

BEDDING

1. V.C.P. (EXTRA-STRENGTH)

A. THE FOLLOWING MAY BE USED AS A GUIDE ONLY IN DETERMINING THE REQUIRED CLASS OF BEDDING BASED UPON MAXIMUM DEPTH TO SEWER PIPE INVERT. FOR OTHER CONDITIONS OF TRENCH WIDTH, OR FOR A WIDE TRENCH CONDITION, INDEPENDENT ANALYSIS MUST BE MADE.

PIPE DIAMETER (in.)	TRENCH MAXIMUM WIDTH (in.)	MAXIMUM DEPTH, (FEET)			
		CLASS OF BEDDING (1) (2)			
		A-1(1)	B-2	B-1	C
8	32	30+	30+	20.0	12.0
10	34	30+	30+	19.0	12.0
12	38	30+	21.5	16.0	11.0
15	42	30+	23.0	17.0	12.0
18	46	30+	24.0	18.0	12.5
21	50	30+	25.0	19.0	13.5
24	54	30+	26.0	20.0	14.5
27	56	30+	27.5	21.5	15.0

(1) REFER TO STD. DWG. NO. 2104

(2) ASSUMPTIONS

A. ORDINARY CLAY BACKFILL @ 120 lbs/cf

B. F.S. = 1.5

C. LOAD FACTORS

CLASS A-1 = 2.8

B-2 = 2.2

B-1 = 1.9

C = 1.5

ENGINEER SHALL BE REQUIRED TO PROVIDE STRUCTURAL LOADING CALCULATIONS FOR PIPELINE INSTALLATIONS DEEPER THAN 30 FEET.



APPROVED BY: <i>John P. Sullivan</i> 24079 08/15/06				
JOHN P. SULLIVAN CITY ENGINEER RCE DATE				
RECOMMENDED: <i>Scott Burtis</i> 57875 08/14/06				
ASST. UTIL. DIRECTOR/ENG. RCE DATE				
REV	DESCRIPTION	BY	APP'D	DATE

CITY OF ONTARIO

BEDDING DETAILS (B)

STANDARD
DRAWING
NUMBER

2105