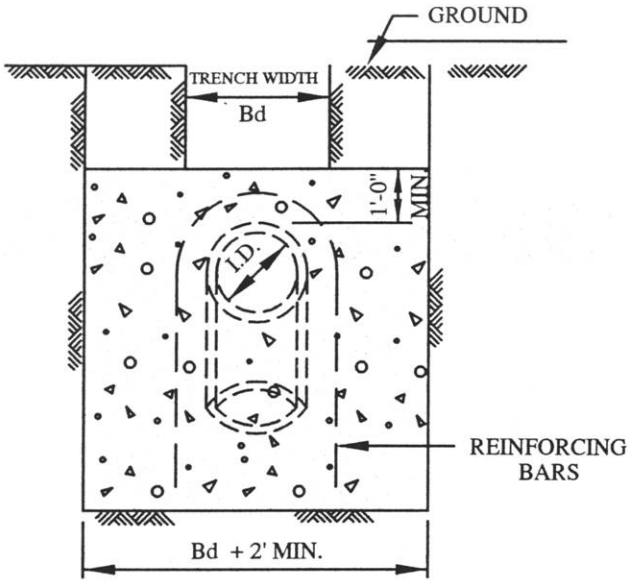
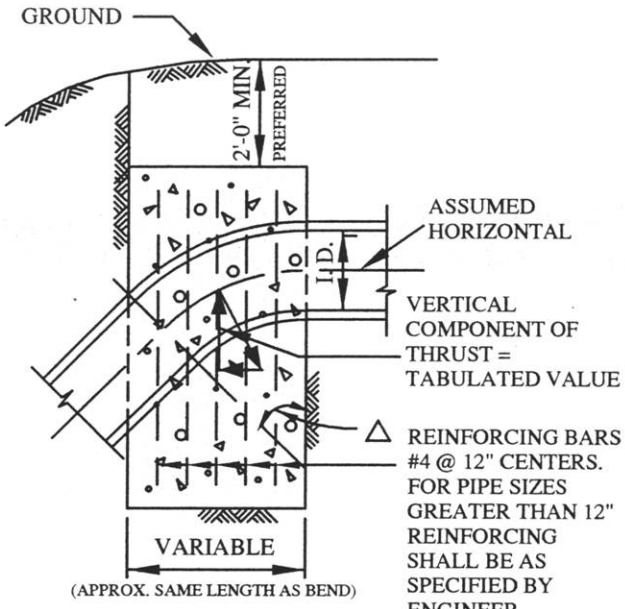


ELEVATION VIEW



SECTION VIEW

NOT TO SCALE

△→	11.25°		22.50°		30°		45°		67.50°		90°		←△
I.D. (IN.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	I.D. (IN.)
4,6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4,6,8

1. CONCRETE FOR BLOCKING SHALL BE CLASS "B".

2. ALL CALCULATIONS ARE BASED ON AN INTERNAL PRESSURE OF 150 PSI.

3. VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.

4. WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.

5. POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.

6. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.

7. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR PLUG TO PREVENT THE CONCRETE FROM STICKING TO IT.

8. CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

Standard Construction Details
Engineering Department
City of Longview, Texas

VERTICAL THRUST BLOCKING AT PIPE BEND WITH GENERAL NOTES

Water

Date:
April 2002