

SIDE VIEW

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QUANTITIES FO	OR CONCRETE PIPES
INSIDE DIAMETER OF PIPE INCH	ESTIMATED CLASS SI CONCRETE REQUIRED 20" WIDTH CU.YD.
4′′	0.14
6′′	0.16
8′′	0.19
10''	0.22
12"	0.25
15"	0.30
18"	0.35
24"	0.45
30′′	0.57
36"	0.69
42"	0.83
48′′	0.97
54"	1.12
60′′	1.28

QUANTITIES (FOR METAL PIPES				
INSIDE DIAMETER OF PIPE INCH	ESTIMATED CLASS SI CONCRETE REQUIRED 20" WIDTH CU.YD.				
4"	0,12				
6″	0.14				
8"	0.16				
10''	0.19				
12"	0.21				
15"	0.25				
18"	0.29				
24"	0.38				
30"	0.47				
36′′	0.59				
42"	0.69				
48′′	0.81				
54"	0.93				
60''	1.05				

GENERAL NOTES

- 1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
- 2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
- 3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m2).
- 4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
- 5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.
- 6. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE

FILE NAME =	•	USER NAME = _USERDESCR_	DESIGNED -	K.M.M.	REVISED -			RTE.	SECTION	COUNTY	SHEETS	NO.
h:\6513 1dot	d8 var\6513.01 wo 1\cadd_she	ets\0876E3Ø-sht-details-ConcCollar-Ø9.dgn	CHECKED -	L.D.G.	REVISED -	STATE OF ILLINOIS	CONCRETE COLLAR	57	61-(1,2,3,4,5,6)-I	MARION	86	9
		PLOT SCALE = 20.000 '/ IN.	DRAWN -	K.H.L.	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRAC	CT NO. 76	6E30
		PLOT DATE = 2/2/2011 CHECKED - B.G.H. REVISED -		SHEET NO. OF SHEETS	ILLINOIS FED. AID PROJECT							
LIENDA	MEISENHEIME	R & CENDE PAC TAK	E ROAD.	P.O. BOX 70	CARLSON HI GARSI	(C18) FO4-3711 WWW. FOMGENGINFERS.COM						