



PIPE I.D.	MAX. TRENCH WIDTH	RC STORM DRAIN ASTM C-76 & BEDDING FACTOR										
		CL. II = 1000D		CL. III = 1350D			CL. IV = 2000D			CL. V = 3000D		
		1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0
18"	34"	9	30+	NL	20	30+	14	30+	30+	30+	30+	30+
	40"	6	16	NL	12	30+	8	30	30+	18	30+	30+
	46"	5	10	NL	8	18	6	16	30+	12	30+	30+
	52"	5	9	NL	7	14	6	12	30	10	26	30+
	58"	5	9	NL	7	12	6	12	20	10	18	30+
	64"	5	9	NL	7	12	6	12	18	10	18	30+
70"+	5	9	NL	7	12	6	12	18	10	18	28	
24"	41"	9	30	NL	18	30+	14	30+	30+	30+	30+	30+
	47"	7	16	NL	12	30+	9	30	30+	20	30+	30+
	53"	5	12	NL	9	20	7	18	30+	14	30+	30+
	59"	5	10	NL	7	16	6	14	30+	12	30+	30+
	65"	5	9	NL	7	12	6	12	26	10	22	30+
	71"	5	9	NL	7	12	6	12	20	10	18	30+
77"	5	9	NL	7	12	6	12	18	10	18	30+	
83"+	5	9	NL	7	12	6	12	18	10	18	28	
30"	49"	9	24	6	18	30+	*12	30+	30+	30+	30+	30+
	55"	7	16	NL	12	30+	*9	28	30+	20	30+	30+
	61"	6	14	NL	10	22	*8	20	30+	16	30+	30+
	67"	5	10	NL	8	18	*7	16	30+	12	30+	30+
	73"	5	9	NL	7	14	*6	14	28	10	26	30+
	79"	5	9	NL	7	12	*6	12	22	10	20	30+
85"	5	9	NL	7	12	*6	12	20	10	18	30+	
91"	5	9	NL	7	12	*6	12	18	10	18	30+	
97"+	5	9	NL	7	12	*6	12	18	10	18	28	
36"	56"	9	22	6	16	30+	*12	30+	30+	28	30+	30+
	62"	8	16	4	12	30	*10	26	30+	20	30+	30+
	68"	6	14	4	10	22	*8	20	30+	16	30+	30+
	74"	6	12	4	9	18	*7	16	30+	14	30+	30+
	80"	6	10	4	8	16	*7	14	30	12	28	30+
	86"	6	9	4	8	14	*7	12	26	10	24	30+
92"	6	9	4	8	12	*7	12	22	10	20	30+	
98"	6	9	4	8	12	*7	12	20	10	18	30+	
104"	6	9	4	8	12	*7	12	18	10	18	30+	
110"+	6	9	4	8	12	*7	12	18	10	18	28	
42"	63"	9	22	6	16	30+	*12	30+	30+	26	30+	30+
	69"	8	16	5	14	30	*10	26	30+	20	30+	30+
	81"	6	12	4	10	20	*8	18	30+	14	30+	30+
	87"	6	10	4	9	16	*7	16	30+	12	30	30+
	99"	6	9	4	8	14	*7	12	24	10	22	30+
	105"	6	9	4	8	12	*7	12	20	10	20	30+
123"+	6	9	4	8	12	*7	12	18	10	18	28	
48"	71"	9	20	6	16	30+	*12	30+	30+	24	30+	30+
	77"	8	16	5	14	28	*10	26	30+	20	30+	30+
	83"	7	14	5	12	24	*9	20	30+	16	30+	30+
	89"	6	12	5	10	20	*8	18	30+	14	30+	30+
	101"	6	10	5	9	16	*7	14	28	12	26	30+
	107"	6	10	5	9	14	*7	12	26	10	24	30+
119"	6	10	5	9	12	*7	12	20	10	18	30+	
137"+	6	10	5	9	12	*7	12	18	10	18	28	
54"	78"	9	20	6	16	30+	*12	30	30+	24	30+	30+
	84"	8	16	5	14	28	*10	24	30+	20	30+	30+
	96"	7	14	5	10	20	*8	18	30+	16	30+	30+
	102"	7	12	5	10	18	*8	16	30+	14	30	30+
	108"	7	10	5	9	16	*8	14	30	12	28	30+
	114"	7	10	5	9	14	*8	14	26	12	24	30+
126"	7	10	5	9	12	*8	12	22	10	20	30+	
132"	7	10	5	9	12	*8	12	20	10	18	30+	
150"+	7	10	5	9	12	*8	12	18	10	18	28	
MIN. COVER		3	2	3	2	2	3	2	1	2	1	1

- NOTES: 1. Numbers preceded by an asterisk (*) indicate minimum cover may be reduced 1 ft.
2. Numbers in tables indicate maximum allowable cover on pipe in feet. Standard highway loading is included.
3. NL = No load allowed on pipe in this category.

	REINFORCED CONCRETE PIPE CHART		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF/ <i>LB</i>	PLATE 529
Department of Public Works		APPR. <i>Granville M. Bowman</i>	SHEET 1 OF 2

PIPE I.D.	MAX. TRENCH WIDTH	RC STORM DRAIN ASTM C-76 & BEDDING FACTOR										
		CL. II = 1000D		CL. III = 1350D			CL. IV = 2000D			CL. V = 3000D		
		1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0	1.5	1.9	3.0
60"	85"	9	20	6	16	30+	*12	28	*30+	22	*30+	*30+
	91"	8	16	5	14	26	*10	24	*30+	20	*30+	*30+
	97"	8	14	5	12	24	*9	22	*30+	18	*30+	*30+
	103"	7	14	5	10	20	*9	18	*30+	16	*30+	*30+
	109"	7	12	5	10	18	*8	16	*30+	14	*30	*30+
	121"	7	10	5	9	16	*8	14	*28	12	*26	*30+
	127"	7	10	5	9	14	*8	14	*24	12	*22	*30+
	133"	7	10	5	9	14	*8	12	*22	12	*22	*30+
	145"	7	10	5	9	12	*8	12	*20	12	*18	*30+
163"+	7	10	5	9	12	*8	12	*18	12	*18	*28	
66"	93"	9	18	6	14	30	*12	28	*30+	22	*30+	*30+
	99"	8	16	5	14	26	*10	24	*30+	20	*30+	*30+
	105"	8	14	5	12	24	*10	22	*30+	18	*30+	*30+
	111"	7	14	5	12	20	*9	18	*30+	16	*30+	*30+
	123"	7	12	5	9	18	*8	16	*30	14	*28	*30+
	129"	7	10	5	9	16	*8	14	*28	12	*26	*30+
	135"	7	10	5	9	14	*8	14	*26	12	*24	*30+
	147"	7	10	5	9	14	*8	12	*22	12	*20	*30+
	159"	7	10	5	9	14	*8	12	*20	12	*18	*30+
177"+	7	10	5	9	14	*8	12	*18	12	*18	*28	
72"	100"	9	18	6	14	30	*12	26	*30+	22	*30+	*30+
	106"	9	16	5	14	26	*10	24	*30+	18	*30+	*30+
	112"	8	16	5	12	24	*10	22	*30+	18	*30+	*30+
	118"	7	14	5	12	20	*9	20	*30+	16	*30+	*30+
	124"	7	12	5	10	20	*8	18	*30+	14	*30	*30+
	136"	7	12	5	10	16	*8	16	*28	12	*26	*30+
	148"	7	10	5	10	14	*8	14	*24	12	*22	*30+
	160"	7	10	5	10	14	*8	14	*22	12	*20	*30+
	178"	7	10	5	10	14	*8	14	*18	12	*18	*30
190"	7	10	5	10	14	*8	14	*18	12	*18	*28	
78"	107"	9	18	6	14	*28	*12	26	*30+	NA	NA	NA
	113"	9	16	6	14	*26	*10	24	*30+	NA	NA	NA
	125"	7	14	5	12	*22	*9	20	*30+	NA	NA	NA
	131"	7	14	5	10	*20	*9	18	*30+	NA	NA	NA
	137"	7	12	5	10	*18	*8	16	*30	NA	NA	NA
	143"	7	12	5	10	*16	*8	16	*28	NA	NA	NA
	155"	7	12	5	10	*14	*8	14	*26	NA	NA	NA
	161"	7	12	5	10	*14	*8	14	*24	NA	NA	NA
	173"	7	12	5	10	*14	*8	14	*20	NA	NA	NA
185"	7	12	5	10	*14	*8	14	*18	NA	NA	NA	
84"	114"	9	18	6	14	*28	*12	*26	*30+	NA	NA	NA
	120"	9	16	6	14	*26	*10	*22	*30+	NA	NA	NA
	126"	8	16	5	12	*22	*10	*20	*30+	NA	NA	NA
	138"	7	14	5	10	*20	*9	*18	*30+	NA	NA	NA
	144"	7	12	5	10	*18	*9	*16	*30	NA	NA	NA
	156"	7	12	5	10	*16	*9	*14	*28	NA	NA	NA
	162"	7	12	5	10	*16	*9	*14	*26	NA	NA	NA
	168"	7	12	5	10	*14	*9	*14	*24	NA	NA	NA
	180"	7	12	5	10	*14	*9	*14	*22	NA	NA	NA
186"+	7	12	5	10	*14	*9	*14	*20	NA	NA	NA	
90"	122"	9	18	6	14	*28	NA	NA	NA	NA	NA	NA
	128"	9	16	6	14	*24	NA	NA	NA	NA	NA	NA
	146"	7	14	5	12	*20	NA	NA	NA	NA	NA	NA
	158"	7	12	5	10	18	NA	NA	NA	NA	NA	NA
	176"	7	12	5	10	14	NA	NA	NA	NA	NA	NA
MIN. COVER		3	2	3	2	2	3	2	1	2	1	1

- NOTES: 1. Numbers preceded by an asterisk (*) indicate minium cover may be reduced 1 ft.
2. Numbers in tables indicate maximum allowable cover on pipe in feet. Standard highway loading is included.
3. NA = Pipe size not available in this class.

	REINFORCED CONCRETE PIPE CHART		STANDARD PLAN 2002
	DRAWN: STAFF	CKD.: STAFF <i>LB</i>	PLATE 529
Department of Public Works		APPR. <i>Granville M. Bowman</i> Granville M. Bowman	SHEET 2 OF 2

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE