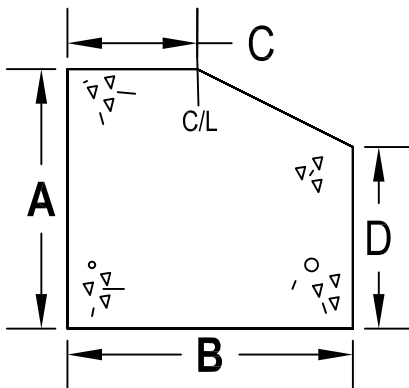


Conforms to American Water Works Association, Manual of Water Supply Practices - AWWA M4, Copyright 1996

	PIPE SIZE	A	B	C	D	WIDTH	CU. YARDS
11 1/4°	6"	2' - 0"	2' - 0"	1' - 0"	1' - 10"	2' - 0"	0.29
	8"	2' - 4"	3' - 0"	1' - 6"	2' - 1"	2' - 0"	0.51
	10"	2' - 9"	2' - 9"	1' - 4.5"	2' - 6"	2' - 9"	0.78
	12"	3' - 0"	3' - 4"	1' - 6"	2' - 8"	3' - 0"	1.11
	14"	3' - 0"	4' - 0"	1' - 8"	2' - 8"	3' - 4"	1.48
	16"	4' - 0"	4' - 0"	1' - 8"	3' - 8"	3' - 4"	2.22
	20"	4' - 1"	5' - 0"	2' - 0"	3' - 9"	4' - 2"	3.69
	24"	5' - 1"	5' - 0"	2' - 4"	4' - 8"	4' - 9"	4.22
	30"	5' - 3"	6' - 0"	3' - 0"	4' - 8"	6' - 0"	7.00
	36"	6' - 1"	7' - 0"	3' - 2"	5' - 6"	6' - 4"	10.30
22 1/2°	6"	2' - 10"	2' - 6"	1' - 3"	2' - 4"	2' - 6"	0.56
	8"	3' - 4"	3' - 0"	1' - 6"	2' - 9"	3' - 0"	1.01
	10"	3' - 11"	4' - 0"	2' - 0"	3' - 1"	3' - 0"	1.54
	12"	4' - 2"	4' - 0"	2' - 0"	3' - 5"	4' - 0"	2.19
	14"	4' - 4"	5' - 0"	2' - 6"	3' - 4"	4' - 0"	2.98
	16"	4' - 6"	5' - 0"	2' - 6"	3' - 6"	5' - 0"	3.88
	20"	5' - 4"	5' - 6"	2' - 9"	4' - 2"	6' - 0"	6.07
	24"	6' - 4"	6' - 7"	3' - 4"	5' - 1"	6' - 0"	8.75
	30"	7' - 4"	7' - 6"	3' - 9"	5' - 10"	7' - 0"	13.64
	36"	8' - 4"	8' - 5"	4' - 2"	6' - 8"	8' - 0"	19.87
45°	6"	3' - 6"	3' - 0"	1' - 6"	1' - 9"	3' - 3"	1.08
	8"	3' - 9"	4' - 0"	2' - 0"	1' - 10"	4' - 0"	1.19
	10"	4' - 6"	4' - 0"	2' - 0"	2' - 3"	5' - 0"	2.92
	12"	4' - 6"	4' - 2"	2' - 1"	2' - 3"	5' - 0"	3.06
	14"	5' - 6"	5' - 5"	2' - 7"	2' - 9"	6' - 0"	5.83
	16"	6' - 1"	6' - 0"	3' - 0"	3' - 0"	6' - 0"	7.41
	20"	7' - 1"	7' - 0"	3' - 6"	3' - 6"	7' - 0"	11.88
	24"	7' - 9"	8' - 0"	4' - 0"	3' - 10"	8' - 0"	17.29
	30"	9' - 6"	9' - 0"	4' - 5"	4' - 9"	9' - 0"	26.70
	36"	10' - 5"	10' - 5"	5' - 2"	5' - 3"	10' - 0"	38.48



NOTE:
SEE DRAWING W-26 FOR
DETAILS OF STRAPS USED
WITH THIS BLOCK

REVISIONS

City of Cumming

Department of Utilities - Distribution and Collection Division

THRUST RESTRAINT UPWARD THRUST



W-27