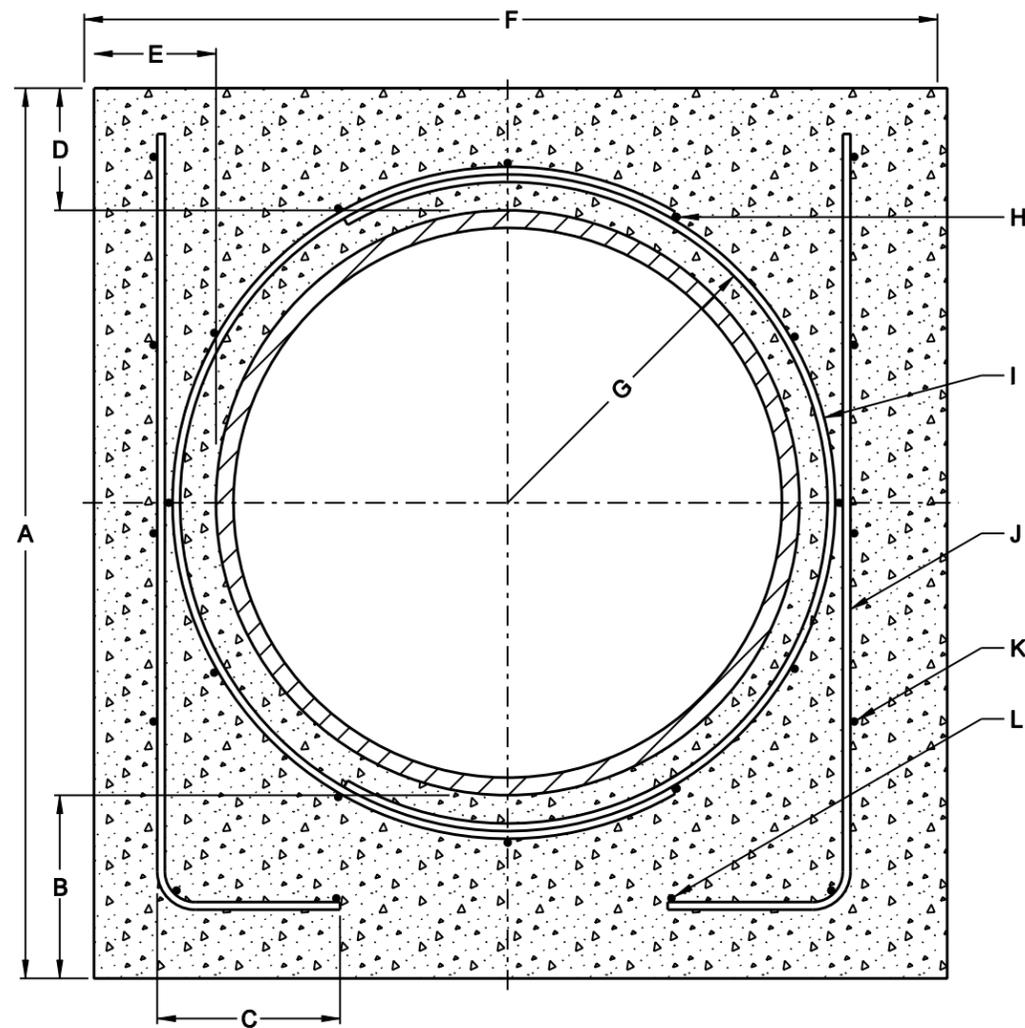


LONGITUDINAL SECTION



TRANSVERSE SECTION

PIPE SIZE (IN.)	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F MIN. (IN.)	G (IN.)	H	I (BEND TO RADIUS G)	J	K	L	CU. YDS. CONC. PER FT.	LBS. STEEL PER FT.
36	58	12	12	8	8	56	21	12 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 78" LONG	#4 BAR, 6" O.C., 60" LONG	8 - #4 BARS, 12" OVERLAP MIN.	4 - #4 BARS, 18" OVERLAP MIN.	.56	48
40	62	12	12	8	8	58	23	12 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 84" LONG	#4 BAR, 6" O.C., 64" LONG	8 - #4 BARS, 12" OVERLAP MIN.	4 - #4 BARS, 18" OVERLAP MIN.	.62	50
42	64	12	12	8	8	60	24	12 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 88" LONG	#4 BAR, 6" O.C., 68" LONG	8 - #4 BARS, 12" OVERLAP MIN.	4 - #4 BARS, 18" OVERLAP MIN.	.65	52
46	68	12	12	8	8	64	26	12 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 94" LONG	#4 BAR, 6" O.C., 70" LONG	8 - #4 BARS, 12" OVERLAP MIN.	4 - #4 BARS, 18" OVERLAP MIN.	.71	55
48	69	12	12	8	8	65	27	14 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 96" LONG	#4 BAR, 6" O.C., 72" LONG	10 - #4 BARS, 12" OVERLAP MIN.	4 - #6 BARS, 18" OVERLAP MIN.	.71	59
50	72	12	12	8	8	67	29	15 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 108" LONG	#4 BAR, 6" O.C., 75" LONG	10 - #4 BARS, 12" OVERLAP MIN.	4 - #6 BARS, 18" OVERLAP MIN.	.75	62
54	75	12	12	8	8	72	31.5	16 - #4 BARS, 12" OVERLAP MIN.	#4 BAR, 6" O.C., 120" LONG	#4 BAR, 6" O.C., 78" LONG	12 - #4 BARS, 12" OVERLAP MIN.	4 - #6 BARS, 18" OVERLAP MIN.	.80	69



MINNEAPOLIS
DEPARTMENT OF PUBLIC WORKS

DRAWN: TDS DATE: 1/1/12
APPROVED: RCE DATE: 1/1/12

REINFORCED CONCRETE ENCASMENT
FOR 36", 40", 42", 46", 48" AND 54"
WATERMAINS

STANDARD
PLATE
NO.
WATR-3002A-R1

NOT TO SCALE