



SECTION A

NOTE:

ENGINEER SHALL VERIFY SOIL CONDITION BEFORE THRUST BLOCK DESIGN IS IMPLEMENTED.

DESIGN DATA:

DIMENSION OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE AND 250 PER SQUARE INCH TEST PRESSURE. ACTUAL INSIDE DIAMETER OF DUCTILE IRON PIPE, CLASS 2 USED AS STANDARD. CONCRETE SHALL BE CLASS A, 3000 P.S.I. HIGH EARLY.

MINIMUM DIMENSIONS IN FEET FOR CONCRETE BLOCKING

BEND	SIZE	A	B	C	D	VOLUME CUBIC YARD
	6"	1.0	1.0	7"	1.0	0.03
	8"	1.0	1.25	7"	1.0	0.04
11 1/4°	12"	1.0	2.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
	20"	2.0	3.0	19"	3.0	0.5
	24"	3.0	4.0	22"	3.0	0.8
	6"	1.0	1.5	7"	1.0	0.04
	8"	1.0	2.0	7"	2.0	0.1
22 1/2°	12"	2.0	3.0	11"	2.0	0.3
	16"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	0.1
	24"	4.0	6.0	22"	4.0	2.3
	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
45°	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
	20"	4.0	6.0	19"	5.0	2.8
	24"	5.0	8.0	22"	6.0	5.0

BEND	SIZE	A	B	C	D	VOLUME CUBIC YARD
	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
90°	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3
	24"	6.0	10.0	22"	8.0	10.5
	6"	1.5	2.0	7"	1.75	0.13
TEES AND PLUGS	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	4.0	0.8
	16"	4.0	5.0	15"	5.0	1.8
	20"	2.0	7.0	19"	6.0	3.9
	24"	2.0	8.0	22"	7.0	5.5

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta



STANDARD DETAILS

TYPICAL HORIZONTAL THRUST BLOCK

REV.

DATE: OCT. 2011

ORIG. DATE: NOV. 2004

SCALE: N.T.S.

DETAIL NO. WR-G_TH005