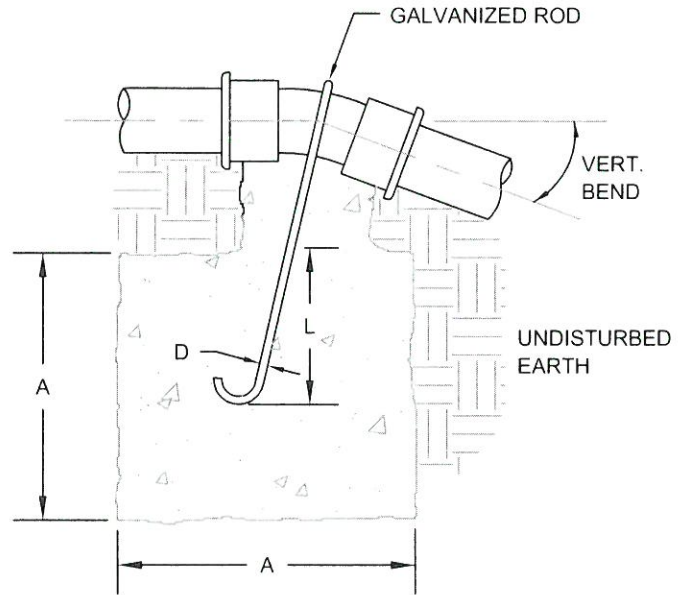


VERTICAL BLOCKING FOR 11 1/4°, 22 1/2°, 30° BENDS					
PIPE SIZE	V B	CU FT	A	D	L
4"	11 1/4°	8	2.0'	3/4"	1.5'
	22 1/2°	11	2.2'		2.0'
	30°	17	2.6'		
6"	11 1/4°	11	2.2'	3/4"	2.0'
	22 1/2°	25	2.9'		
	30°	41	3.5'		
8"	11 1/4°	16	2.5'	3/4"	2.0'
	22 1/2°	47	3.6'		
	30°	70	4.1'	3/4"	2.5'
12"	11 1/4°	32	3.2'	3/4"	2.0'
	22 1/2°	88	4.5'	7/8"	3.0'
	30°	132	5.1'		
16"	11 1/4°	70	4.1'	7/8"	3.0'
	22 1/2°	184	5.7'	1 1/8"	4.0'
	30°	275	6.5'	1 1/4"	

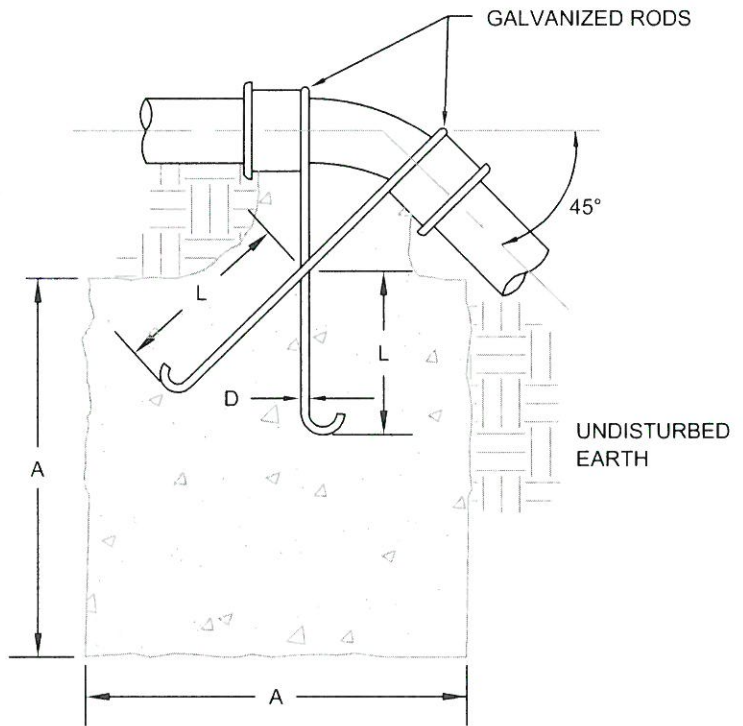
VERTICAL BLOCKING FOR 45° BENDS					
4"	45°	30	3.1'	3/4"	2.0'
6"		68	4.1'		
8"		123	5.0'		
12"		232	6.1'	3/4"	2.5'
16"		478	7.8'	1-1/8"	4.0'

**NOTES:**

- CONCRETE BLOCKING BASED ON 200 PSI WATER PRESSURE AND 2500 PSI CONCRETE.
- ALL MECHANICAL JOINTS (MJ) SHALL BE EQUIPPED WITH MECHANICAL RESTRAINT DEVICES (SEE STANDARDS).
- INSTALL PLASTIC SHEETING BETWEEN FITTINGS AND CONCRETE BLOCKING (SEE STANDARDS).



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



VERTICAL BLOCKING  
FOR 45° BENDS

**VERTICAL CONCRETE BLOCKING**

NTS

APPROVAL DATE  
10/21/2020

DRAWN  
SED

CHECKED  
DS

PLOTTING SCALE  
NTS

DETAIL NUMBER  
HWD STANDARD DETAIL 6

*BSD*  
*10/23/20*

