

THRUST BLOCK BEARING AREAS

Based on 180# P. S. I. Pressure

Pipe Size	TYPE OF SOIL	Safe Bearing Load in Lbs. Per Sq. Ft.	REQUIRED BEARING AREA SQ. FEET					
			TEE		CROSS	90° Bend	45° Bend	22½° Bend
			D	C	D	C	C	C
6" A.C.P.	Soft Clay	500	14	7	7	19.5	10.5	5.5
	Sand	1000	7	3.5	3.5	10	5.5	3.0
	Sand, Gravel & Clay	2000	3.5	2.0	2.0	5	3	1.5
	Shale or Rock	5000	1.5	1.0	1.0	2	1.5	1.0
8" A.C.P.	Soft Clay	500	Use Steel Welded Pipe					
	Sand	1000	12	6	6	17	9	4.5
	Sand, Gravel & Clay	2000	6	3	3	8.5	4.5	2.5
	Shale or Rock	5000	2.5	1.5	1.5	3.5	2.0	1.0
10" A.C.P.	Sand	1000	19.5	10	10	27.5	15	7.5
	Sand, Gravel & Clay	2000	10	5	5	14	7.5	4
	Shale or Rock	5000	4	2	2	5.5	3	1.5
12" A.C.P.	Sand	1000	27.5	14	14	39	21	11
	Sand, Gravel & Clay	2000	14	7	7	20	10.5	5.5
	Shale or Rock	5000	6	3	3	8	4.5	2.5
14" A.C.P.	Sand	1000	Use Steel Welded Pipe					
	Sand, Gravel & Clay	2000	19	10	10	26.5	14.5	7.5
	Shale or Rock	5000	7.5	4	4	10.5	6	3
16" A.C.P.	Sand, Gravel & Clay	2000	25	13	13	34	19	10
	Shale or Rock	5000	10	5	5	14	7.5	4
18" A.C.P.	Sand, Gravel & Clay	2000	30	15	15	43	23	12
	Shale or Rock	5000	12	6	6	17	9.5	5

FOR DETAILS SEE DRAWING NO. S-31

COUNTY OF COLUSA			DEPARTMENT OF PUBLIC WORKS	
TITLE	THRUST BLOCK BEARING AREAS FOR A.C.P. MAINS		STANDARD NO.	S-32
			SCALE	NONE