



NOTES:

- 1) DIMENSIONS OF CONCRETE COLLARS BASED ON 2,000 POUNDS PER SQUARE FOOT (PSF) SOIL BEARING.
- 2) SPECIFICATIONS OF MEGA-LUGS SHALL CONFORM TO THE PIPE MANUFACTURERS SUPPLIED SHOP DRAWINGS, WHICH SHALL INDICATE A THRUST RATING NOT LESS THAN THAT INCLUDED IN THE CHART BELOW.
- 3) THRUST COLLARS SHALL CONFORM TO THE PIPE MANUFACTURER'S SUPPLIED SHOP DRAWINGS WHICH SHALL INDICATE A THRUST RATING NOT LESS THAN THAT INCLUDED IN THE CHART BELOW.
- 4) DIMENSIONS OF WELDED STEEL OR DUCTILE IRON.
- 5) CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 POUNDS PER SQUARE INCH (PSI) AT 28 DAYS. "HIGH EARLY STRENGTH" CONCRETE SHALL BE USED.
- 6) SOIL CONDITIONS SHALL BE VERIFIED BY A THIRD-PARTY TESTING FIRM AT THE EXPENSE OF THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 7) FOR 3" PIPE, USE 4" DIAMETER THRUST RATING.

PIPE SIZE	A	B	C	D	E	CY.	WELDED THRUST COLLAR MINIMUM RATING
4"	3'-0"	2'-0"	1'-6"	1'-6"	0'-8"	0.33	4,500 lbs
6"	4'-0"	2'-0"	1'-6"	2'-0"	0'-9"	0.44	9,300 lbs
8"	4'-6"	2'-0"	2'-0"	2'-3"	1'-0"	0.67	16,000 lbs
12"	6'-0"	2'-0"	3'-0"	3'-0"	1'-6"	1.33	34,000 lbs
16"	6'-6"	2'-0"	4'-6"	3'-3"	2'-3"	2.17	59,000 lbs

- Detail "A" and "B" Apply to DIP in Gravity and Pressure Applications
- Detail "C" Applies to SDR-35 PVC and DIP in Gravity Applications ONLY

GREER COMMISSION OF PUBLIC WORKS
TYPICAL CONCRETE COLLAR DETAIL

APPROVED BY: --		DATE: FEBRUARY 2021	DRAWING NO. WW-8
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