



4' BEND SECTION

SEE PLATE SEWR-4000 FOR SHEAR REINFORCEMENT DETAILS

"C" & "R" DIMENSIONS FOR NOM. "A" LENGTH						
Α	0'	2'	4'	6'	8'	10'
В	2'	3'	4'	5'	6	7'
R	30.5'	45.8'	61.0'	76.3'	91.5'	106.8'

R = MINIMUM RADIUS OF CURVE TO CL OF PIPE.

R = 30.5' WITH NO STRAIGHT PIPE BETWEEN BENDS.

FORMULA FOR R:

R = 7.63 (4 + A)

A = LENGTH OF STRAIGHT PIPE BETWEEN EACH BEND SECTION.

R = 15.26 + B

B = DISTANCE FROM BEND JOINT TO TANGENT POINT.

B = A/2 + 2'

INSIDE DIA. OF PIPE (IN.)	CROSS SECTION AREA	C OUTSIDE DIA.	WEIGHT (LB. PER LIN. FT.)	D	L1 "C" WALL	MIN L2	X1 (IN.)	X2 (IN.)	Y3 (IN.)
12	0.79	19	132	3.90	5	1 3/8	1	7/8	.313
15	1.23	22.5	177	3.88	4 3/4	1 1/2	1	7/8	.313
18	1.77	26	226	3.86	5	1 3/4	1	7/8	.313
21	2.40	29.5	280	3.84	5 1/4	1 7/8	1	7/8	.313
24	3.14	33	341	3.82	5 1/2	2	1	7/8	.313
27	3.98	36.5	405	3.80	5 1/2	2	1	7/8	.313
30	4.91	40	476	3.78	5 1/2	2	1	7/8	.313
33	5.94	43.5	552	3.76	5 3/4	2 1/8	1	7/8	.313
36	7.07	47	633	3.74	6	2 3/8	1	7/8	.313

DIMENSIONS ARE IN INCHES CROSS SECTION AREAS AND "D" ARE IN FEET

MNDOT SPEC. REF. 2503 MODIFIED MNDOT 3000L, 3006G "C" WALL ONLY NOT TO SCALE



DEPARTMENT OF PUBLIC WORKS						
DRAWN: DCD	DATE: 3/03					
APPROVED: HRS	DATE: 12/06					

RC PIPE BEND

STANDARD PLATE NO. SEWR-4003