



SIZE	MINIMUM BEARING AREA (SQ.FT.)									45° VERTICAL BENDS		NOTE: BEARING AREAS ARE BASED ON A TEST PRESSURE OF 225 P.S.I. THRUST BLOCKS FOR FITTINGS THAT ARE TO BE TESTED AT HIGHER PRESSURE SHALL BE INCREASED ACCORDINGLY AS APPROVED BY THE ENGINEER.
	SOFT CLAY 1,000#/SF.			MEDIUM CLAY & SAND 1900#/SF.			SAND & GRAVEL 2,000#/SF.			CONCRETE VOLUME "V" (CU.VDS)	STEEL BAR SIZE	
TOP OF SOIL	A	B	C	A	B	C	A	B	C			
6" MAIN	9	7	5	6	4	4	5	3	3	1.2	#3	
8" MAIN	16	11	9	11	8	6	8	6	4	2.2	#4	
10" MAIN	25	18	14	17	12	9	13	9	7	3.4	#5	
12" MAIN	36	26	20	24	17	13	18	13	10	4.8	#5	
16" MAIN	64	46	36	43	30	23	32	23	18	8.5	#6	
18" MAIN	81	58	46	55	36	30	40	29	23	10.8	#7	

NOTES:

A	LARGER STEEL MAINS USE WELDED STEEL JOINTS AS SHOWN ON THE PLANS
B	ALL BACKFILL SHALL CONSIST OF NATIVE MATERIALS (95% REL. COMPACTION) OR C.A.B. PER STD. DWG. No. S-25 AND PER SECTION 4.8

PICO WATER DISTRICT

	TYPICAL THRUST BLOCKS APP. <u> <i>mjgrajeda</i> </u> MARK J. GRAJEDA GENERAL MANAGER	STANDARD DRAWING NUMBER W-17 DATE: SEPT 2008
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