



**NOTES:**

1. HORIZONTAL THRUST AT FITTINGS IS BASED ON 150 PSI WATER PRESSURE.
2. VALUES FROM CURVES ARE FOR TEES AND DEAD ENDS, i.e. STRAIGHT LINE THRUST. FOR OTHER FITTINGS, MULTIPLY THE BEARING AREA OBTAINED FROM CURVES BY THE FOLLOWING FACTORS: (FOR 90° BEND, 1.4) (FOR 45° BEND, 0.8) (FOR 22-1/2° BEND, 0.4).
3. SAFE BEARING LOADS ON UNDISTURBED SOIL ARE AS FOLLOWS:  
 CURVE A = 4000 PSF, MASSIVE CRYSTALLINE BEDROCK.  
 CURVE B = 3000 PSF, SEDIMENTARY AND FOLIATED BEDROCK.  
 CURVE C = 2000 PSF, SANDY GRAVEL AND / OR GRAVEL.  
 CURVE D = 1500 PSF, SANDY, SILTY SAND OR GRAVEL AND CLAYEY SAND OR GRAVEL.  
 CURVE E = 1000 PSF, CLAY, SANDY CLAY, SILTY CLAY, AND CLAYEY SILT.
4. THRUST BLOCKS FOR CONDITIONS NOT COVERED BY CURVES SHALL BE APPROVED BY THE ENGINEER.

REVISION DATE	MADERA VALLEY WATER COMPANY	STD. DWG.
	<b>THRUST BLOCK BEARING AREA</b>	<b>W-6</b>