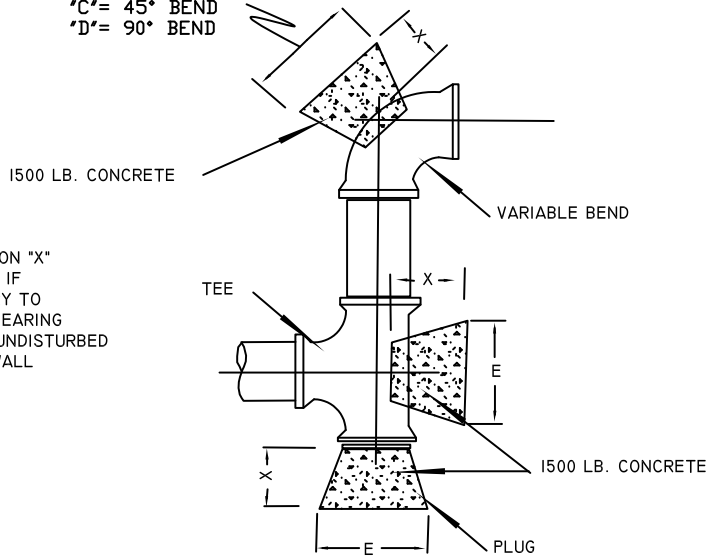


- *A' = 11 ¼° BEND
- *B' = 22 ½° BEND
- *C' = 45° BEND
- *D' = 90° BEND



* DIMENSION "X"
MAY VARY IF
NECESSARY TO
PROVIDE BEARING
AGAINST UNDISTURBED
TRENCH WALL

NOTE: VERTICAL DIMENSIONS OF ALL BLOCKS SHOWN SHALL BE IDENTICAL TO HORIZONTAL DIMENSIONS SHOWN. BEARING AREAS SHOWN ARE BASED ON 150 P.S.I. TEST PRESSURE AND 3000 P.S.F. SOIL BEARING VALUE. MINIMUM AREAS SHOWN ARE IN SQUARE FEET. ALL VALVES, BENDS, TEES SHALL BE RESTRAINED WITH MEGALUGS AND/OR ALL THREAD.

NOTE: ALL TEES, BENDS, AND VALVES SHALL BE RESTRAINED OR ALL THREADED

PIPE SIZE	X * DIM	11-1/4°		22-1/2°		45°		90°		TEE & PLUG	
		"A"	MIN. AREA IN sq.ft.	"B"	MIN. AREA IN sq.ft.	"C"	MIN. AREA IN sq.ft.	"D"	MIN. AREA IN sq.ft.	"E"	MIN. AREA IN sq.ft.
4"	1'	11"	.8'	1'-0"	.9'	1'-0"	.9'	1'-0"	.9'	1'-2"	.6'
6"	1.5'	11"	.8'	1'-0"	.9'	1'-1"	1.1'	1'-9"	3'	1'-3"	1.4'
8"	1.5'	11"	.8'	1'-0"	.9'	1'-5"	2.0'	1'-11"	3.5'	1'-7"	2.5'
10"	1.5'	11"	.8'	1'-3"	1.6'	1'-10"	3.2'	2'-3"	5.6'	2'-0"	4'
12"	1.5'	1'-2"	1.2'	1'-6"	2.3'	2'-2"	4.5'	2'-10"	8'	2'-5"	5.7'
16"	2'	1'-5"	2.0'	2'-0"	4.0'	2'-10"	8.0'	3'-9"	14.1'	3'-2"	10.0'
20"	2'	1'-9"	3.1'	2'-7"	6.2'	3'-6"	12.4'	4'-9"	22'	3'-11"	15.6'
24"	2'	2'-2"	4.5'	3'-0"	9.0'	4'-3"	18.1'	5'-8"	32'	4'-9"	22.6'
30"	2.5'	2'-8"	7.1'	3'-10"	14.2'	5'-4"	28.2'	7'-1"	49.8'	5'-11"	35.3'



PREPARED BY: THE CITY OF SULPHUR SPRINGS ENGINEERING DEPARTMENT

CITY OF SULPHUR SPRINGS
DEVELOPMENT MANAGEMENT MANUAL
DETAIL DRAWINGS

HORIZONTAL THRUST BLOCKING

SCALE: NTS
DATE: 11.21.2013
DR. BY:
CK. BY:

DRAWING NUMBER

FIG.-1.03