



HORIZONTAL BLOCKING TABLE

DEPTH OF COVER TO TOP OF PIPE (FT):		3.0		BLOCKING THRUST		(SQUARE FEET) (POUNDS-FORCE)			
PASSIVE SOIL PRESSURE (PSF/FT-DEPTH):		250							
PIPE SIZE (IN)	DEPTH OF COVER TO CL PIPE (FT)	TEST PRESSURE (LBS)	DEAD END AND TEE	90 BEND	45 BEND	22.5 BEND	11.25 BEND	5 DEFLECT.	"X"-DIM. FT.
6	3.3	150	5.22 4,241	7.38 5,998	4.00 3,246	2.04 1,655	1.02 831	0.46 370	1.00
8	3.3	150	9.05 7,540	12.80 10,663	6.92 5,771	3.52 2,942	1.77 1,478	0.79 658	1.00
10	3.4	150	13.79 11,781	19.51 16,661	10.56 9,017	5.38 4,597	2.70 2,309	1.20 1,028	1.00
12	3.5	150	19.39 16,965	27.42 23,992	14.84 12,984	7.56 6,619	3.80 3,326	1.69 1,480	1.25
14	3.6	150	25.78 23,091	36.45 32,655	19.73 17,673	10.06 9,010	5.05 4,527	2.25 2,014	1.25

NOTES:

1. THRUST BLOCK AREAS SHOWN ARE BASED ON TEST PRESSURES OF 150 P.S.I. AND 250 P.S.F. PER VERTICAL FOOT OF SOIL COVER MEASURED TO CENTERLINE OF PIPE.
2. MINIMUM AREAS SHOWN ARE IN SQUARE FEET AND ARE BASED UPON MIN 3.0 FEET OF COVER TO TOP OF PIPE.
3. BEARING MUST BE ON UNDISTURBED EARTH.
4. ADJUST THRUST BLOCK AREAS ACCORDINGLY IF PRESSURES, DEPTH OF COVER AND/OR SOIL BEARING VALUE VARIES.

NOT TO SCALE



Standard Construction Details
Engineering Department
City of Longview, Texas

TYPICAL BLOCKING DETAIL

Water

Date:
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