

QUANTITIES FOR	CONCRETE PIPES
INSIDE DIAMETER	ESTIMATED
OF PIPE	CLASS SI CONCRETE
	REQUIRED
	20" (500 mm) WIDTH
INCH (mm)	CU.YD. (m3)
4" (100)	0.14 (0.11)
6'' (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FO	OR METAL PIPES
INSIDE DIAMETER	ESTIMATED
OF PIPE	CLASS SI CONCRETE
	REQUIRED
	20" (500 mm) WIDTH
INCH (mm)	CU. YD. (m3)
4'' (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54'' (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

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.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 54248510

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	119RS-4, 18RS & (57-10)RS	MCLEAN	225	57

FILE NAME =	USER NAME = oglebj	DESIGNED -	REVISED - 12/06
c:\pw_work\pwidot\oglebj\d0244982\D5707	B3-sht-details.dgn	DRAWN -	REVISED -
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 10/9/2012	DATE -	REVISED -

STATE OF ILLINOIS							
DEPARTMENT ()F T	RANSPORTATION					

SCALE:

				F.A.P. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.			
	CONCRETE COLLAR				315	119RS-4, 18F	RS & (57-10)RS	MCLEAN	225	57		
										CONTRACT	NO.	70783	
	SHEET NO.	0F	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO.	ILLINO	IS FED. AI	D PROJECT			