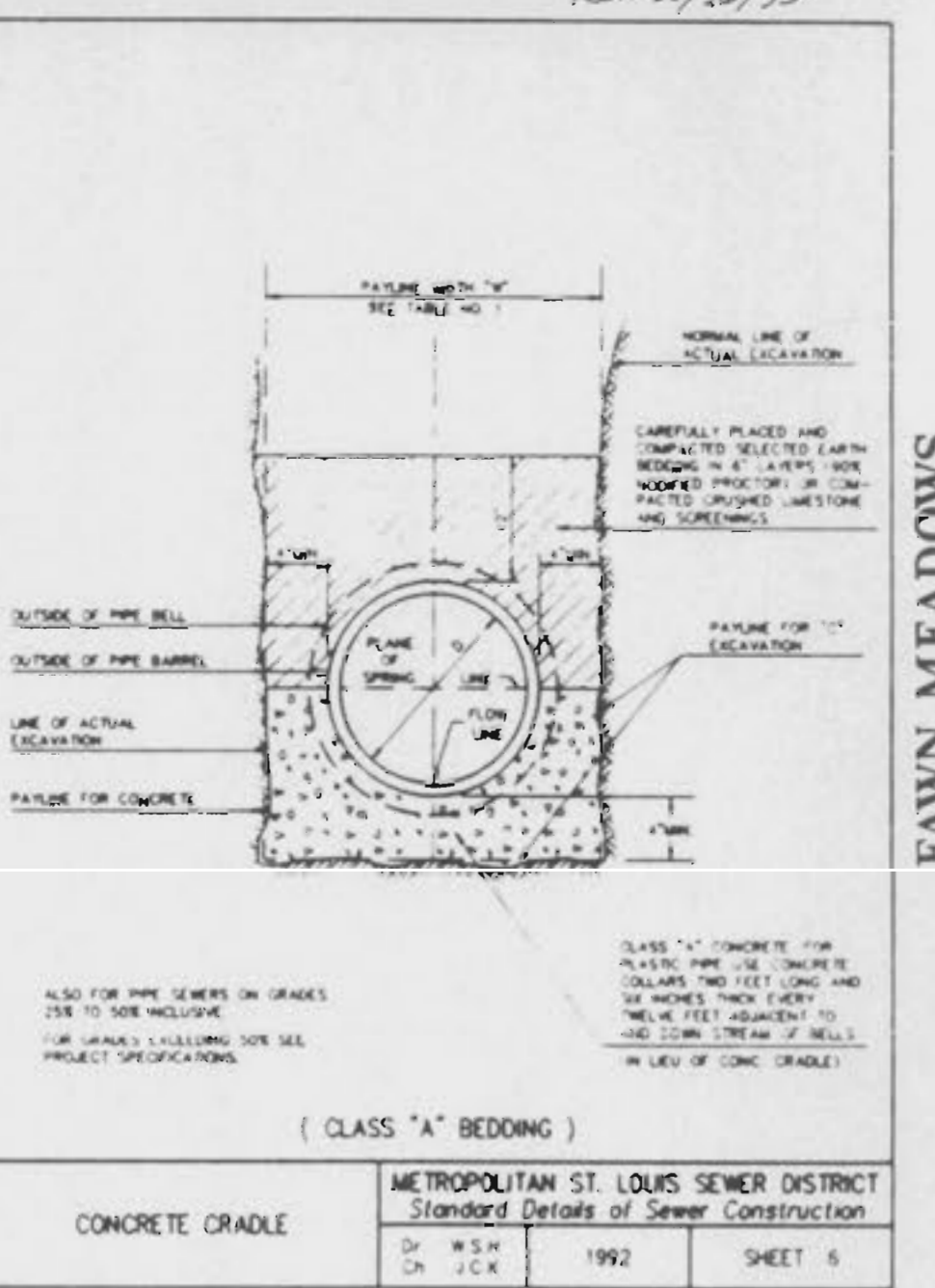
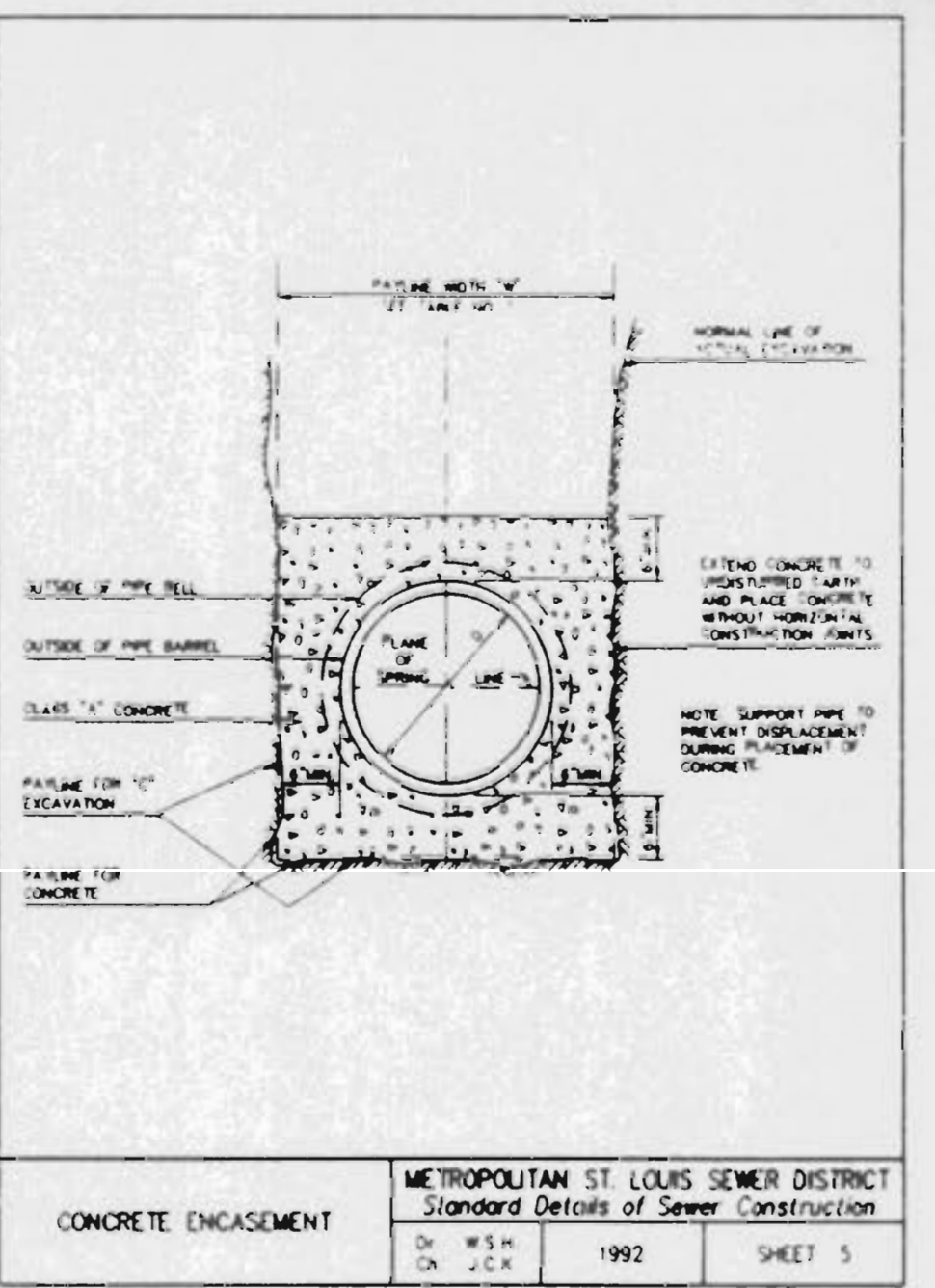
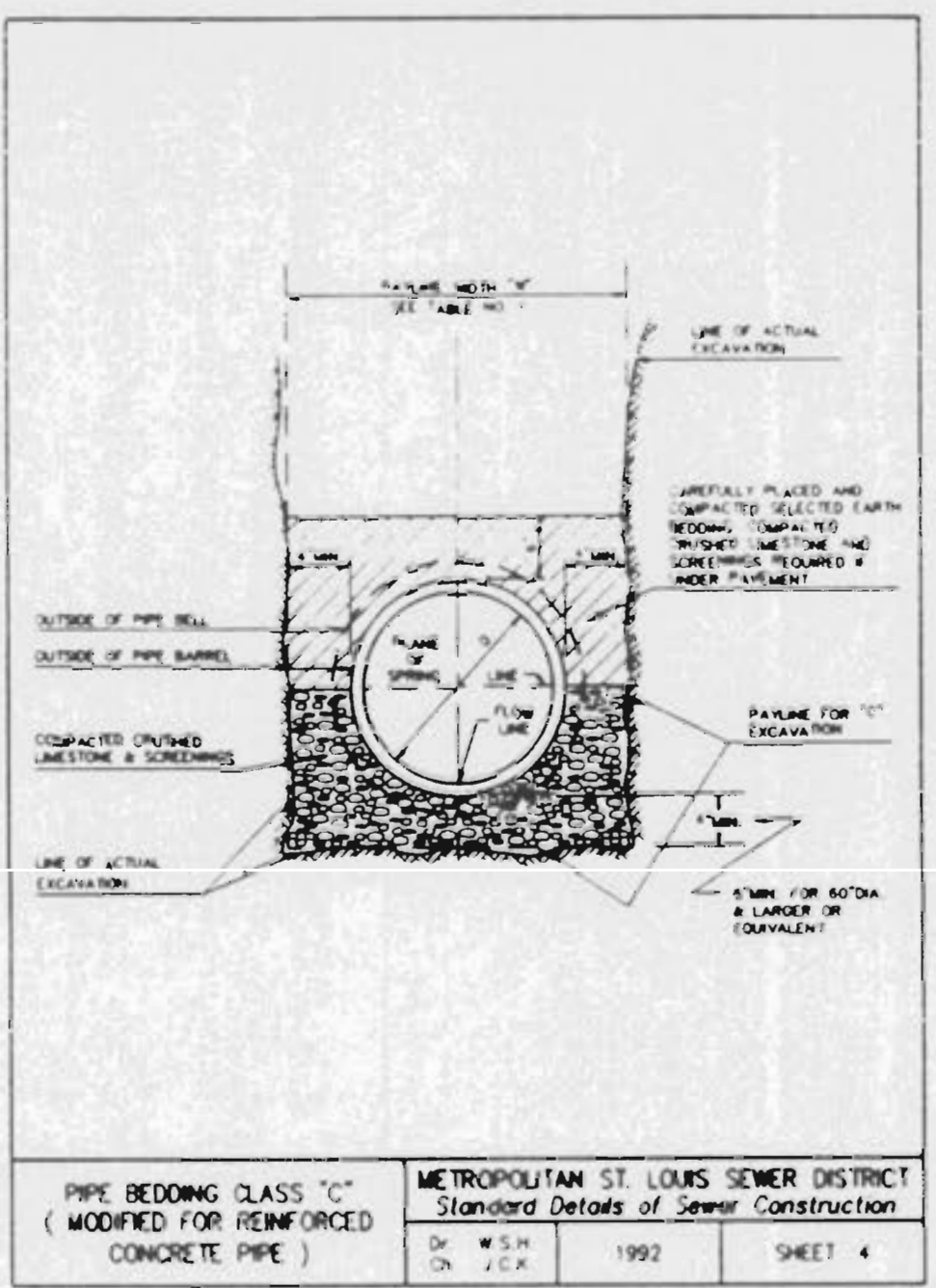
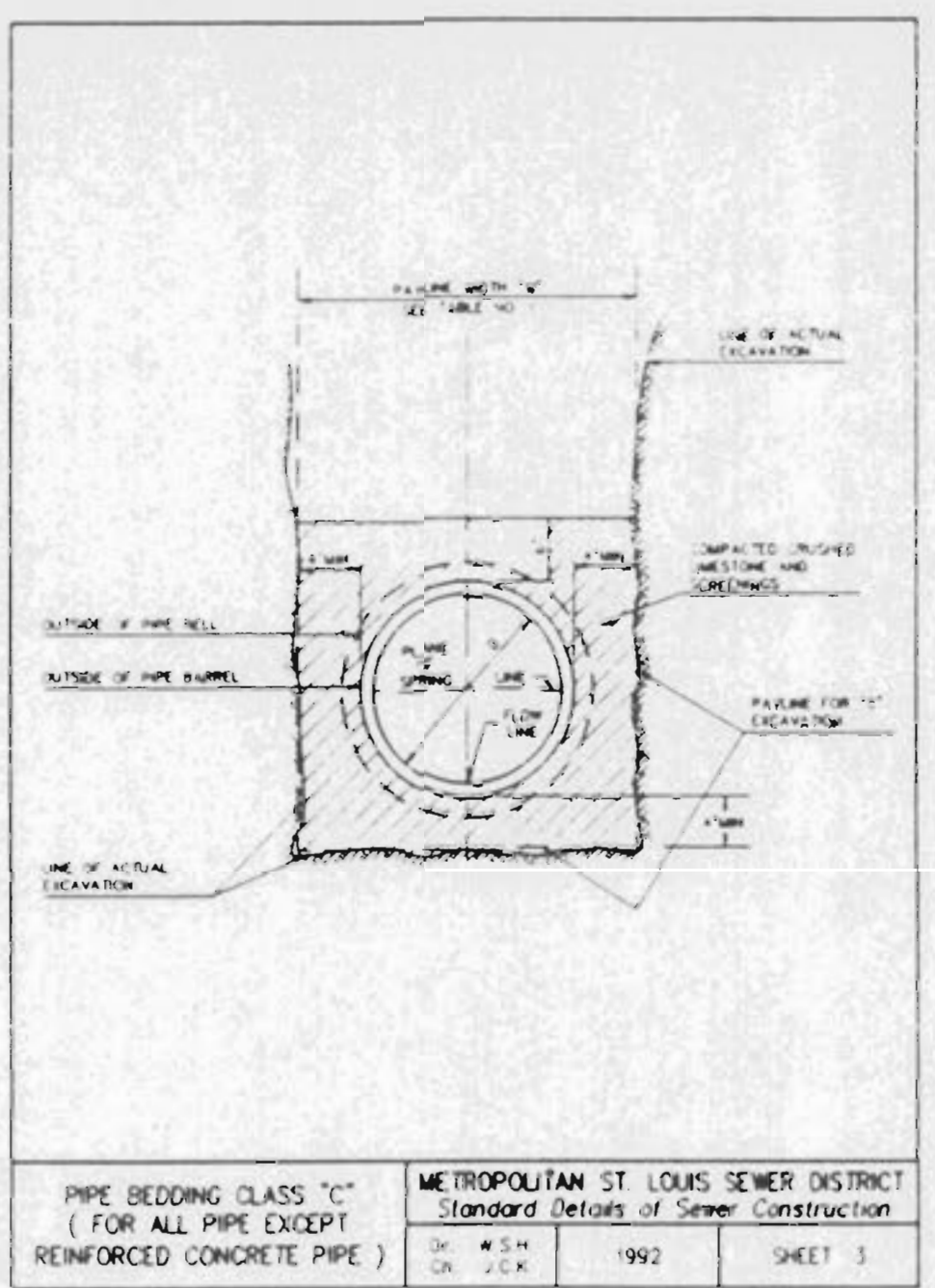
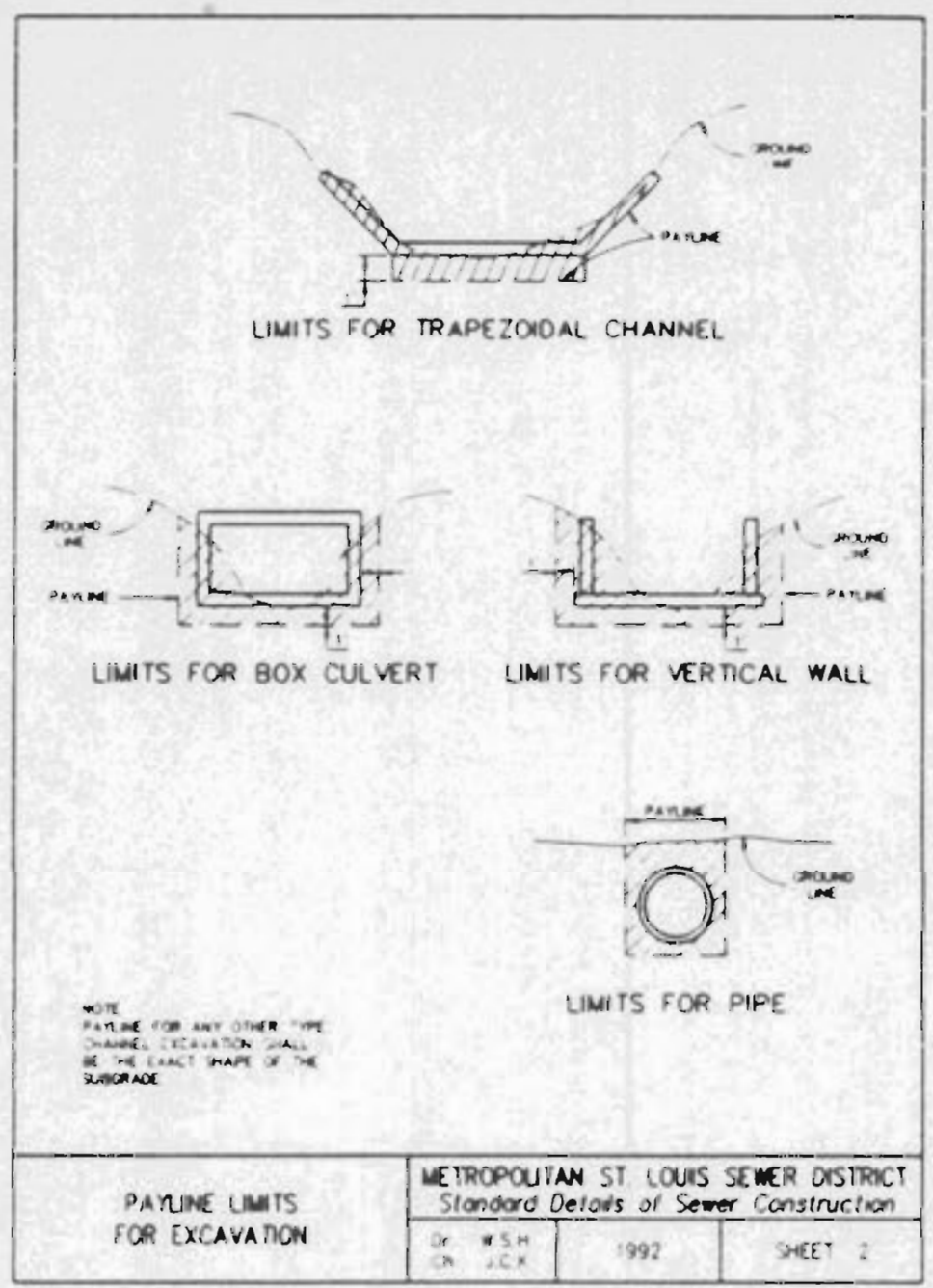


ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
INSIDE DIAMETER OF PIPE (INCHES)	TYP. PAYLINE WIDTH OF TRENCH (INCHES)	TYP. PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOL/FEET (CU FT PER FT)	INSIDE DIMENSIONS OF PIPE (INCHES)	TYP. PAYLINE WIDTH OF TRENCH (INCHES)	TYP. PAYLINE WIDTH OF TRENCH (FEET)	PAY-VOL/FEET (CU FT PER FT)
4	30	2.50	3.28				
6	30	2.50	3.58				
8	30	2.50	3.87				
10	30	2.50	4.15				
12	30	2.50	4.43				
15	36	3.00	5.55				
18	36	3.00	6.27	14 x 23	41	3.42	5.84
24	42	3.50	8.61	18 x 30	48	4.08	7.68
27	45	3.75	9.18	22 x 34	53	4.42	8.61
30	48	4.00	9.75	24 x 38	58	4.83	9.70
33	51	4.25	10.32	27 x 42	63	5.17	10.71
36	54	4.50	10.89	30 x 45	68	5.50	11.72
39	57	4.75	11.46	32 x 48	73	5.83	12.73
42	60	5.00	12.03	36 x 53	79	6.25	13.74
48	70	5.83	15.87	38 x 60	83	6.92	16.18
54	77	6.42	18.15	43 x 68	92	7.67	18.61
60	84	7.00	20.73	48 x 76	100	8.42	21.05
66	91	7.58	23.13	53 x 83	108	9.08	23.48
72	98	8.17	25.53	58 x 91	116	9.83	25.91
78	105	8.75	27.93	63 x 98	124	10.58	28.34
84	112	9.33	30.33	68 x 106	132	11.33	30.77
90	119	9.92	32.73	73 x 113	140	12.08	33.20
96	126	10.50	35.13	78 x 121	148	12.83	35.63
102	133	11.08	37.53	83 x 128	156	13.58	38.06
108	140	11.67	40.00	88 x 136	164	14.33	40.49
114	147	12.25	42.40	93 x 143	172	15.08	42.92
120	154	12.83	44.79	97 x 151	180	15.83	45.35
126	161	13.42	47.19	102 x 158	188	16.58	47.78
132	168	14.00	49.58	106 x 166	196	17.33	50.21
144	182	15.17	57.40	118 x 180	216	19.17	57.56

TABLE 1
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. On J.C.K. 1992 SHEET 1



SECTION OF MANHOLE	DIMENSION
TOP	UPPER 20 1/2" DIA.
TRANSITION	LOWER 42" DIA.
BOTTOM SECTION	8" THRU 24" DIA. PIPE 42" DIA.
BOTTOM SECTION	27" THRU 36" DIA. PIPE 42" SQUARE

TABLE NO. 2
STANDARD MANHOLE DIMENSIONS
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. On J.C.K. 1992 SHEET 7

