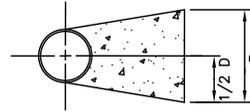
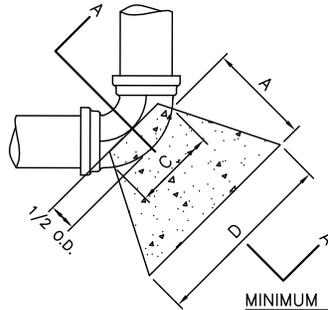


POLYWRAP FITTINGS,  
GLANDS, AND BOLTS  
TO FACILITATE FUTURE  
REMOVAL



SECTION A-A

MINIMUM DIMENSIONS FOR CONCRETE BLOCKING

BEND	SIZE	A	B	C	D	VOLUME CY	
11	1/4°	6"	1'-0"	2'-0"	4"	1'-0"	0.05
		8"	1'-0"	2'-0"	5"	1'-0"	0.05
		12"	1'-0"	2'-0"	7"	1'-0"	0.05
		16"	1'-0"	2'-0"	1'-0"	2'-0"	0.22
		20"	2'-0"	3'-0"	1'-3"	2'-0"	0.32
22	1/2°	6"	1'-0"	2'-0"	6"	1'-0"	0.05
		8"	1'-0"	2'-0"	7"	1'-0"	0.05
		12"	1'-0"	2'-0"	10"	2'-0"	0.11
		16"	2'-0"	4'-0"	1'-0"	2'-0"	0.37
		20"	2'-0"	4'-0"	1'-3"	3'-0"	0.58
45°		6"	1'-0"	2'-0"	6"	1'-0"	0.05
		8"	1'-0"	2'-0"	7"	2'-0"	0.10
		12"	2'-0"	3'-0"	11"	3'-0"	0.44
		16"	3'-0"	5'-0"	1'-0"	3'-0"	1.00
		20"	4'-0"	6'-0"	1'-3"	4'-0"	2.15
90°		6"	1'-0"	2'-0"	1'-0"	2'-0"	0.11
		8"	2'-0"	3'-0"	1'-2"	2'-6"	0.37
		12"	2'-0"	4'-0"	2'-0"	4'-0"	0.84
		16"	4'-0"	6'-0"	2'-2"	4'-9"	2.84
		20"	4'-0"	7'-0"	2'-8"	6'-4"	4.51
TEES & PLUGS		6"	1'-0"	2'-0"	10"	1'-6"	0.08
		8"	1'-9"	2'-6"	1'-1"	2'-0"	0.23
		12"	2'-6"	3'-9"	1'-7"	3'-0"	0.75
		16"	3'-0"	5'-0"	2'-2"	4'-0"	1.59
		20"	4'-0"	6'-0"	2'-8"	5'-0"	3.21

FOR 3" & 4" PIPE, USE 6" SIZES

**DESIGN DATA:**

- DIMENSIONS OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE AND 200 POUNDS PER SQUARE INCH TEST PRESSURE. ACTUAL INSIDE DIAMETER OF DUCTILE IRON PIPE, CLASS 51 USED AS STANDARD.
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS. HIGH EARLY CONCRETE SHALL BE USED.

**NOTE**

SOIL CONDITIONS SHALL BE VERIFIED BY A THIRD-PARTY GEOTECHNICAL TESTING FIRM BEFORE DESIGN IS IMPLEMENTED.

**GREER COMMISSION OF PUBLIC WORKS**  
CONCRETE THRUST BLOCK DETAIL

APPROVED BY: --		DATE: FEBRUARY 2021	DRAWING NO. WW-11
SCALE: NTS		REVISED: --	