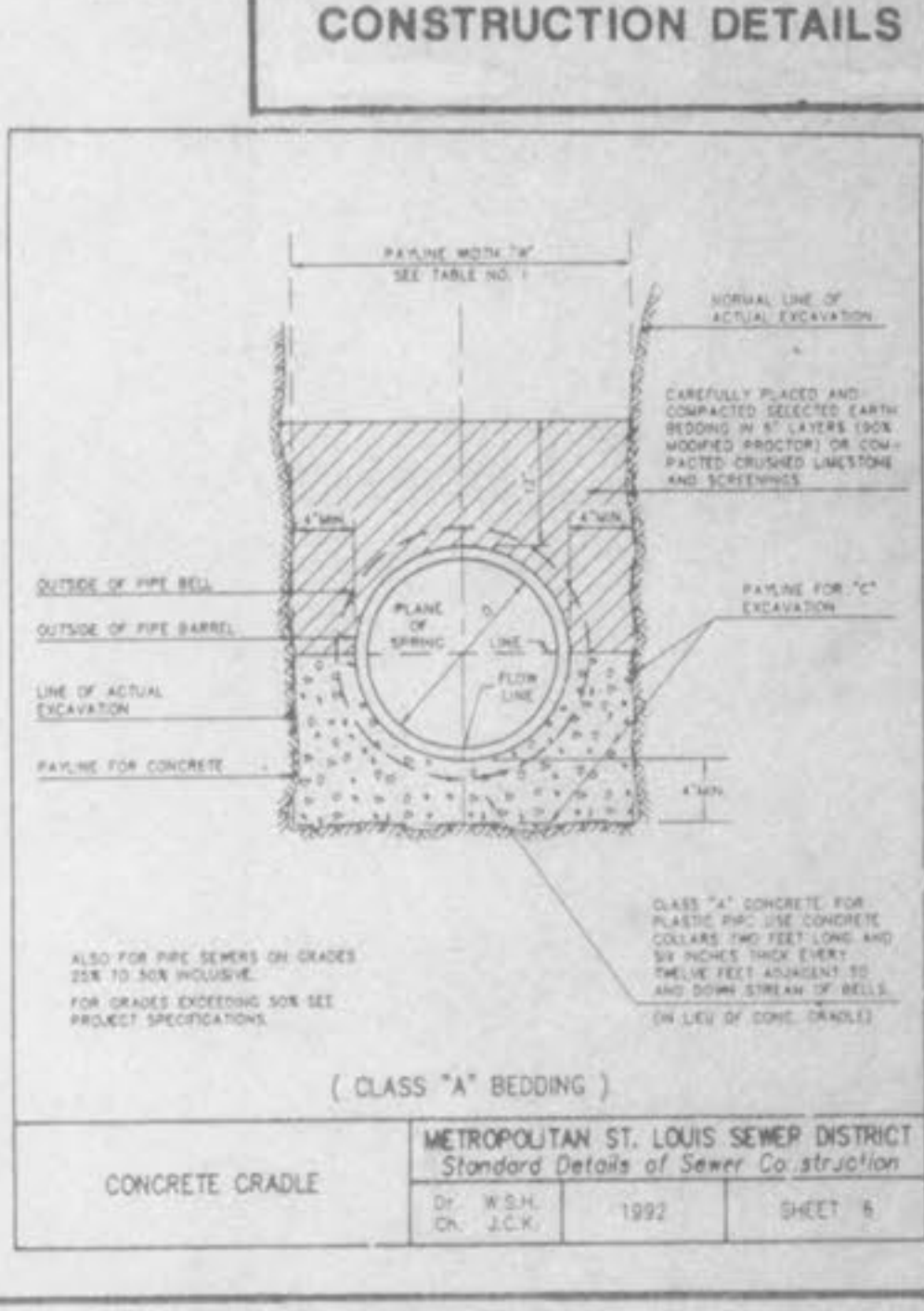
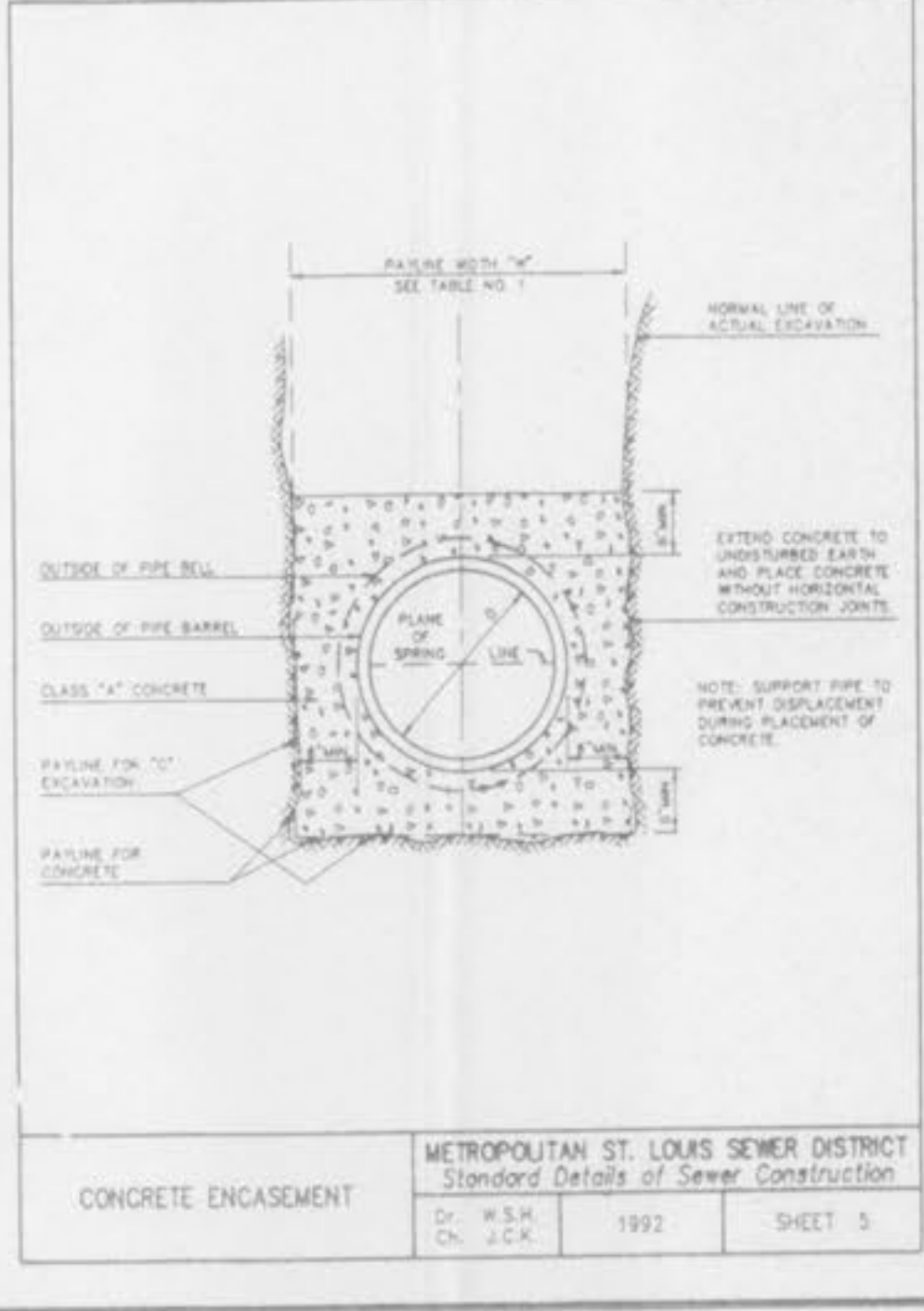
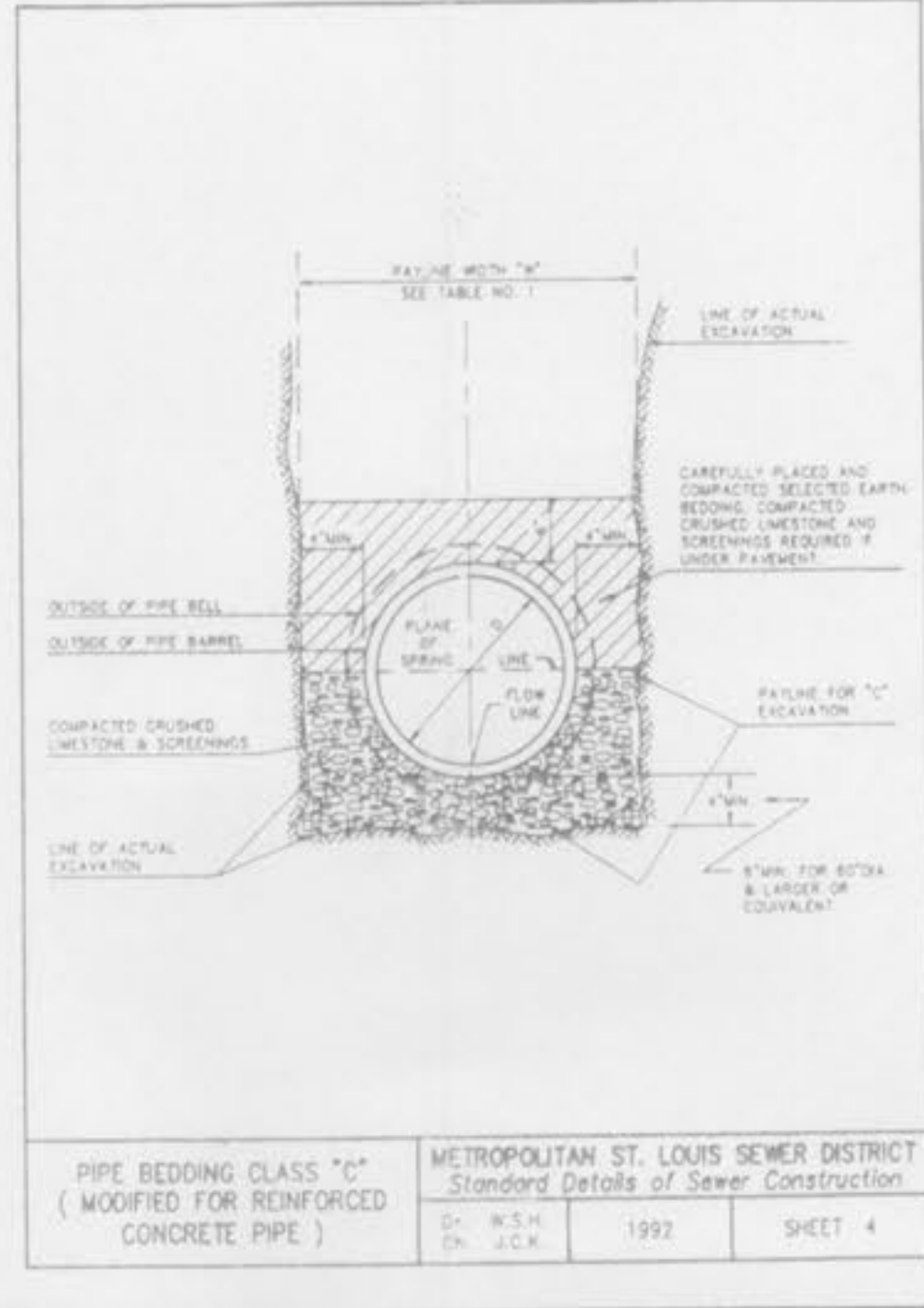
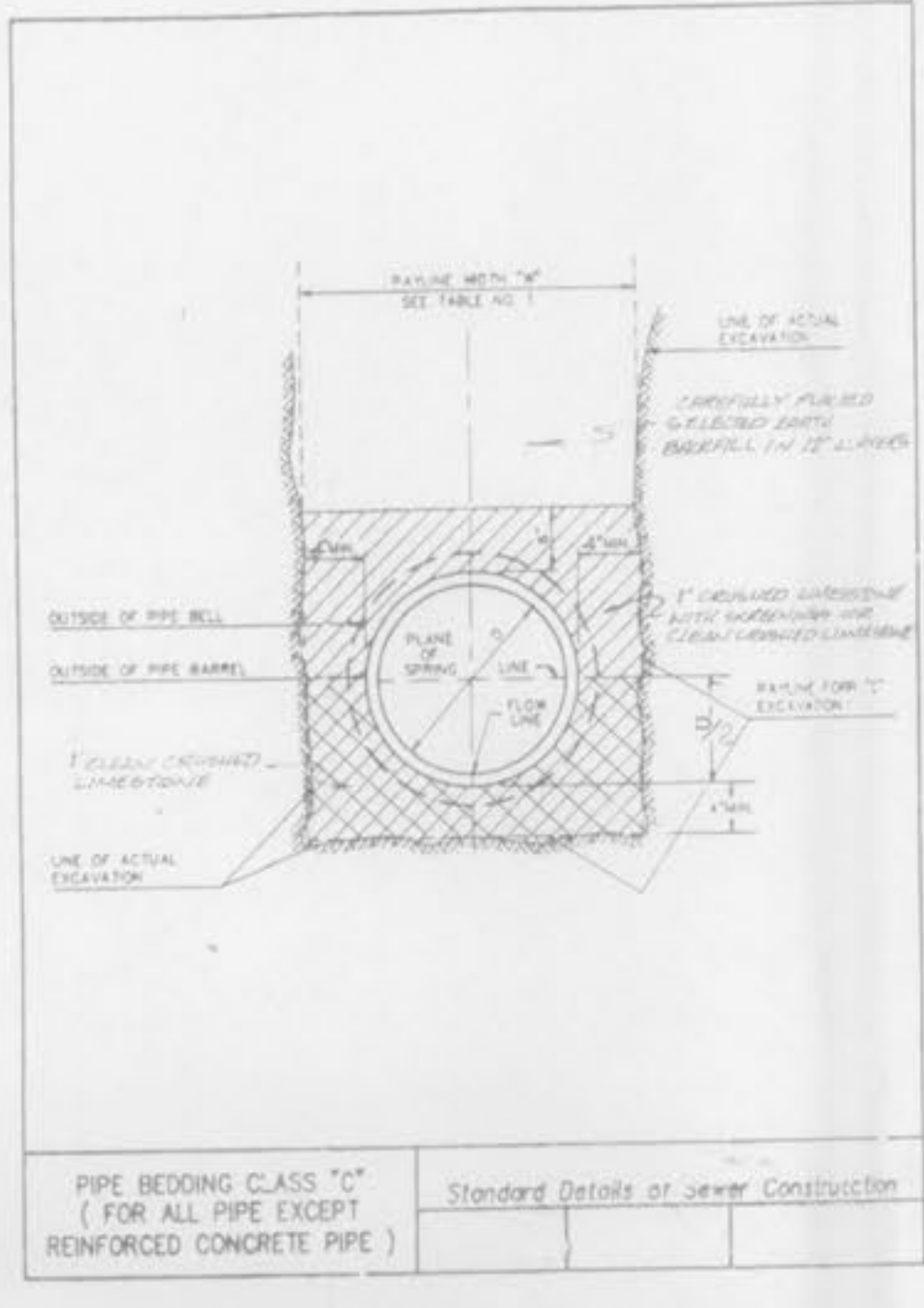
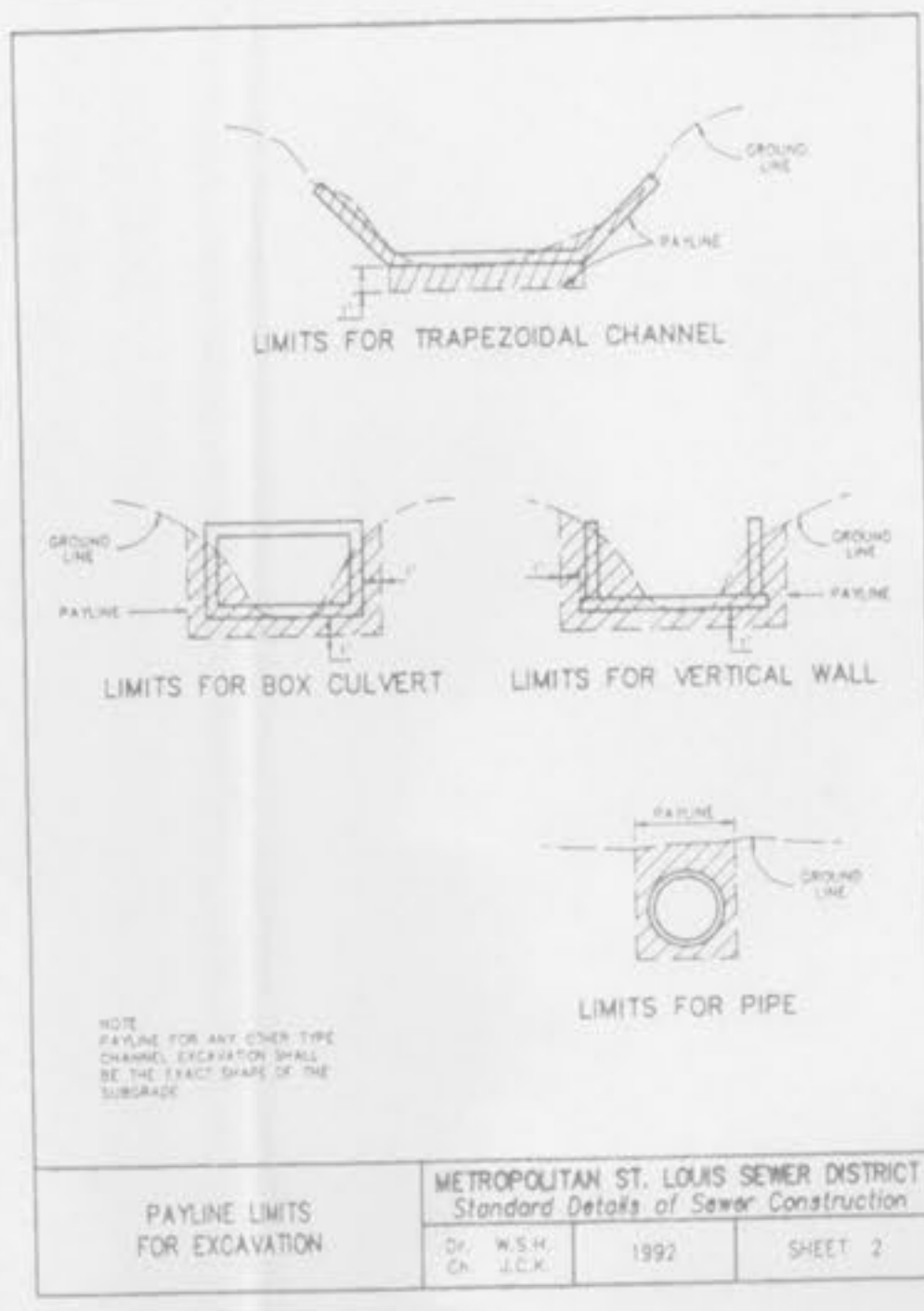


ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"H" PAYLINE WIDTH OF TRENCH (INCHES)	PAY-QUANTITIES (CU. FT. PER FT.)	INSIDE DIMENSIONS OF PIPE (INCHES)	"W" PAYLINE WIDTH OF TRENCH (INCHES)	"H" PAYLINE WIDTH OF TRENCH (INCHES)	PAY-QUANTITIES (CU. FT. PER FT.)
4	30	2.50	3.24				
6	30	2.50	3.54				
8	30	2.50	3.87				
10	30	2.50	4.05				
12	30	2.50	4.25				
15	38	3.00	5.00				
18	38	3.00	5.71	14 x 22	41	3.42	5.84
21	38	3.00	6.41				
24	42	3.50	7.26	18 x 30	49	4.08	7.88
27	42	3.50	8.18	22 x 34	53	4.42	8.81
30	48	4.00	9.30	24 x 38	58	4.82	9.70
33	53	4.42	10.52	27 x 42	62	5.17	10.71
36	58	4.87	11.43	28 x 45	66	5.50	11.72
38	58	4.87	11.43	32 x 49	71	5.82	12.74
42	63	5.25	12.88	34 x 52	75	6.15	13.76
48	70	6.00	15.07	38 x 60	83	6.92	16.18
54	77	6.62	16.75	42 x 68	92	7.67	18.81
60	84	7.00	18.72	48 x 78	101	8.42	21.34
66	91	7.58	20.92	53 x 83	108	9.08	24.20
72	99	8.17	23.31	58 x 91	116	9.81	27.45
78	105	8.75	25.29	63 x 98	124	10.50	30.50
84	112	9.33	27.57	68 x 106	132	11.22	33.91
90	118	9.92	29.92	72 x 112	140	11.92	36.99
96	126	10.50	32.27	77 x 121	148	12.67	40.40
102	133	11.08	34.99	82 x 129	156	13.32	44.00
108	140	11.67	37.71	87 x 138	164	14.00	47.78
114	147	12.25	40.48	92 x 146	172	14.67	51.70
120	154	12.82	43.72	97 x 155	180	15.42	56.01
126	161	13.42	46.92	102 x 163	188	16.15	60.49
132	168	14.00	50.21	108 x 180	202	16.93	64.48
144	182	15.17	57.45	118 x 180	218	18.11	73.59

TABLE 1
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE

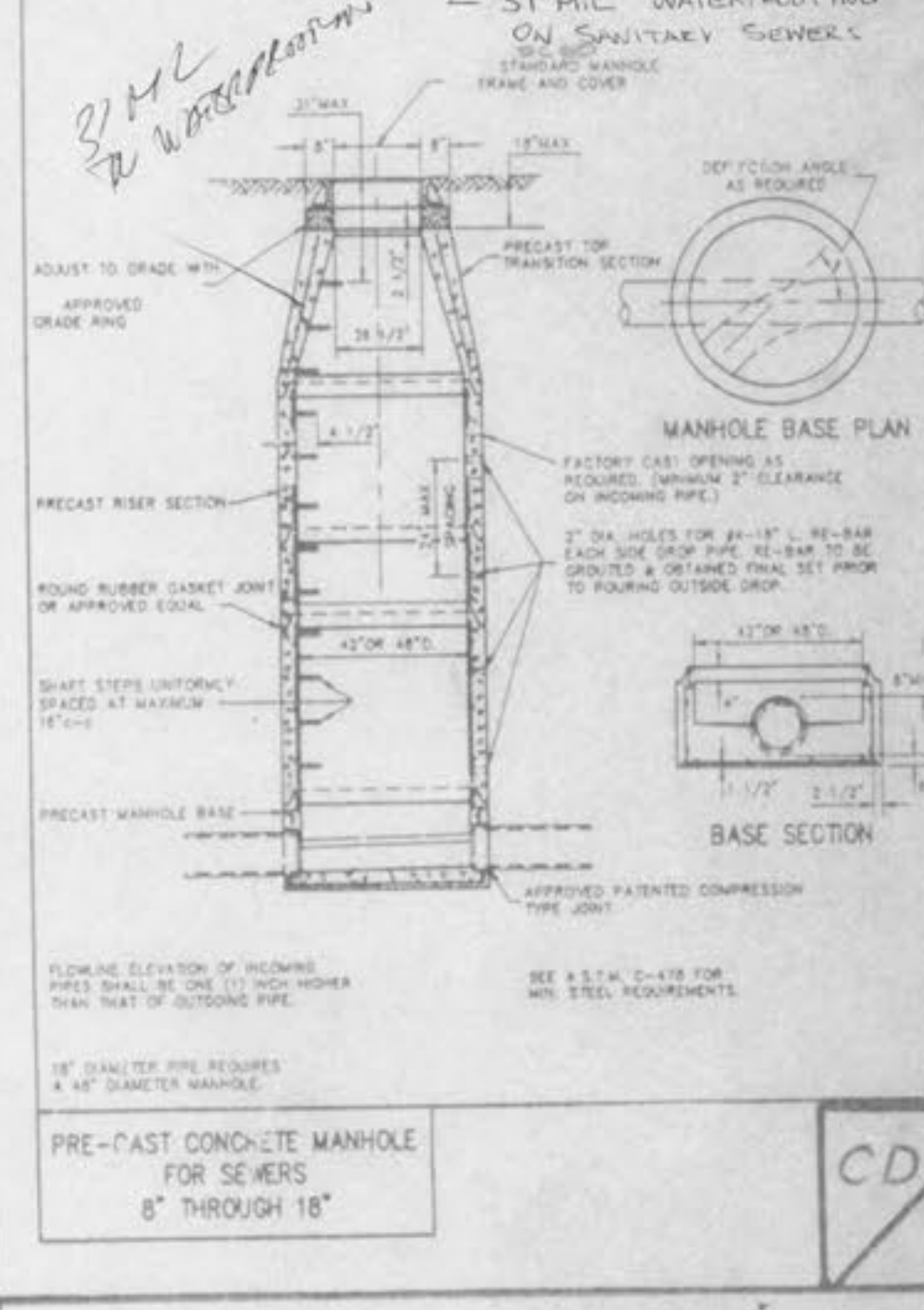
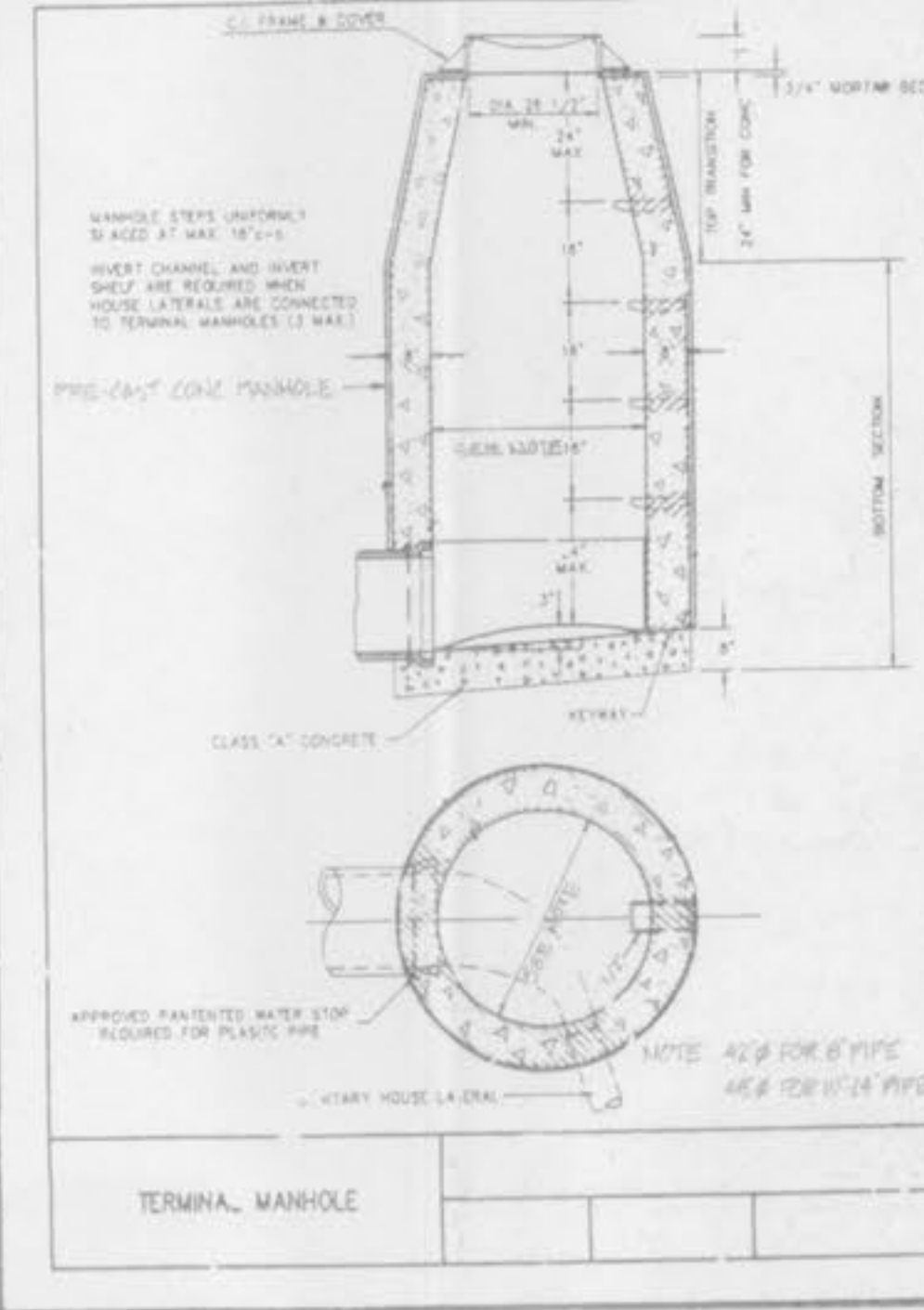
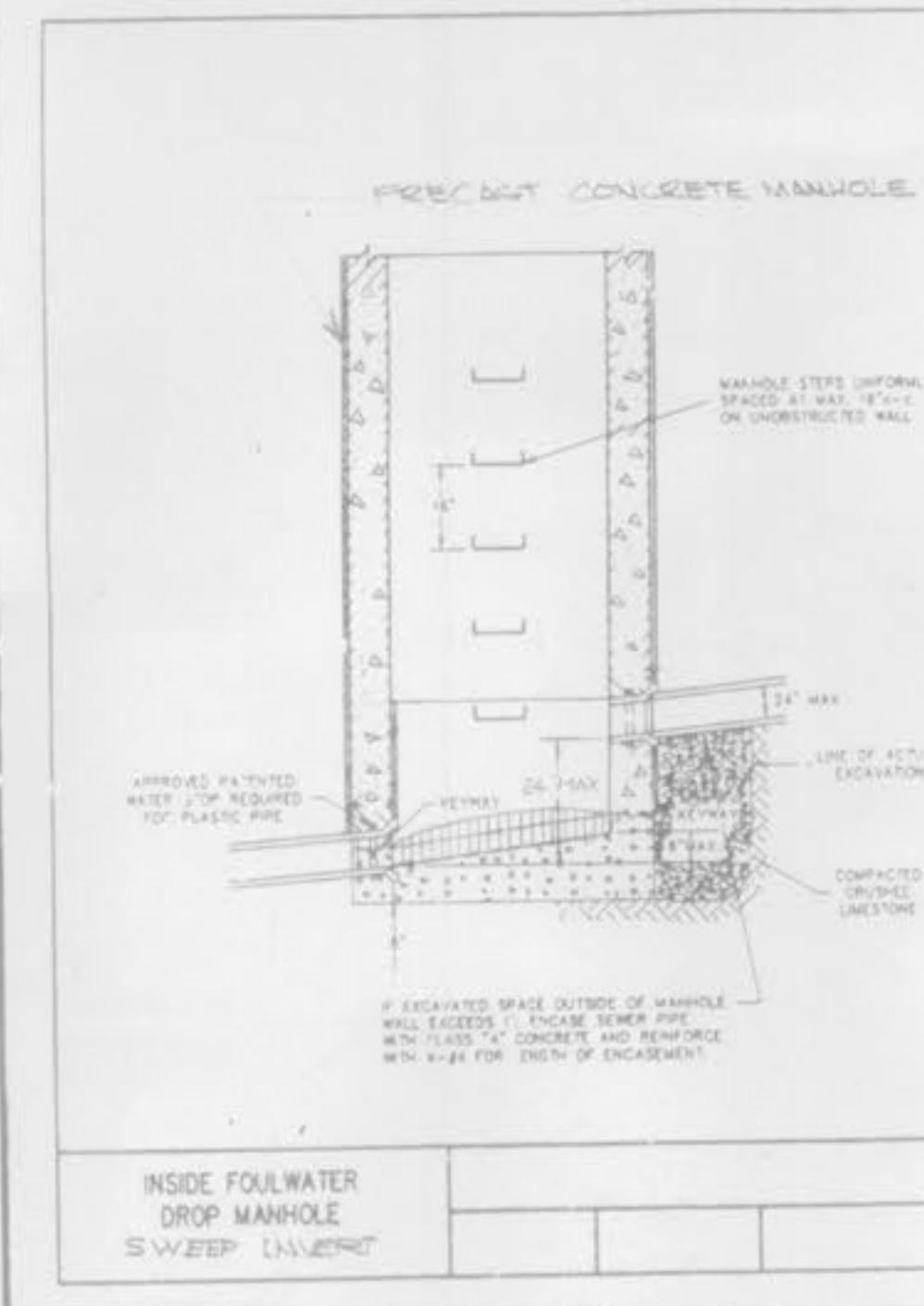
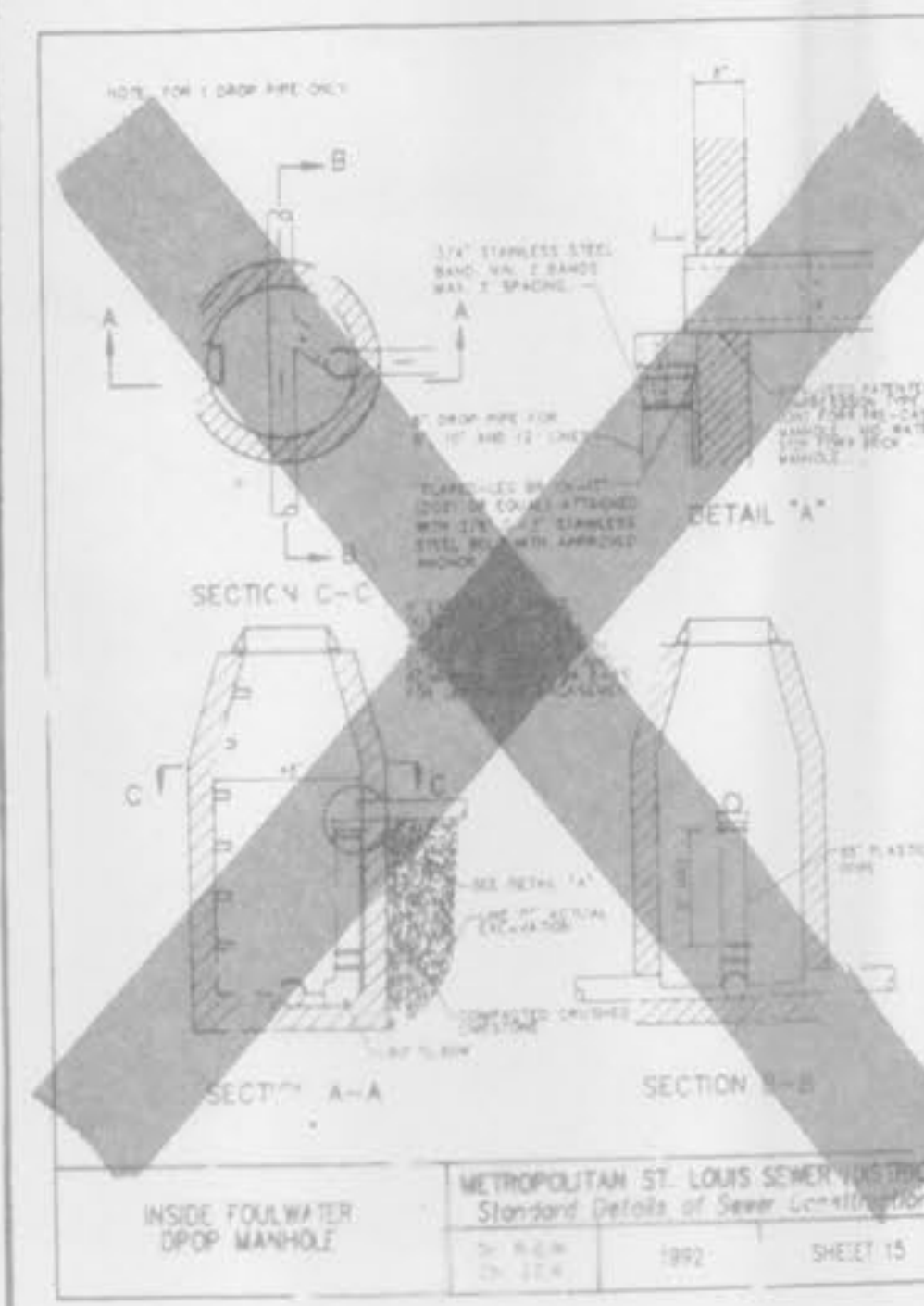
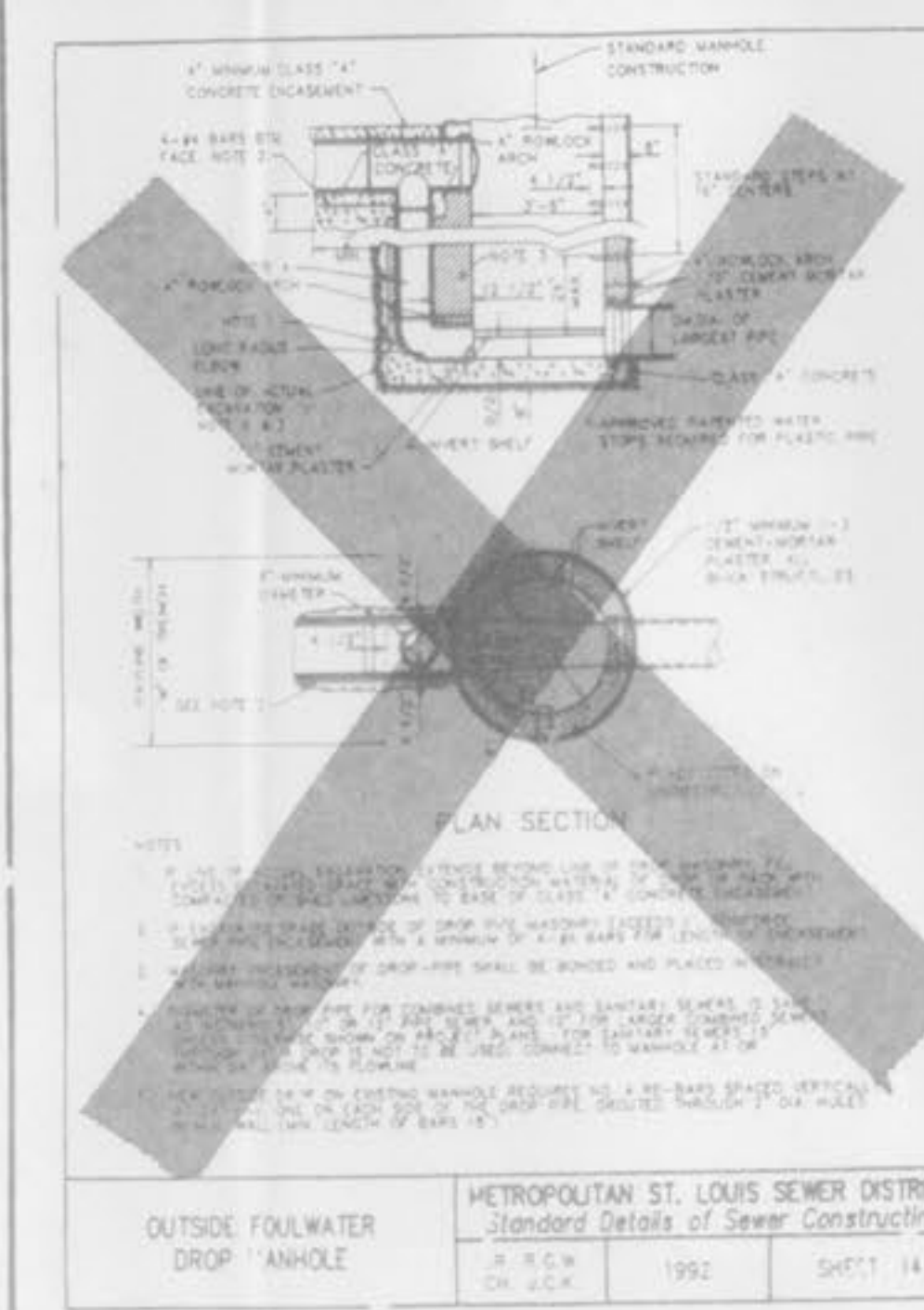
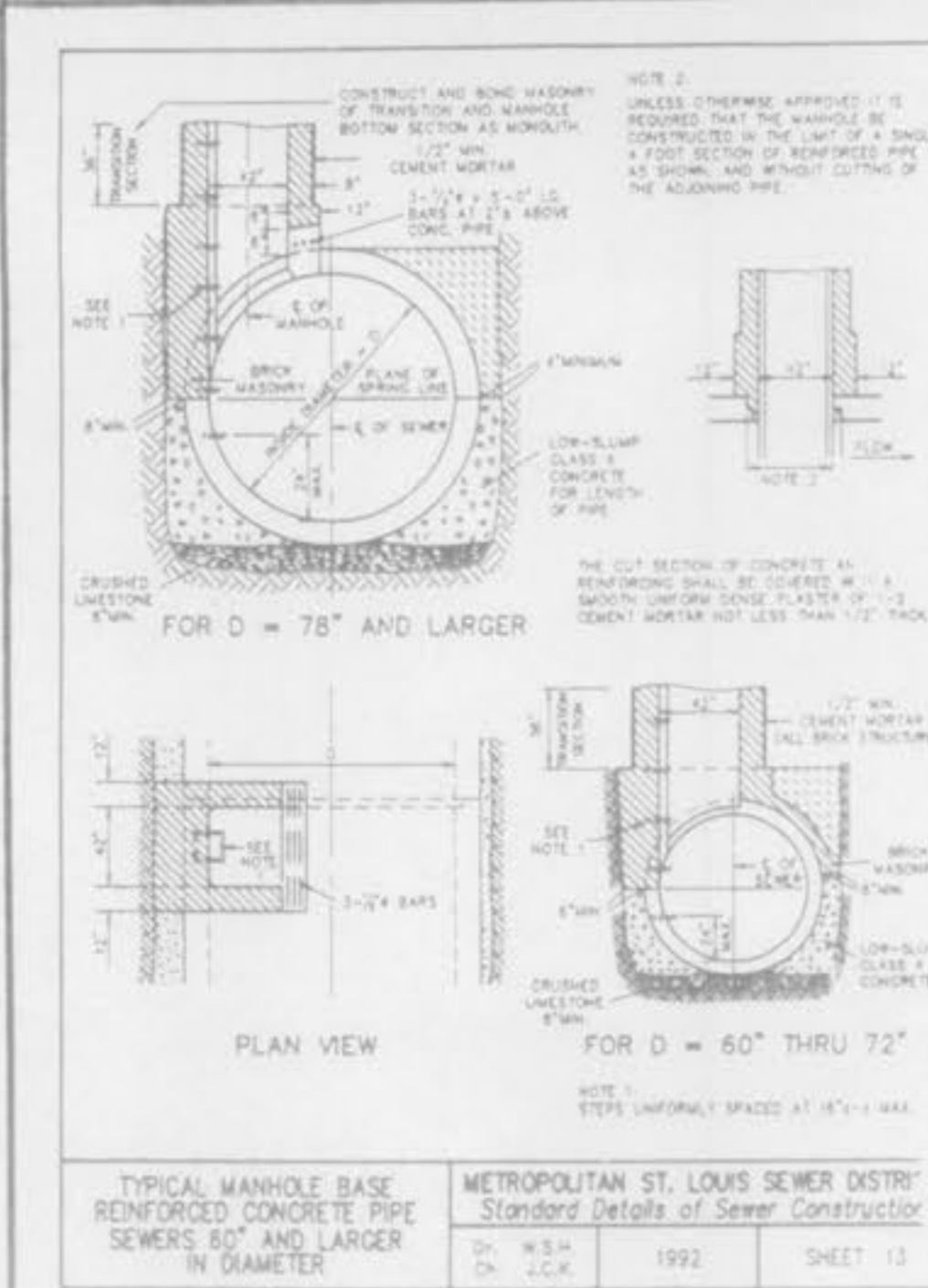
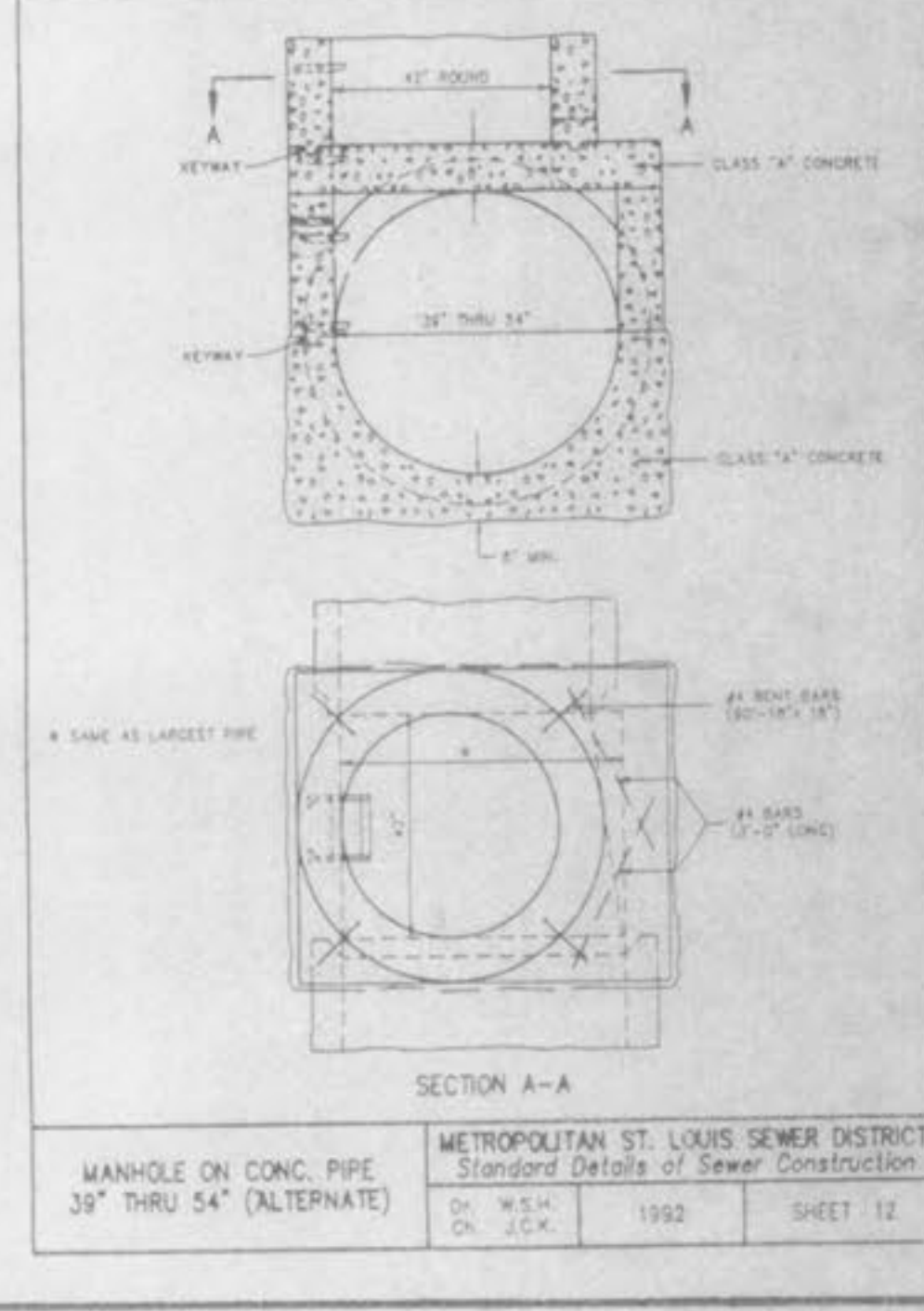
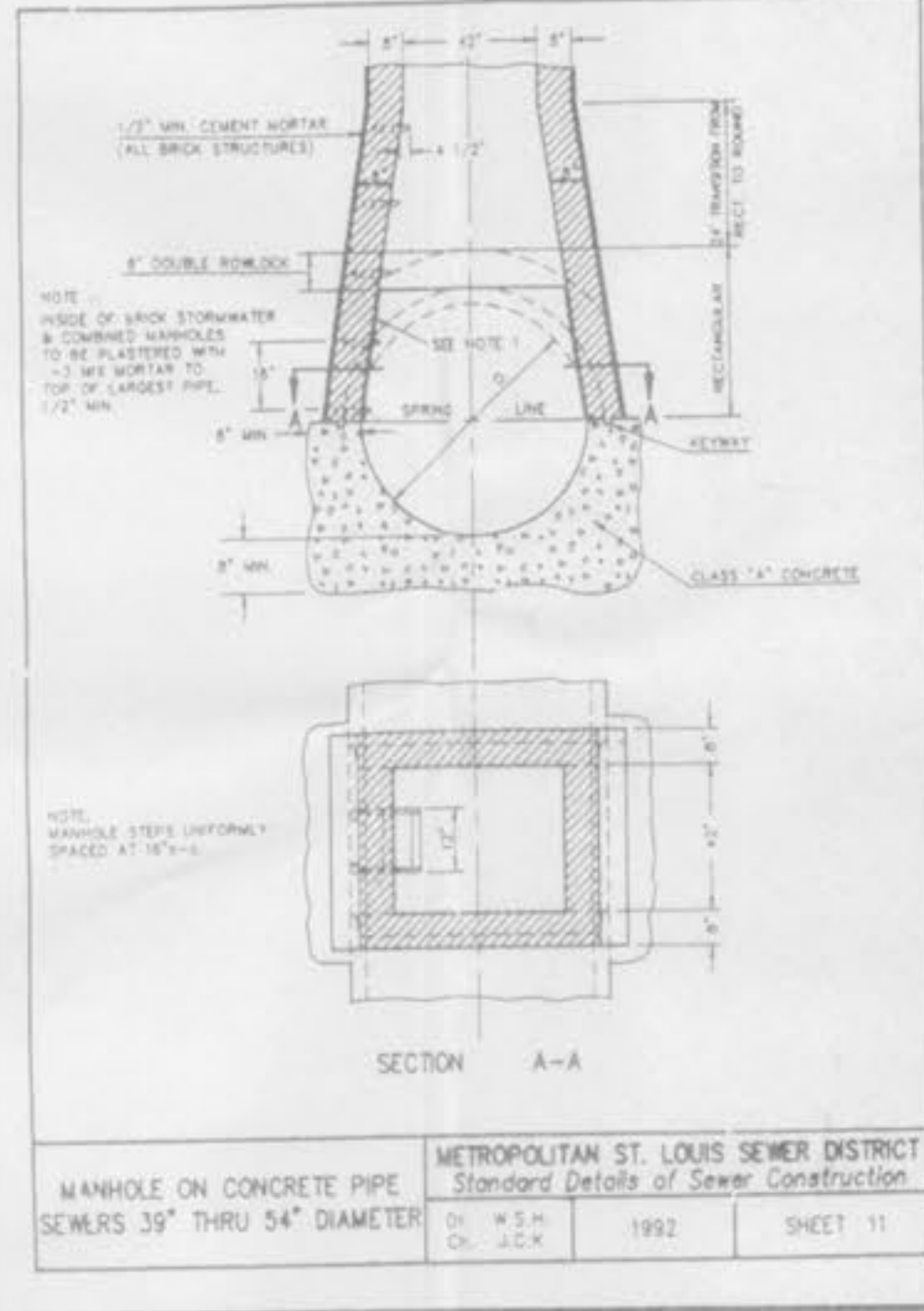
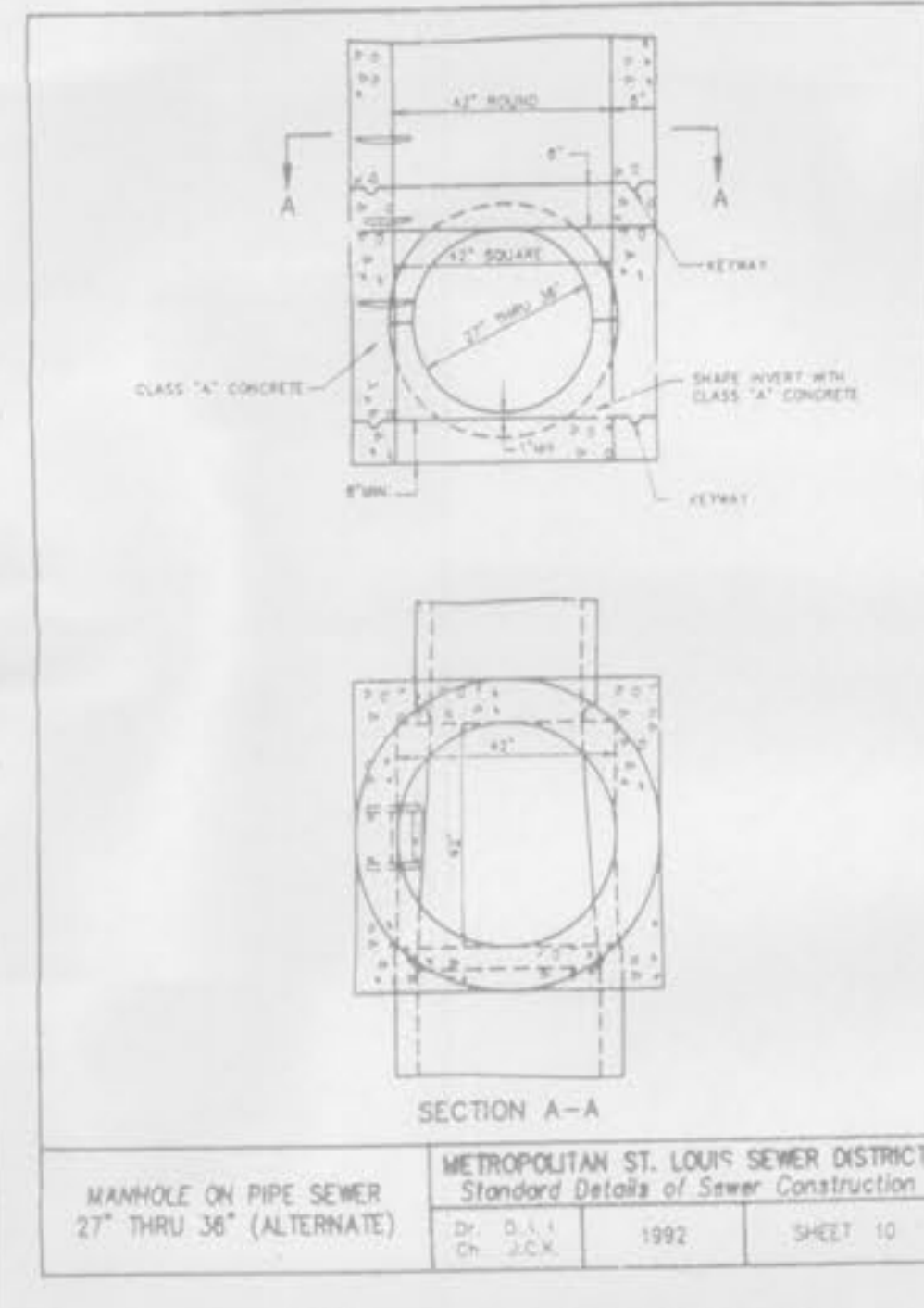
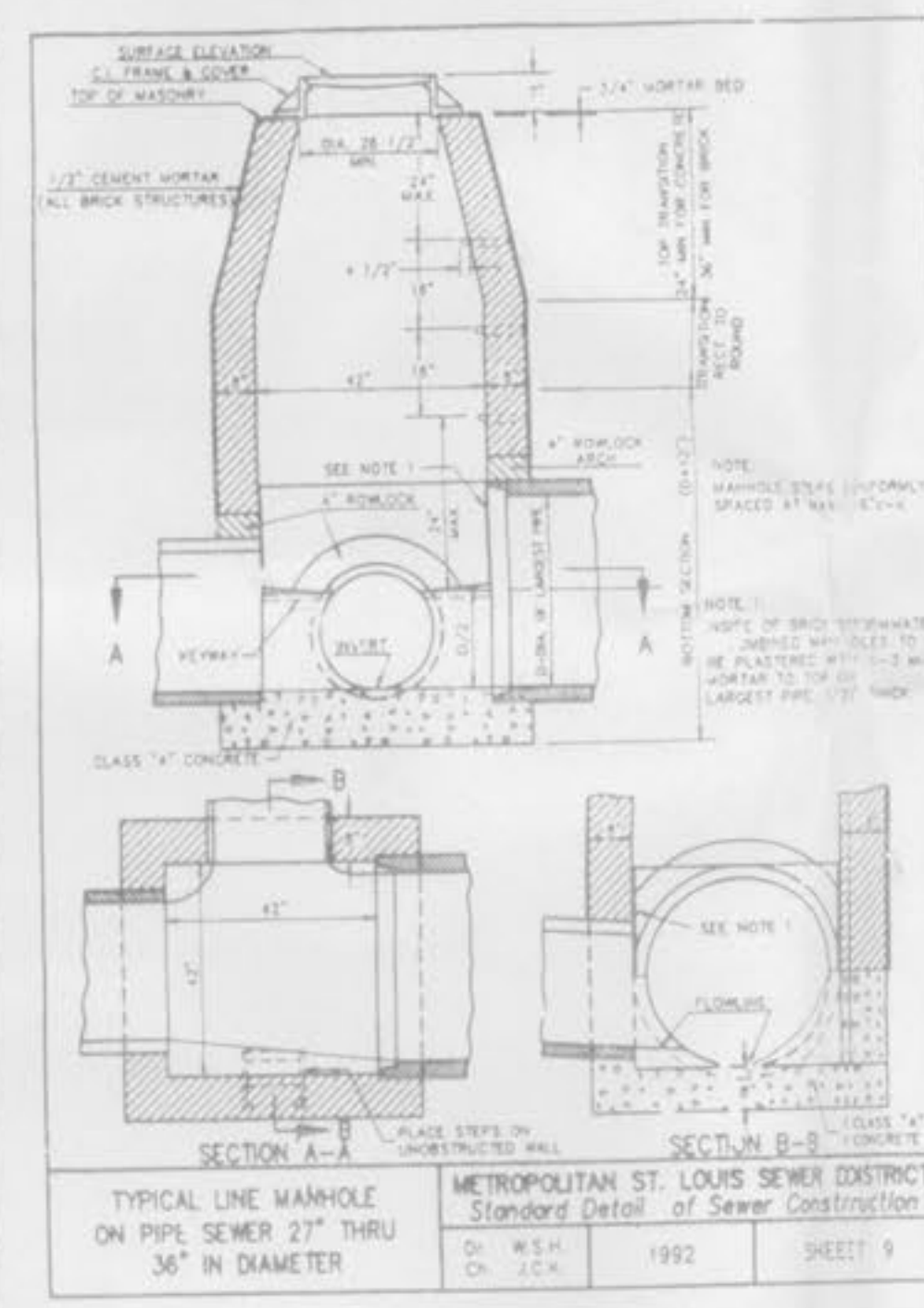
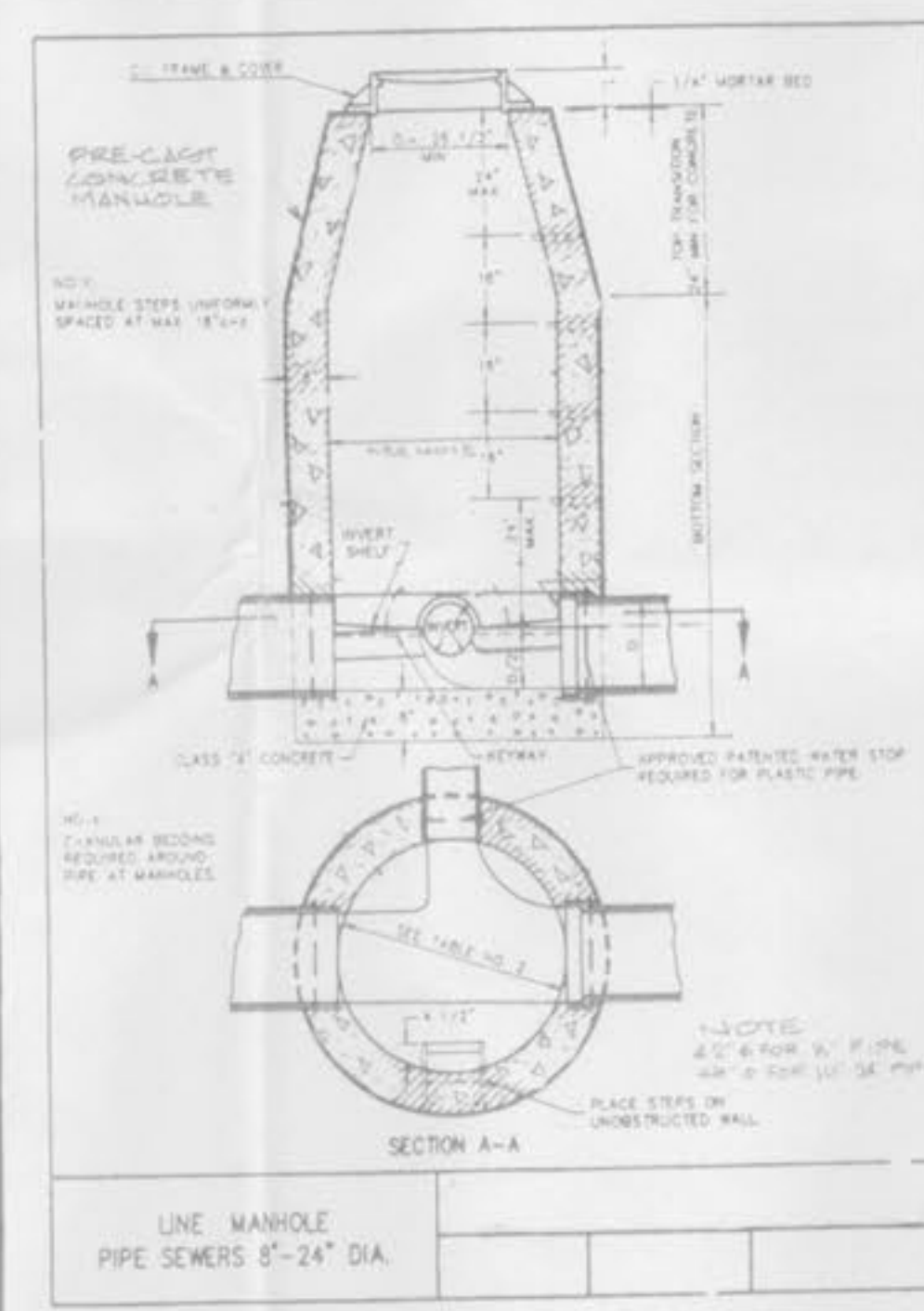
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. B.C.B. Ch. J.C.K. 1992 SHEET 1



SECTION OF MANHOLE		DIMENSION
TOP TRANSITION	UPPER	26 1/2" DIA.
	LOWER	42" DIA.
BOTTOM SECTION	8" THRU 24" DIA. PIPE	42" DIA.
	27" THRU 36" DIA. PIPE	42" SQUARE

TABLE NO. 2
STANDARD MANHOLE DIMENSIONS

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. R.D.W. Ch. J.C.K. 1992 SHEET 7



CONSTRUCTION DETAILS

CD/1