



**NOTES:**

1. PIPE FITTINGS SHALL BE WRAPPED WITH 1 LAYER OF 10 MIL POLYETHYLENE SHEETING TAPED IN PLACE. SEE SPECIFICATIONS.
2. THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL, OR APPROVED COMPACTED BACKFILL.
3. THRUST BLOCKS SHALL BE CLASS 560-C-3250 CONCRETE, UNLESS OTHERWISE SPECIFIED.
4. ALL BURIED BOLTS SHALL BE COATED WITH 2 COATS OF 3M CO. EC-244 OR PREVIOUSLY APPROVED EQUAL.

- THRUST BLOCK BEARING AREA -								
PIPE SIZE (IN INCHES)	CONDITIONS							AREA IN SQ. FT.
	I.	II.	III.	IV.	V.	(A) VI. (B)	VII.	
4	2.0	2.9	2.0	2 @ 2.0	2.0	1.0	1.6	4 @ 1.6
6	4.3	6.0	4.3	2 @ 4.3	4.3	1.5	3.3	4 @ 3.3
8	7.4	10.5	7.4	2 @ 7.4	7.4	3.0	5.7	4 @ 5.7
10	12.1	17.1	12.1	2 @ 12.1	12.1	4.5	9.3	4 @ 9.3
12	17.2	24.3	17.2	2 @ 17.2	17.2	6.0	13.2	4 @ 13.2
14	20.7	30.1	20.7	2 @ 20.7	20.7	8.0	15.8	4 @ 15.8
16	26.7	38.0	26.7	2 @ 26.7	26.7	10.0	20.5	4 @ 20.5
18	35.0	49.0	35.0	2 @ 35.0	35.0	14.0	27.0	4 @ 27.0
20	43.0	60.0	43.0	2 @ 43.0	43.0	17.0	33.0	4 @ 33.0
24	62.0	87.0	62.0	2 @ 62.0	62.0	24.0	48.0	4 @ 48.0

BASED ON 100 P.S.I. PRESSURE AND ALLOWABLE BEARING PRESSURE OF 1000 P.S.F.

APPROVED:  DATE: 8/11/09

CITY OF SANTA ANA  
PUBLIC WORKS AGENCY



STD. PLAN  
NUMBER  
1412

DATE		REVISION
9/28/01	A.F.	UPDATED
5/2/07	J.B.	UPDATED
8/12/09	R.R.	ADDED 11 1/4° BEND

THRUST BLOCK INSTALLATION