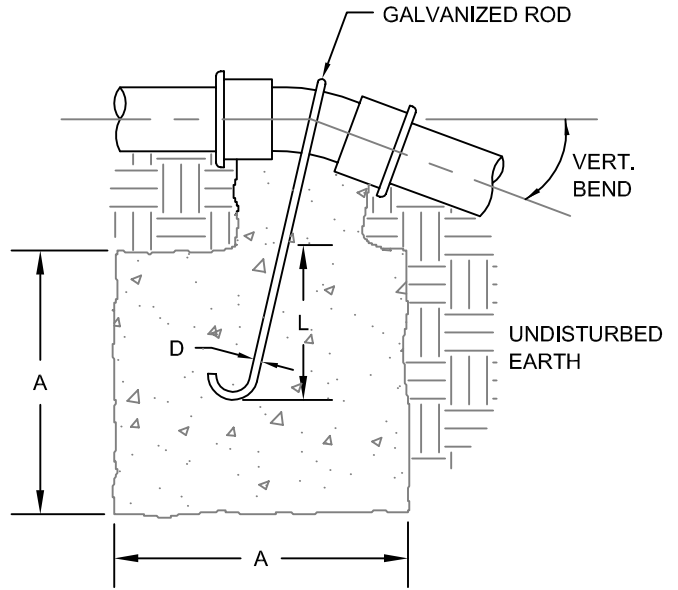
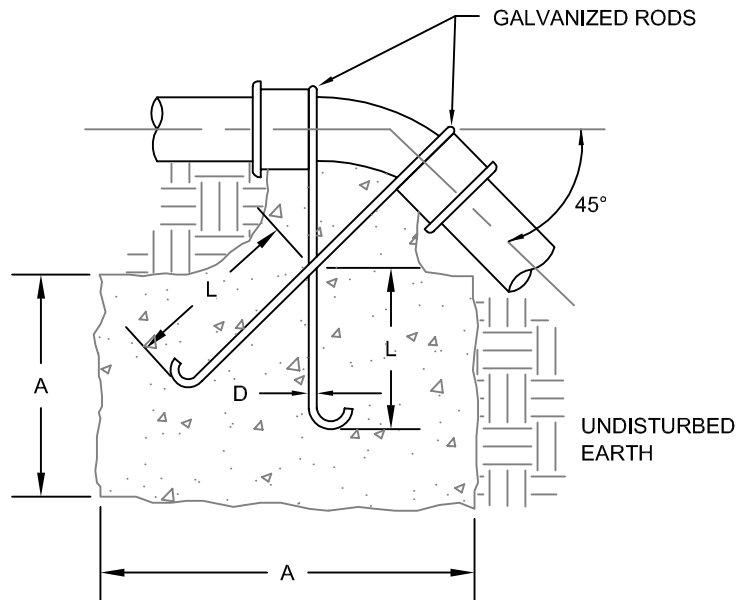


VERTICAL BLOCKING FOR 11 1/4°, 22 1/2°, 30° BENDS					
PIPE SIZE	V B	CU FT	A	D	L
4"	11 1/4°	8	2.0'	3/4"	1.5'
	22 1/2°	11	2.2'	3/4"	2.0'
	30°	17	2.6'	3/4"	2.0'
6"	11 1/4°	11	2.2'	3/4"	2.0'
	22 1/2°	25	2.9'	3/4"	2.0'
	30°	41	3.5'	3/4"	2.0'
8"	11 1/4°	16	2.5'	3/4"	2.0'
	22 1/2°	47	3.6'	3/4"	2.0'
	30°	70	4.1'	3/4"	2.5'
12"	11 1/4°	32	3.2'	3/4"	2.0'
	22 1/2°	88	4.5'	7/8"	3.0'
	30°	132	5.1'	7/8"	3.0'
16"	11 1/4°	70	4.1'	7/8"	3.0'
	22 1/2°	184	5.7'	11/8"	4.0'
	30°	275	6.5'	11/4"	4.0'
20"	11 1/4°	91	4.5'	7/8"	3.0'
	22 1/2°	225	6.1'	11/4"	4.0'
	30°	330	6.9'	13/8"	4.5'
24"	11 1/4°	128	5.0'	1"	3.5'
	22 1/2°	320	6.8'	13/8"	4.5'
	30°	480	7.9'	15/8"	5.5'
VERTICAL BLOCKING FOR 45° BENDS					
4"	45°	30	3.1'	3/4"	2.0'
6"		68	4.1'		
8"		123	5.0'		
12"		232	6.1'	3/4"	2.5'
16"		478	7.8'	11/8"	4.0'
20"		560	8.2'	11/4"	
24"		820	9.4'	13/8"	4.5'

NOTE: CONCRETE BLOCKING BASED ON 200 PSI WATER PRESSURE AND 2500 PSI CONCRETE



VERTICAL BLOCKING FOR 11 1/4°, 22 1/2° & 30° BENDS



VERTICAL BLOCKING FOR 45° BENDS

VERTICAL CONCRETE BLOCKING

NTS



REVISION DATE 1/8/04	DRAWN SED	CHECKED TDK	DISTRICT APPROVED TDK
PLOTTING SCALE NTS	FILE NAME F:\DWGS\DETAILS-2004\HWD-007	DATE APPROVED 3/1/04	