



HORIZONTAL BENDS, 22.5, 45 & 90 DEGREE TURNS										
SIZE OF PIPE (IN)	DEGREE OF BEND	A (FT)	B MIN. (FT)	C (FT)	D (FT)	E (FT)	F (FT)	G (FT)	H MIN. (FT)	J (FT)
6	45	1.75	0.75	1.00	2.00	1.00	1.50	0.75	1.92	1.33
6	90	1.75	0.75	1.00	2.50	1.25	1.50	0.75	1.92	1.17
8	45	1.75	0.75	1.00	2.33	1.17	2.00	1.00	1.92	1.33
8	90	1.75	0.75	1.00	3.33	1.67	2.50	1.25	1.92	1.08
12	22½	1.75	0.75	1.00	2.50	1.25	2.00	1.00	2.00	1.33
12	45	2.08	0.75	1.33	3.50	1.75	2.50	1.25	2.33	1.33
12	90	2.08	0.75	1.33	5.50	2.75	3.00	1.50	2.33	1.67
16	22½	2.67	1.00	1.67	3.33	1.67	2.50	1.25	3.00	1.17
16	45	2.67	1.00	1.67	5.33	2.67	3.00	1.50	3.00	2.50
16	90	2.67	1.00	1.67	6.00	3.00	5.00	2.50	3.00	2.67

**NOTE**

THE THRUST BLOCK FACE SHALL BE POURED AGAINST UNDISTURBED EARTH.

THE DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING THAT THE THRUST BLOCKS ARE CORRECTLY SIZED FOR EACH APPLICATION.

C					
B					
A					
	DESCRIPTION	DRW	CKD	APP	DATE
REVISIONS					
DRAWN BY: S.D.A.					
CHECKED BY: S.D.A.					
APPROVED:					

**THRUST BLOCK,  
HORIZONTAL  
BEND  
(TRADITIONAL  
DWS D SIZING)**

SCALE: NONE

CITY OF DETROIT  
WATER AND SEWERAGE  
DEPARTMENT  
ENGINEERING  
DIVISION

SHEET 1 OF 2

02620-21  
DWG No.