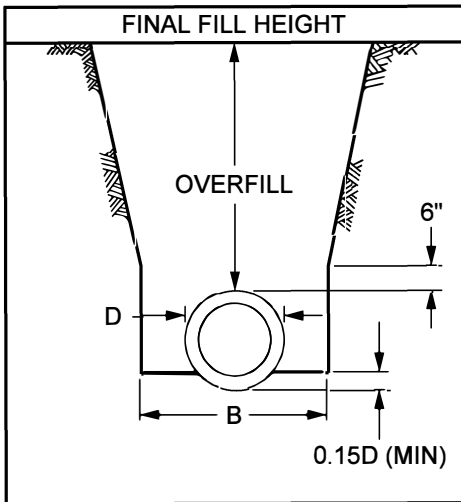


**CIRCULAR CONCRETE PIPE
HEIGHT OF BACKFILL IN FEET FOR CLASS C BEDDING
MEASURED AT TOP OF PIPE IN FEET, 120 PCF SOIL DENSITY**

PIPE CLASS PIPE DIA. (in.)	CLASS II		CLASS III		CLASS IV		CLASS V	
	N	W	N	W	N	W	N	W
12	6	6	9	9	13	13	21	19
15	6	6	9	9	13	13	22	19
18	7	7	9	9	14	13	34	20
21	7	7	9	9	14	14	34	20
24	7	7	9	9	14	14	34	20
27	7	7	9	9	16	14	34	20
30	7	7	10	9	16	14	34	20
33	7	7	10	9	16	14	34	20
36	7	7	10	9	17	14	34	21
42	7	7	10	9	17	14	34	21
48	8	8	11	10	18	14	34	21
54	8	8	11	10	18	14	34	21
60	8	8	11	10	18	14	34	21
66	8	8	11	10	18	14	34	21
72	8	8	12	11	19	14	34	21
78	9	8	12	11	20	15	34	21
84	9	9	12	11	20	15	34	21
90	9	9	12	11	20	15	34	22
96	9	9	13	11	20	15	34	22
102	9	9	13	11	20	16	34	22
108	9	9	13	12	20	16	34	22

N = NARROW TRENCH: MINIMUM WIDTH
W = WIDE TRENCH: TRANSITION WIDTH
PIPE DIA. (in.) = INSIDE DIAMETER IN CHART



CLASS C (ORDINARY BEDDING)
CLASS C BEDDING CONSISTS OF CAREFULLY SHAPING THE FOUNDATION SOIL TO FIT THE LOWER EXTERIOR OF THE PIPE TO A DEPTH OF AT LEAST 15% OF THE OUTSIDE DIAMETER FOR CIRCULAR PIPES, AND AT LEAST EQUAL TO 1/2 OF THE HEIGHT OF ARCH PIPE. ADDITIONAL CONSIDERATION FOR BELL END PIPE IS USED. THE BEDDING MUST BE EXCAVATED TO ACCEPT THE BELL END SO THAT THE PIPE IS SUPPORTED ALONG ITS FULL LENGTH AND NOT JUST AT THE BELL.

PIPE DIA. (in.)	B
36 OR LESS	D + 24"
42 TO 54	1.5 x D
60 OR OVER	D + 36

MINNEAPOLIS DESIGN REFERENCE
MNDOT DRAINAGE MANUAL
SECTION 2.5; AUGUST 30, 2000
FIG. 2.3 CLASSES OF BEDDING
FOR TRENCH CONDITIONS
NOT TO SCALE



DRW: CLK

DATE: 12/20

APP: KMM

DATE: 4/21

**CLASS C BEDDING FOR
TRENCH CONDITION**

STANDARD
PLATE
NO.
SEWR-6002-R1