NOTES

1. Horizonal thrust at fittings are based on 150 psi of water pressure.

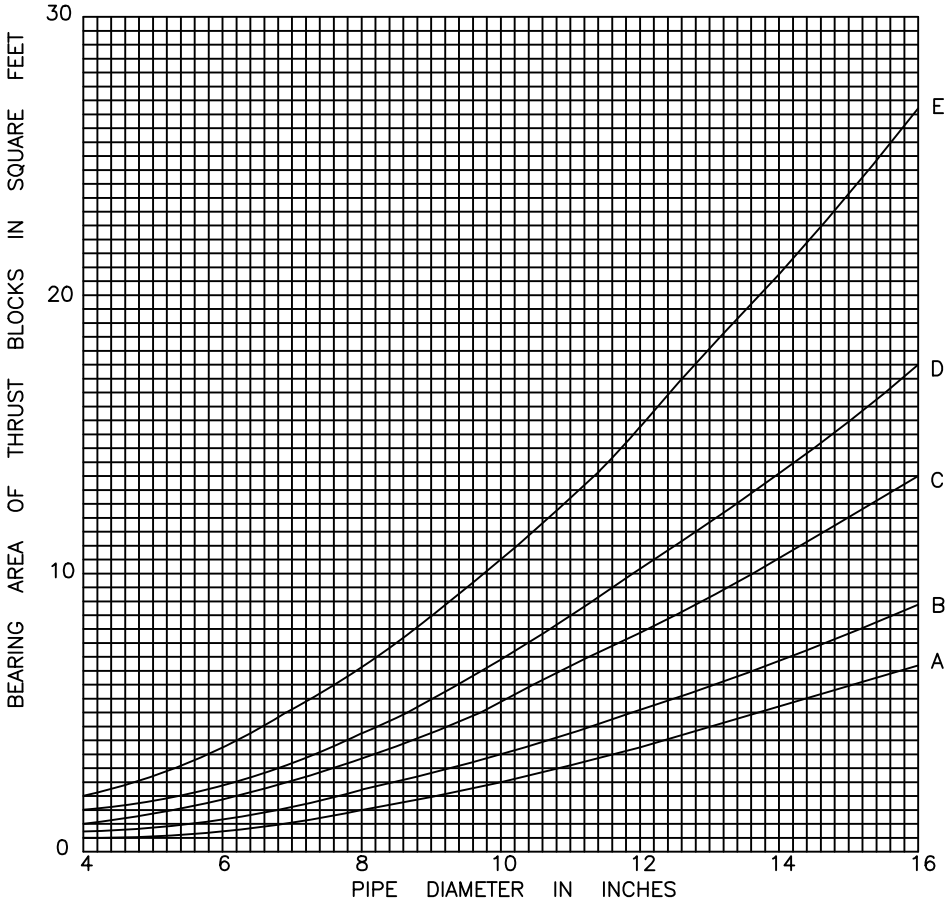
2. Values from curves are for tees and dead ends, i.e. straight line thrust. For other fittings, multiply the bearing area obtained from curves by the following factors:

For 90° Bend, 1.4
For 40° Bend, 0.8
For 22½° Bend, 0.4

3. Safe bearing loads on undisturbed soil are as follows:

Curve A = 4,000 psf, Massive crystalline bedrock.
Curve B = 3,000 psf, Sedimentary and foliated bedrock.
Curve C = 2,000 psf, Sandy gravel and/or gravel.
Curve D = 1,500 psf, Sand, silty sand or gravel and clayey sand or gravel.
Curve E = 1,000 psf, Clay, sandy clay, silty clay, and clayey silt.

4. Thrust blocks for conditions not covered by curves shall be approved by the County Engineer.



Spec's By _____	**COUNTY OF MADERA**		Date: 7-1-81
Drawn By J. SHIELDS	THRUST BLOCK BEARING AREA		Scale: NONE
APPROVED BY _____			Drawing No. W-1B
REVISIONS	8/1/02	8/21/09	

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