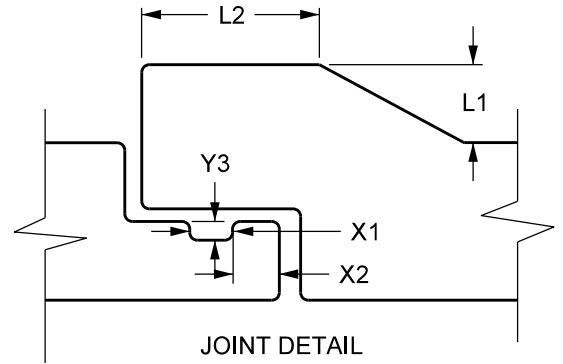


4' BEND SECTION



SEE PLATE SEWR-4000 FOR SHEAR REINFORCEMENT DETAILS

"C" & "R" DIMENSIONS FOR NOM. "A" LENGTH						
A	0'	2'	4'	6'	8'	10'
B	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



DRW: DCD DATE: 3/03
 APP: HRS DATE: 12/06

RC PIPE BEND

STANDARD PLATE NO. SEWR-4003