CIRCULAR CONCRETE PIPE
NARROW AND WIDE TRENCH WIDTHS IN FEET FOR
CLASS C BEDDING, MEASURED AT TOP OF PIPE IN FEET

PIPE CLASS	CLASS II		CLASS III		CLASS IV		CLASS V	
PIPE DIA. (in.)	N	W	N	W	N	W	N	W
12	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
15	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5
18	4.0	4.0	4.0	4.0	4.0	4.5	4.0	5.0
21	4.5	4.5	4.5	4.5	4.5	5.0	4.5	5.5
24	4.5	4.5	4.5	5.0	4.5	5.0	4.5	6.0
27	5.0	5.0	5.0	5.5	5.0	5.5	5.0	6.5
30	5.5	5.5	5.5	5.5	5.5	6.0	5.5	7.0
33	5.5	6.0	5.5	6.0	5.5	6.5	5.5	7.5
36	6.5	6.5	6.5	6.5	6.5	7.0	6.5	7.5
42	7.0	7.5	7.0	7.5	7.0	8.0	7.0	8.5
48	7.5	7.5	7.5	8.0	7.5	9.0	7.5	9.5
54	8.5	8.5	8.5	9.0	8.5	9.5	8.5	10.5
60	9.0	9.0	9.0	9.5	9.0	10.5	9.0	11.5
66	9.5	9.5	9.5	10.0	9.5	11.5	9.5	12.0
72	10.0	10.0	10.0	11.0	10.0	12.0	10.0	13.0
78	10.5	10.5	10.5	11.5	10.5	13.0	10.5	14.0
84	11.0	11.5	11.0	12.0	11.0	13.5	11.0	15.0
90	12.0	12.0	12.0	13.0	12.0	15.0	12.0	15.5
96	12.5	12.5	12.5	13.5	12.5	15.5	12.5	16.5
102	13.0	13.0	13.0	14.0	13.0	16.0	13.0	17.5
108	13.5	13.5	13.5	14.5	13.5	16.5	13.5	18.0

N = NARROW TRENCH; MINIMUM WIDTH
W = WIDE TRENCH; TRANSITION WIDTH

MINNEAPOLIS DESIGN REFERENCE
MNDOT DRAINAGE MANUAL
SECTION 2.5; AUGUST 30, 2000
NOT TO SCALE

MINNEAPOLIS
DEPARTMENT OF PUBLIC WORKS

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TRENCH WIDTH FOR CONCRETE PIPE
CLASS C BEDDING

STANDARD
PLATE
NO.
SEWR-6003