 x 6
16	45° BEND	1500	4 x 7	4 x 8	2000	4 x 5	4 x 6	3000	3 x 5	4 x 4	5000	2 x 4	2 x 5
16	22½° BEND	1500	3 x 5	4 x 4	2000	3 x 4	3 x 4	3000	2 x 4	3 x 3	5000	2 x 2	2 x 3
14	TEE	1500	4 x 7	4 x 8	2000	4 x 5	4 x 6	3000	3 x 5	4 x 4	5000	3 x 3	2 x 5
14	90° BEND	1500	5 x 10	5 x 9	2000	5 x 8	5 x 7	3000	5 x 5	4 x 6	5000	3 x 5	3 x 5
14	45° BEND	1500	4 x 5	4 x 6	2000	4 x 4	3 x 6	3000	3 x 4	3 x 4	5000	2 x 3	2 x 4
14	22½° BEND	1500	3 x 4	3 x 4	2000	2 x 4	3 x 3	3000	2 x 3	2 x 6	5000	1 x 3	2 x 2
12	TEE	1500	4 x 5	4 x 6	2000	3 x 5	3 x 6	3000	3 x 4	3 x 4	5000	2 x 3	2 x 4
12	90° BEND	1500	4 x 7	4 x 8	2000	4 x 6	4 x 6	3000	3 x 5	4 x 4	5000	3 x 3	2 x 5
12	45° BEND	1500	4 x 4	3 x 6	2000	3 x 4	3 x 5	3000	2 x 4	3 x 3	5000	2 x 3	2 x 3
12	22½° BEND	1500	2 x 4	3 x 3	2000	2 x 3	2 x 4	3000	2 x 2	2 x 3	5000	1 x 3	1 x 3
8	TEE	1500	3 x 3	2 x 5	2000	2 x 3	2 x 4	3000	2 x 3	2 x 3	5000	1 x 3	1 x 3
8	90° BEND	1500	3 x 4	3 x 5	2000	3 x 3	3 x 4	3000	2 x 3	2 x 4	5000	2 x 2	2 x 3
8	45° BEND	1500	2 x 4	2 x 4	2000	2 x 3	2 x 6	3000	2 x 2	2 x 2	5000	1 x 2	1 x 3
8	22½° BEND	1500	2 x 2	2 x 2	2000	1 x 3	1 x 3	3000	1 x 2	1 x 2	5000	1 x 1	1 x 1
6	TEE	1500	2 x 3	2 x 3	2000	2 x 2	2 x 2	3000	1 x 3	1 x 3	5000	1 x 2	1 x 2
6	90° BEND	1500	2 x 4	2 x 4	2000	2 x 3	2 x 3	3000	2 x 2	2 x 2	5000	1 x 2	1 x 3
6	45° BEND	1500	2 x 2	2 x 2	2000	1 x 3	2 x 2	3000	1 x 2	1 x 3	5000	1 x 1	1 x 2
6	22½° BEND	1500	1 x 2	1 x 2	2000	1 x 2	1 x 2	3000	1 x 1	1 x 1	5000	1 x 1	1 x 1
4	TEE	1500	1 x 3	1 x 3	2000	1 x 2	1 x 2	3000	1 x 2	1 x 2	5000	1 x 1	1 x 1
4	90° BEND	1500	2 x 2	2 x 2	2000	1 x 3	1 x 3	3000	1 x 2	1 x 2	5000	1 x 1	1 x 1
4	45° BEND	1500	1 x 3	1 x 2	2000	1 x 2	1 x 2	3000	1 x 1	1 x 1	5000	0	1 x 1
4	22½° BEND	1500	1 x 1	1 x 1	2000	1 x 1	1 x 1	2000	0	1 x 1	5000	0	0

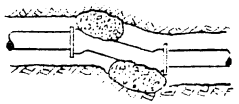
NOTES

1. CONCRETE THRUST BLOCKS ARE TO BE POURED AGAINST UNDISTURBED EARTH.
2. CONCRETE THRUST BLOCKS SHALL BE OF CLASS 'C' (4½ SACK MIX) CONCRETE.
3. ALL GATE VALVES SHALL BE SUPPORTED PER DETAIL 'A' BELOW, & STD. DWG. B-255 & B-279
4. PLUG ALL STUBS PER DWG. B-414.
5. ALL CONCRETE SHALL BE POURED TO AVOID INTERFERENCE WITH BOLTED CONNECTIONS.
6. WHERE PIPE CONNECTS TO A FITTING IN A STEEL PIPELINE, THE STEEL PIPELINE SHALL BE BLOCKED AS SHOWN HEREON.

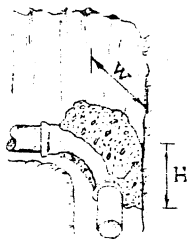




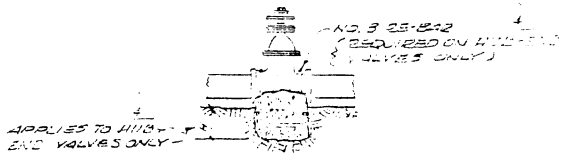




PLAN VIEW



PERSPECTIVE VIEW



DETAIL 'A'

TYPICAL THRUST BLOCK INSTALLATION

REVISIONS					REFERENCES			SCALE NONE	DATE
NO.	DATE	INITIAL	DESCRIPTION	APP'VD	TRANSITE PIPE MANUAL			DESIGNED	
1	10-11-69	JED	ADD NOTE 6, & REVISE TABLES	LAM				DRAWN JED	
2	10-21-69	McM	REVISE TABLES	LAM				TRACED	
3	7-23-71	SBJ	ADDED CLASS 200	LAM				CHECKED	
4	2-16-73	McM	REVSD TITLE TO SAY "HUB-END PIPE"	LAM	APPROVALS			SUBMITTED LAM	
					DESIGN	CONSTRUCTION	OPERATIONS	RECOMMENDED	

EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

STANDARD DRAWING

THRUST BLOCK INSTALLATION FOR HUB-END PIPE - CLASS 150 & 200

APPROVED GENERAL MANAGER & CHIEF ENGINEER

B-407

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