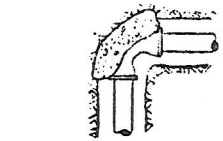
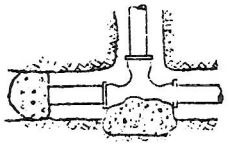
THRUST BLOCK TABLES

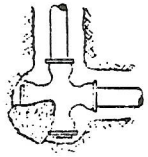
PIPE SIZE "	TYPE OF FITTING	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 150	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 200	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 150	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 200	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 150	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 200	SAFE SOIL BEARING #/SQ.FT.	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 150	THRUST BLOCK DIMENSIONS HGT.-WIDTH CLASS 200
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	5 x 5	5 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	5 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	5 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	5 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 5	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	3000	0	1 x 1	5000	0	0

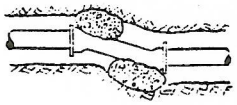
NOTES

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.

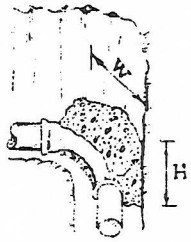




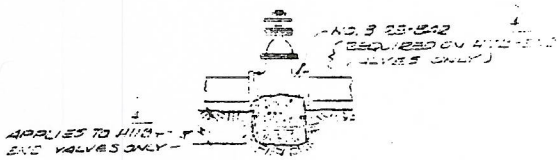




PLAN VIEW



PERSPECTIVE VIEW



DETAIL 'A'

TYPICAL THRUST BLOCK INSTALLATION

REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APP'VD
1	10-11-69	JED	ADD NOTE 6, & REVISE TABLES	LAM
2	10-21-69	MeM	REVISE TABLES	
3	7-23-71	SBJ	ADDED CLASS 200	LAM
4	2-16-73	MeM	REVSD TITLE TO SAY "HUB-END PIPE"	LAM

REFERENCES
TRANSITE PIPE MANUAL

APPROVALS		
DESIGN	CONSTRUCTION	OPERATIONS

		DATE
SCALE	NONE	
DESIGNED		
DRAWN	JED	
TRACED		
CHECKED		
SUBMITTED	LAM	
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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