CITY OF DELAWARE OHIO EST 1808

Public Works Department

BACKING FOR VERTICAL BENDS

(OVER BENDS ONLY)

STANDARD DETAIL

WATER

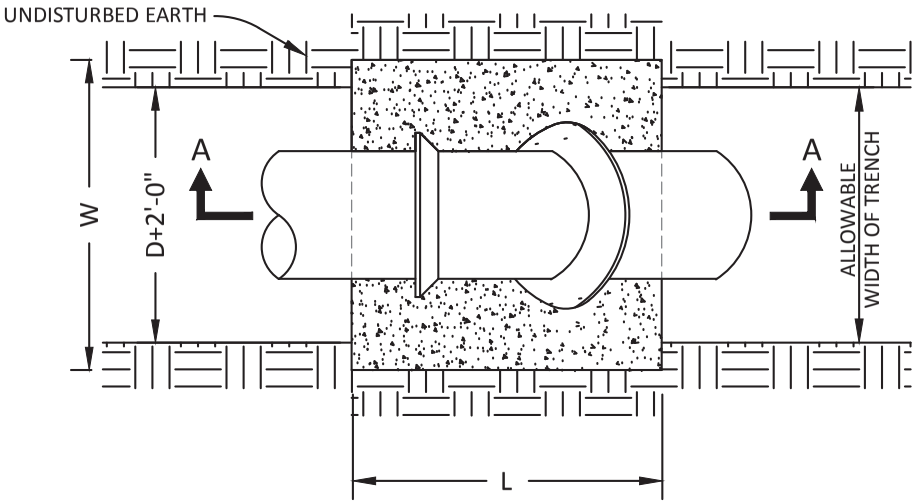
WTRD-12.0

Rev. 12/31/2018

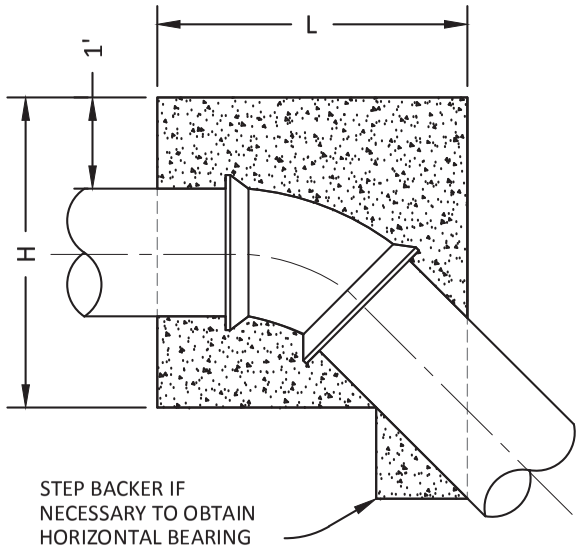
SIZE OF PIPE	DEGREE OF BEND											
	11 ¼°				22 ½°				45°			
	L"	W"	H"	V (c.f.)	L"	W"	H"	V (c.f.)	L"	W"	H"	V (c.f.)
3"	12	18	12	1.5	13	25	16	3.0	18	30	19	5.9
4"	12	24	16	2.6	16	30	18	5.0	22	36	24	11.0
6"	12	48	18	6.0	15	43	36	13.4	30	55	24	22.9
8"	12	63	24	10.5	18	57	34	20.2	36	57	33	39.2
12"	20	54	36	22.6	37	62	37	49.0	48	62	51	87.9
16"	31	65	38	44.3	60	65	39	88.1	65	65	65	159.2
20"	45	70	40	72.8	56	70	60	136.2	72	76	78	247.0
24"	41	72	54	92.3	67	74	69	198.0	88	84	84	359.1
REINFORCING STEEL WILL BE USED AS REQUIRED BY THE ENGINEER												

NOTES:

1. BACKER TO BE CENTERED HORIZONTALLY IN BEND.
2. A LAYER OF POLYETHYLENE SHEETING REQUIRED BETWEEN CONCRETE AND WATERLINE, VALVES, ETC.



PLAN VIEW



SECTION A-A