



		PIPE DIAMETER (INCHES)						
		3", 4", & 6"	8"	12"	16"	20"	24"	
ANGLE OF BEND	1/8 45°	A	2.5"	2.5"	2.5"	3.5"	3.5"	3.5"
		B	18"	2'-0"	2'-4"	3'-6"	4'-0"	5'-6"
		C	12"	14"	19"	21"	2'-1"	2'-4"
		D	.02	.04	.07	.13	.19	.31
	1/16 22 1/2°	B	18"	2'-0"	2'-4"	2'-8"	3'-0"	4'-0"
		C	9"	11"	16"	16"	20"	22"
		D	.02	.04	.07	.09	.13	.21
	1/32 11 1/4°	B	18"	2'-0"	2'-4"	2'-8"	3'-0"	4'-0"
		C	7"	9"	13"	14"	17"	18"
		D	.03	.03	.06	.08	.12	.19

D = APPROXIMATE VOLUME OF CONCRETE IN CUBIC YARDS

NOTES:

1. WRAP FITTING WITH PLASTIC WRAP BEFORE PLACING CONCRETE
2. CONCRETE SHALL BE CLASS 15-1
3. CONCRETE MUST BEAR AGAINST UNDISTURBED SOIL
4. SOIL BEARING VALUE - 2000 PSF

PHILADELPHIA WATER — DEPARTMENT —	CONCRETE ANCHORS FOR VERTICAL BENDS (BOTTOM)		
	DRAWN BY:	D&B GUARINO	DATE: FEB. 2022
	CHECKED BY:	WD	DETAIL ID: THRUST-06 REV.: 1