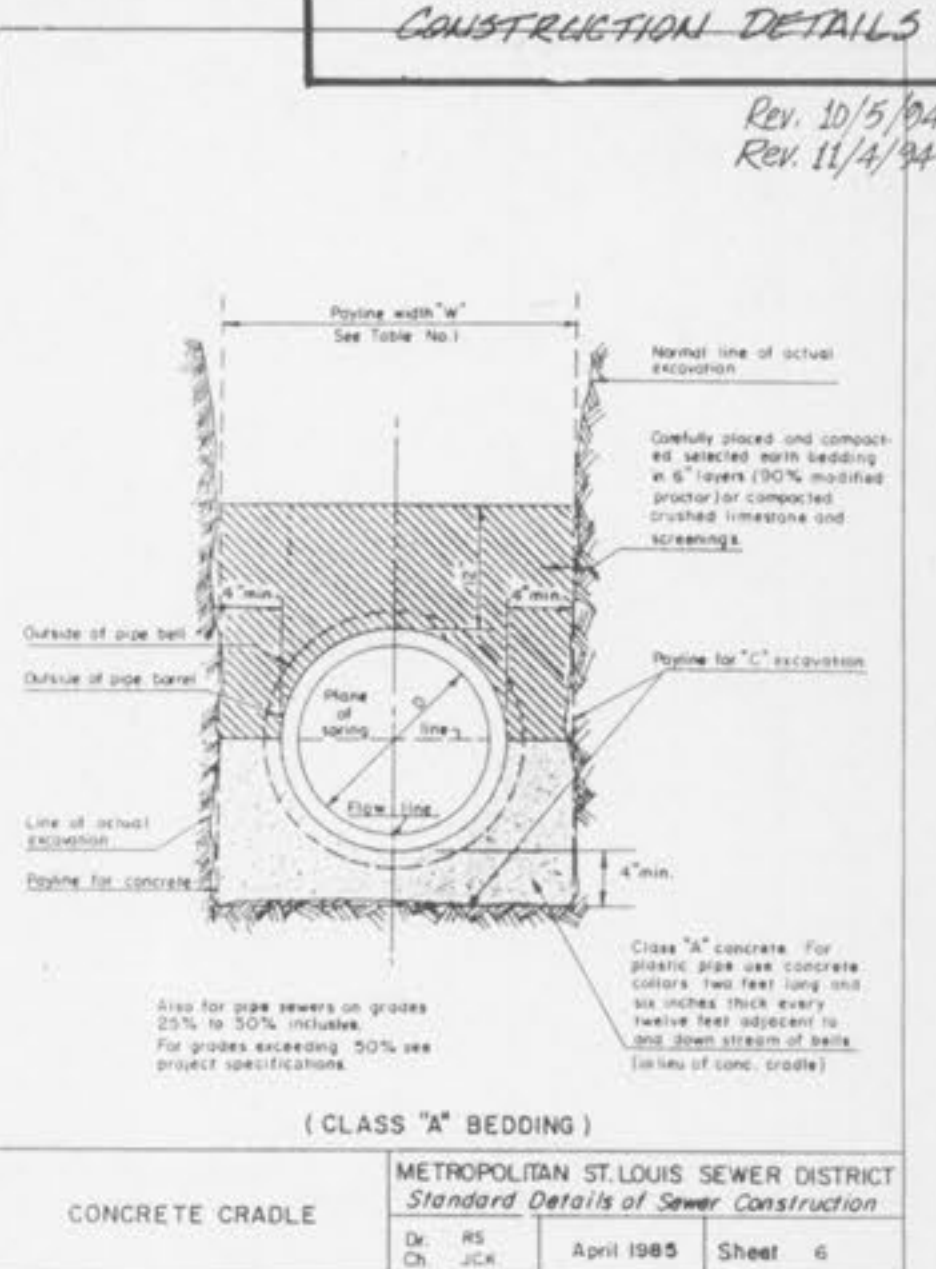
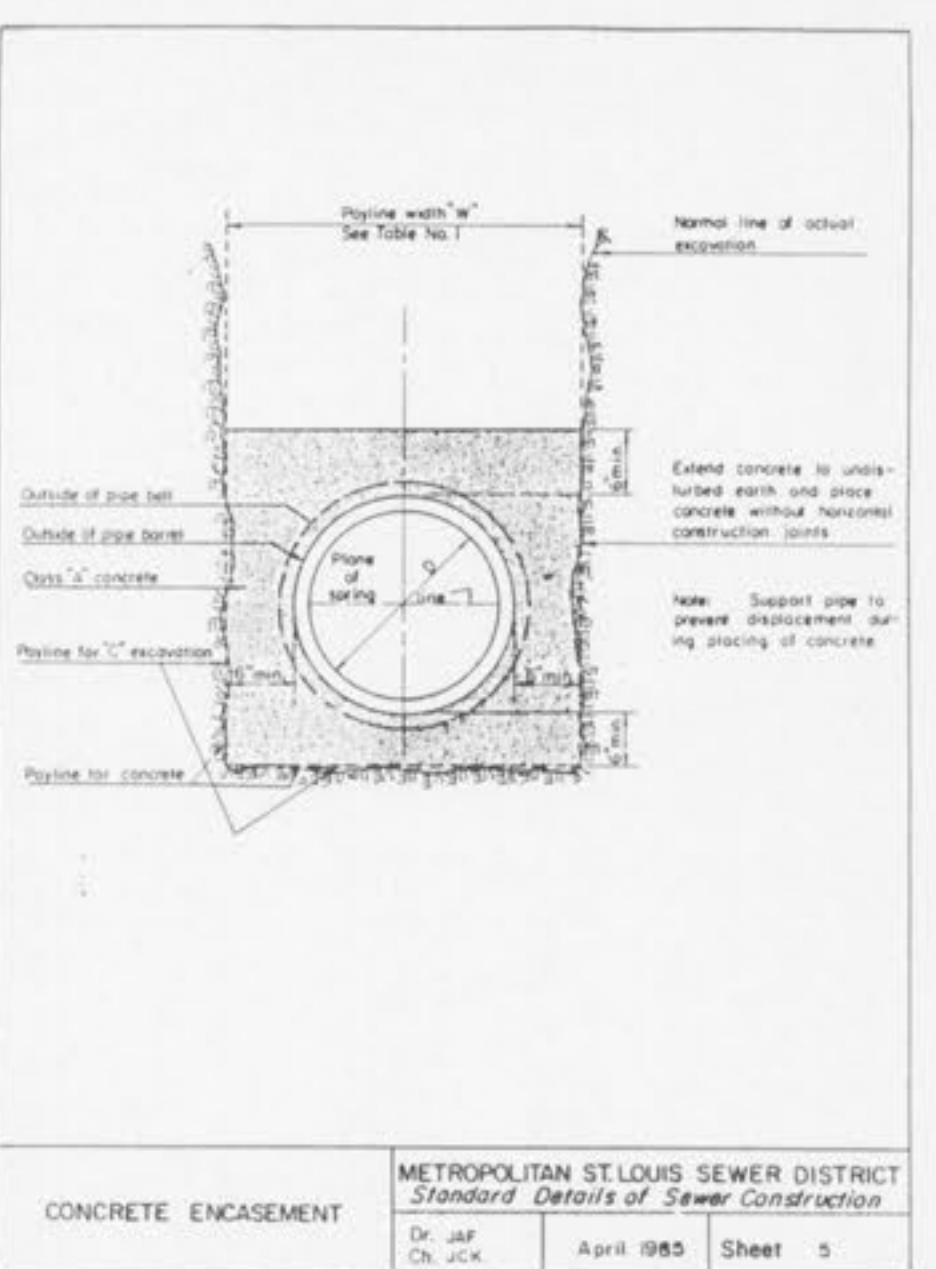
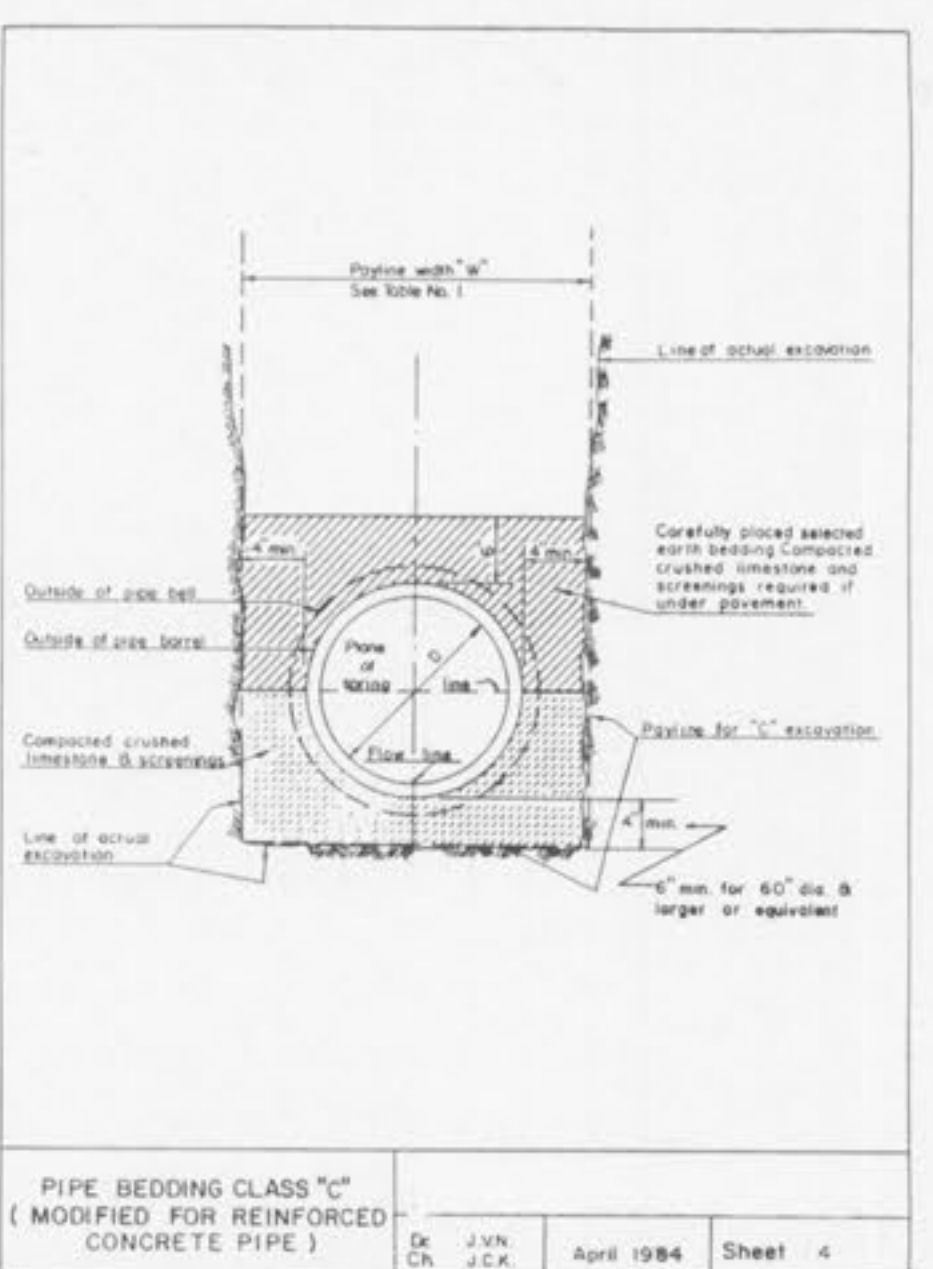
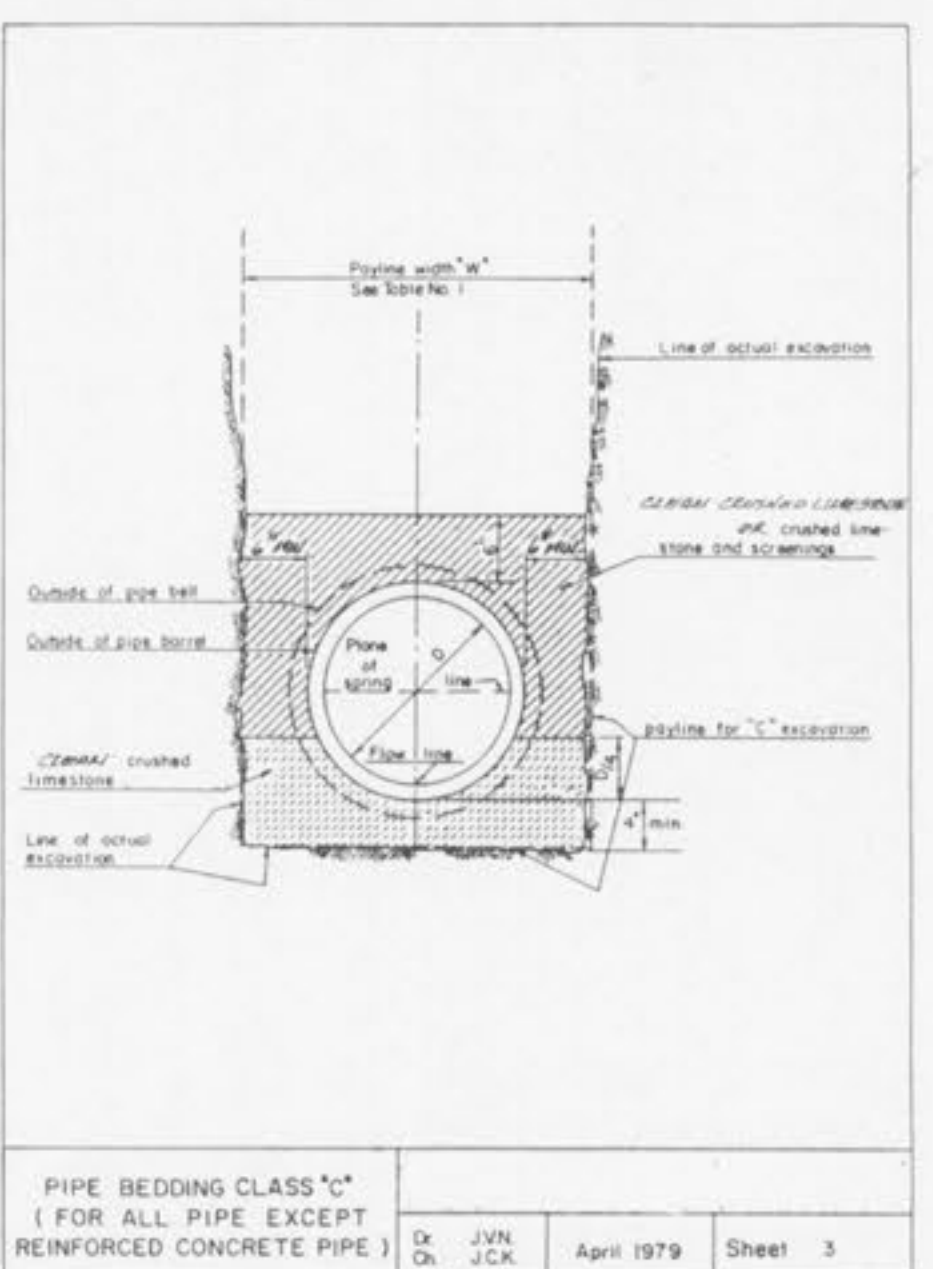
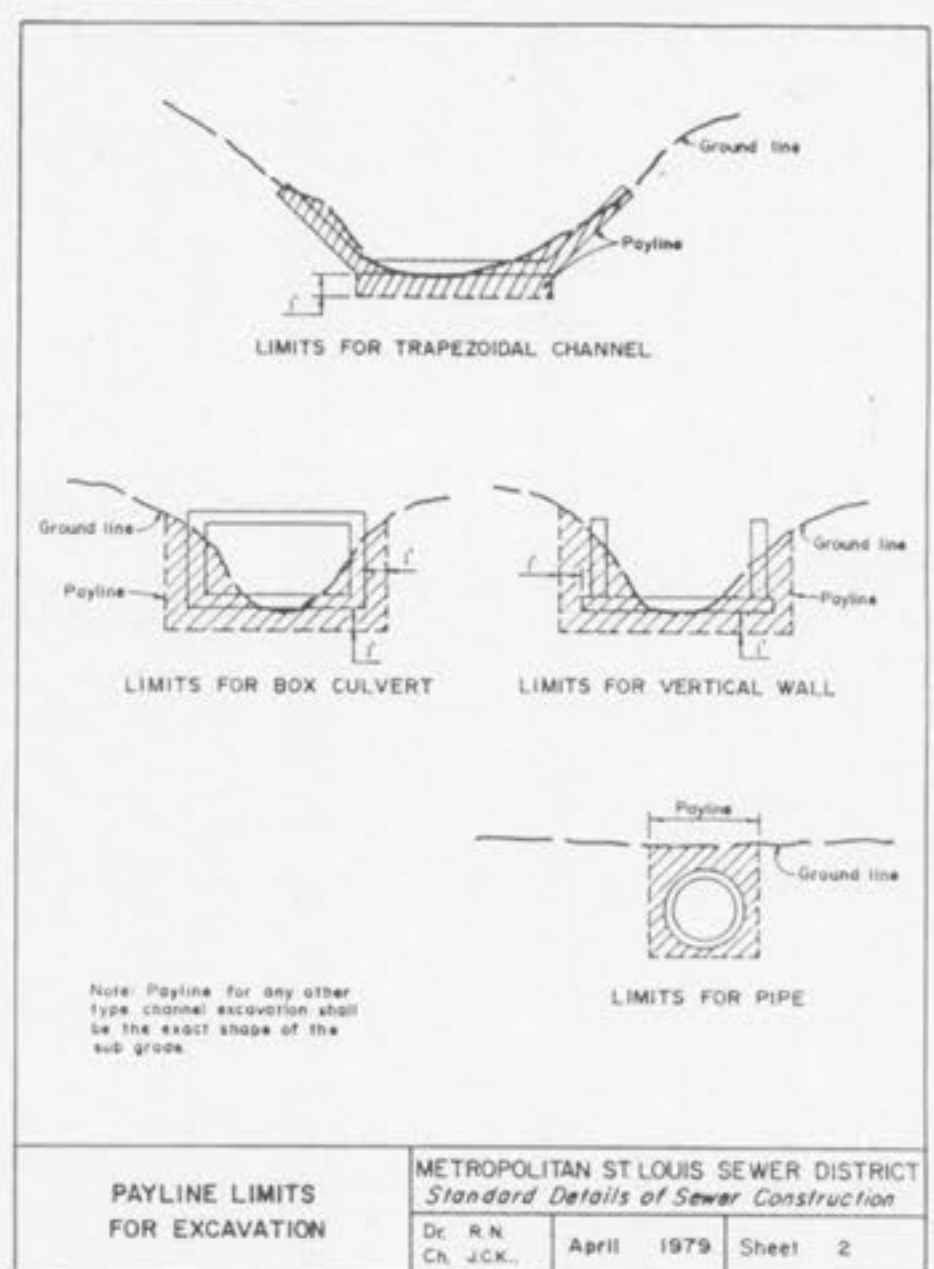


Rev. 10/5/94
Rev. 11/4/94

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
Inside Diameter of Pipe (Inches)	"w" Payline Width of Trench (Inches)	"w" Payline Width of Concrete Encasement (Inches)	Pay-volume (cu ft per ft of Pipe)	Inside Dimensions of Pipe (Inches)	"w" Payline Width of Trench (Feet)	"w" Payline Width of Concrete Encasement (Feet)	Pay-volume (cu ft per ft of Pipe)
4	28	233	3.20				
6	28	233	3.46				
8	28	233	3.70				
10	28	233	3.86				
12	28	233	3.98				
15	32	267	4.89				
18	32	292	5.65	14 x 23	41	3.42	5.94
21	39	325	6.61				
24	42	350	7.39	19 x 30	49	4.08	7.68
27	45	375	8.18	22 x 34	53	4.42	8.61
30	49	408	9.30	24 x 38	58	4.83	9.70
33	53	442	10.33	27 x 42	62	5.17	10.71
36	56	467	11.43	29 x 45	66	5.50	11.72
DISCONTINUED							
42	63	525	13.38	34 x 53	75	6.25	14.05
48	70	583	15.67	36 x 60	83	6.92	16.18
54	77	642	18.15	43 x 68	92	7.67	18.81
60	84	700	20.73	48 x 76	101	8.42	21.59
66	91	758	23.45	53 x 83	109	9.08	24.35
72	98	817	26.37	58 x 91	118	9.83	27.45
78	105	875	29.39	63 x 98	126	10.50	30.50
84	112	933	32.07	68 x 106	135	11.25	33.31
90	119	992	35.90	72 x 113	143	11.92	36.99
96	126	1050	39.37	77 x 121	152	12.67	40.69
102	133	1108	42.99	82 x 128	160	13.33	44.45
108	140	1167	46.75	87 x 136	168	14.00	47.79
114	147	1225	50.66	92 x 143	176	14.67	51.70
120	154	1283	54.72	97 x 151	185	15.42	56.01
126	161	1342	58.92				
132	168	1400	63.27	106 x 166	202	16.83	64.48
144	182	1517	72.40	116 x 180	218	18.17	73.59

TABLE NO. 1
PAYLINE WIDTHS OF TRENCH AND PAY QUANTITIES OF CONCRETE
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. R.N. Ch. J.C.K. April 1979 Sheet 1



Section of Manhole	Dimension
Top	Upper 2'-2 1/2" Dia.
Transition	Lower 3'-6" Dia.
Bottom Section	8" thru 24" Dia. Pipe 3'-6" Dia.
Bottom Section	27" thru 36" Dia. Pipe 3'-6" Square

TABLE NO. 2
STANDARD MANHOLE DIMENSIONS
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. J.V.N. Ch. J.C.K. April 1973 Sheet 7

