

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
DIAMETER OF PIPE (INCHES)	PAVING WIDTH OF TRENCH (FEET)	PAVING WIDTH OF TRENCH (FEET)	PAVING WIDTH OF TRENCH (FEET)	PAVING WIDTH OF TRENCH (FEET)	PAVING WIDTH OF TRENCH (FEET)	PAVING WIDTH OF TRENCH (FEET)	PAVING WIDTH OF TRENCH (FEET)
8	3.00	3.25	3.25	3.25	3.25	3.25	3.25
10	3.00	3.25	3.25	3.25	3.25	3.25	3.25
12	3.00	3.25	3.25	3.25	3.25	3.25	3.25
15	3.00	3.25	3.25	3.25	3.25	3.25	3.25
18	3.00	3.25	3.25	3.25	3.25	3.25	3.25
21	3.00	3.25	3.25	3.25	3.25	3.25	3.25
24	3.00	3.25	3.25	3.25	3.25	3.25	3.25
27	3.00	3.25	3.25	3.25	3.25	3.25	3.25
30	3.00	3.25	3.25	3.25	3.25	3.25	3.25
33	3.00	3.25	3.25	3.25	3.25	3.25	3.25
36	3.00	3.25	3.25	3.25	3.25	3.25	3.25
39	3.00	3.25	3.25	3.25	3.25	3.25	3.25
42	3.00	3.25	3.25	3.25	3.25	3.25	3.25
45	3.00	3.25	3.25	3.25	3.25	3.25	3.25
48	3.00	3.25	3.25	3.25	3.25	3.25	3.25
51	3.00	3.25	3.25	3.25	3.25	3.25	3.25
54	3.00	3.25	3.25	3.25	3.25	3.25	3.25
57	3.00	3.25	3.25	3.25	3.25	3.25	3.25
60	3.00	3.25	3.25	3.25	3.25	3.25	3.25
63	3.00	3.25	3.25	3.25	3.25	3.25	3.25
66	3.00	3.25	3.25	3.25	3.25	3.25	3.25
69	3.00	3.25	3.25	3.25	3.25	3.25	3.25
72	3.00	3.25	3.25	3.25	3.25	3.25	3.25
75	3.00	3.25	3.25	3.25	3.25	3.25	3.25
78	3.00	3.25	3.25	3.25	3.25	3.25	3.25
81	3.00	3.25	3.25	3.25	3.25	3.25	3.25
84	3.00	3.25	3.25	3.25	3.25	3.25	3.25
87	3.00	3.25	3.25	3.25	3.25	3.25	3.25
90	3.00	3.25	3.25	3.25	3.25	3.25	3.25
93	3.00	3.25	3.25	3.25	3.25	3.25	3.25
96	3.00	3.25	3.25	3.25	3.25	3.25	3.25
99	3.00	3.25	3.25	3.25	3.25	3.25	3.25
102	3.00	3.25	3.25	3.25	3.25	3.25	3.25
105	3.00	3.25	3.25	3.25	3.25	3.25	3.25
108	3.00	3.25	3.25	3.25	3.25	3.25	3.25
111	3.00	3.25	3.25	3.25	3.25	3.25	3.25
114	3.00	3.25	3.25	3.25	3.25	3.25	3.25
117	3.00	3.25	3.25	3.25	3.25	3.25	3.25
120	3.00	3.25	3.25	3.25	3.25	3.25	3.25
123	3.00	3.25	3.25	3.25	3.25	3.25	3.25
126	3.00	3.25	3.25	3.25	3.25	3.25	3.25
129	3.00	3.25	3.25	3.25	3.25	3.25	3.25
132	3.00	3.25	3.25	3.25	3.25	3.25	3.25
135	3.00	3.25	3.25	3.25	3.25	3.25	3.25
138	3.00	3.25	3.25	3.25	3.25	3.25	3.25
141	3.00	3.25	3.25	3.25	3.25	3.25	3.25
144	3.00	3.25	3.25	3.25	3.25	3.25	3.25

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

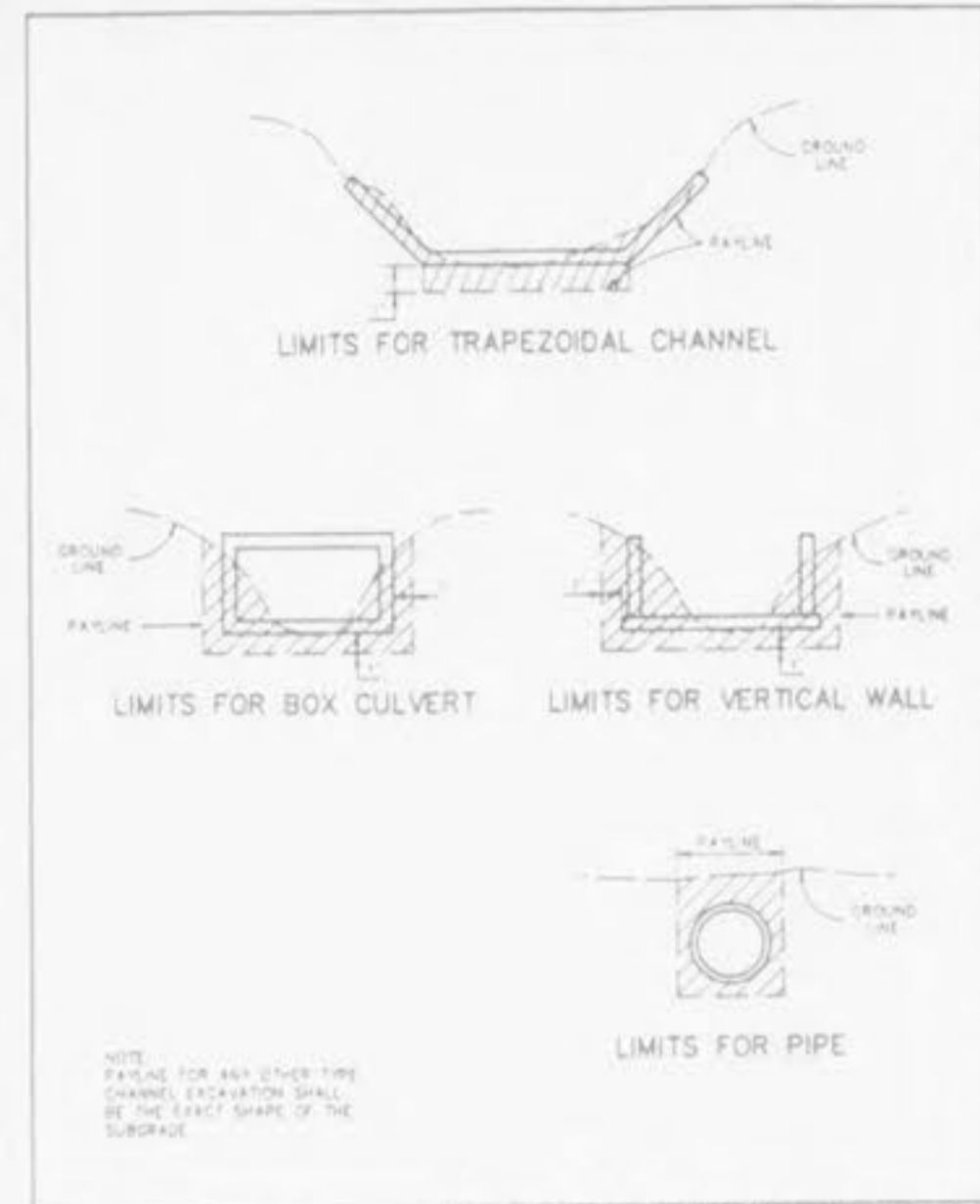
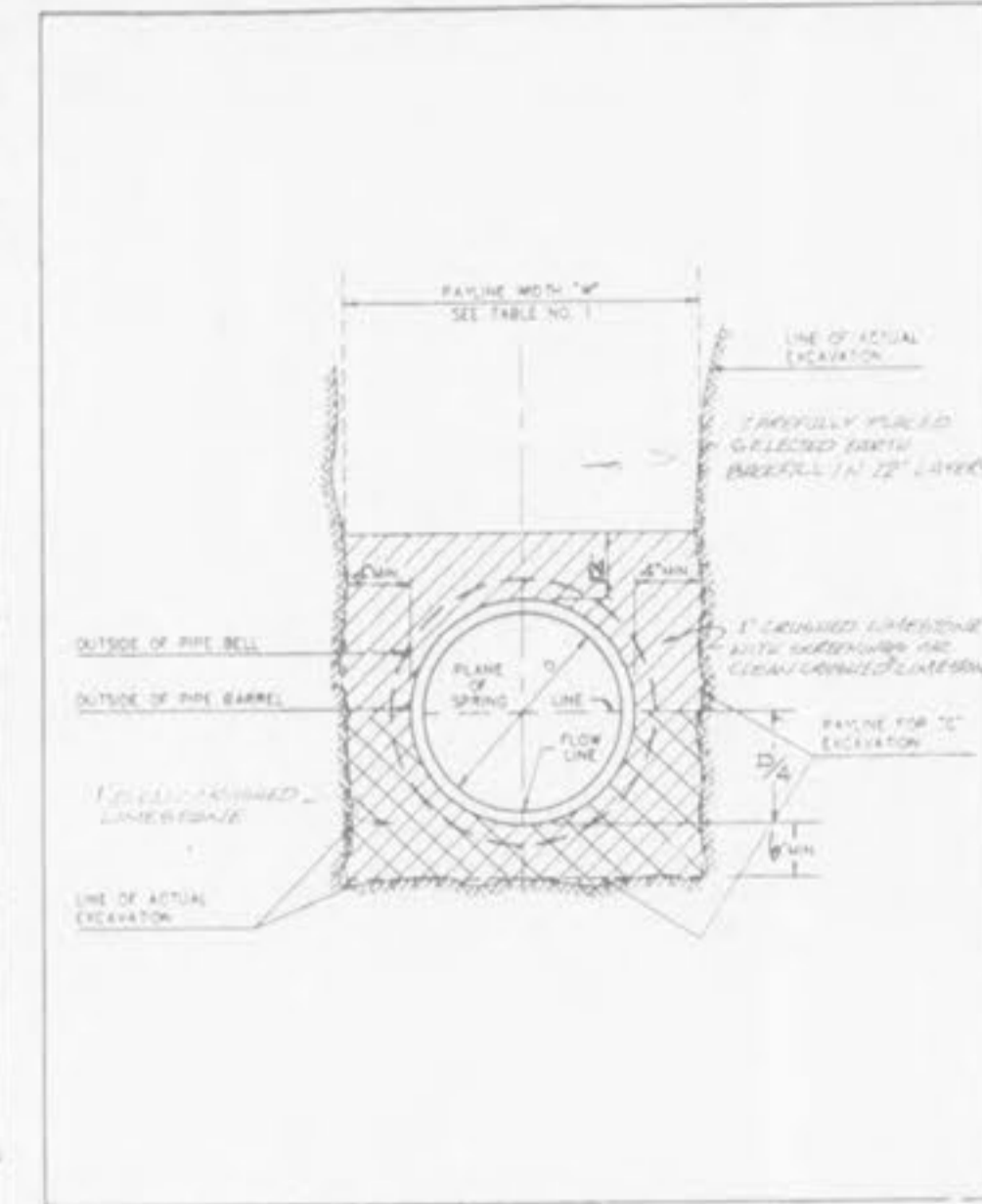
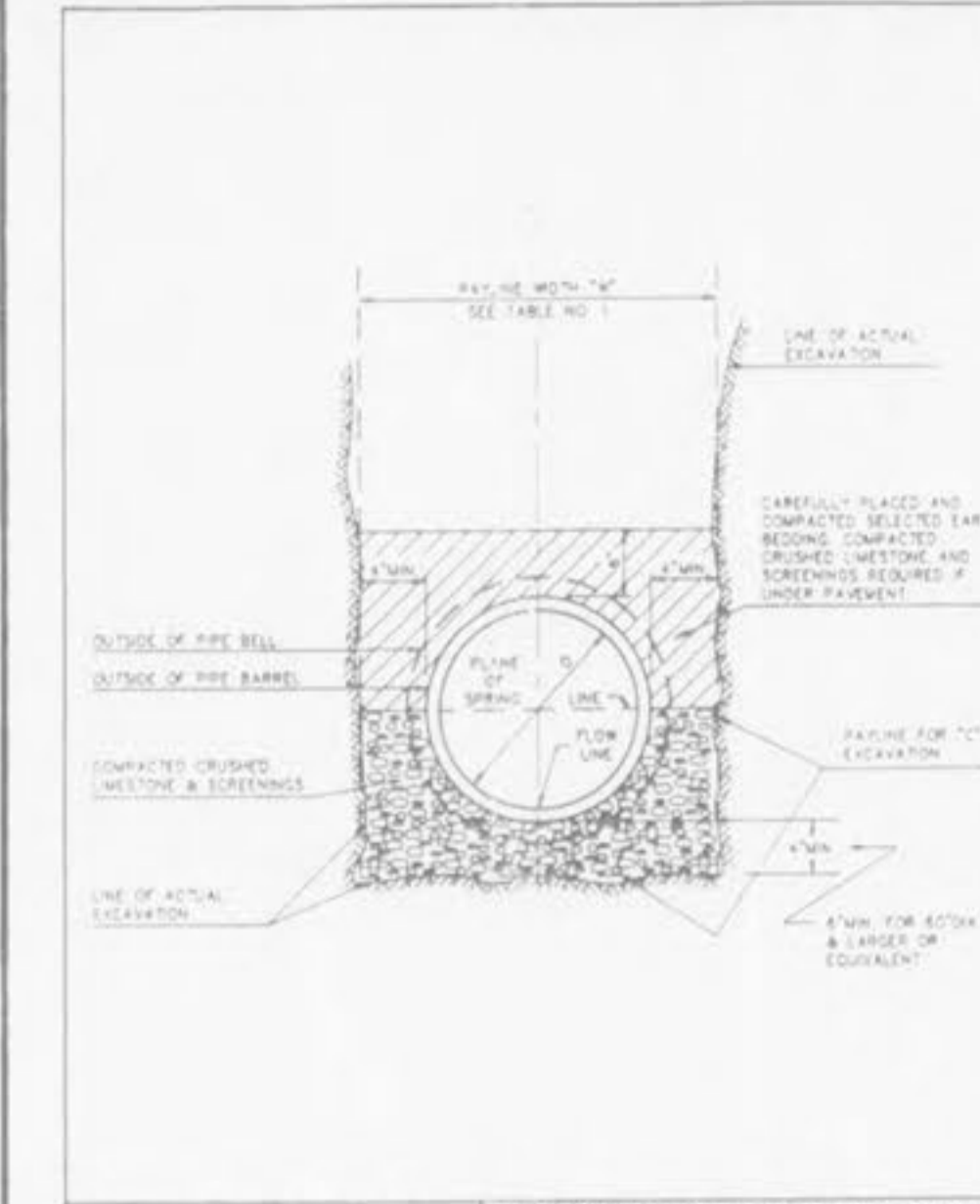


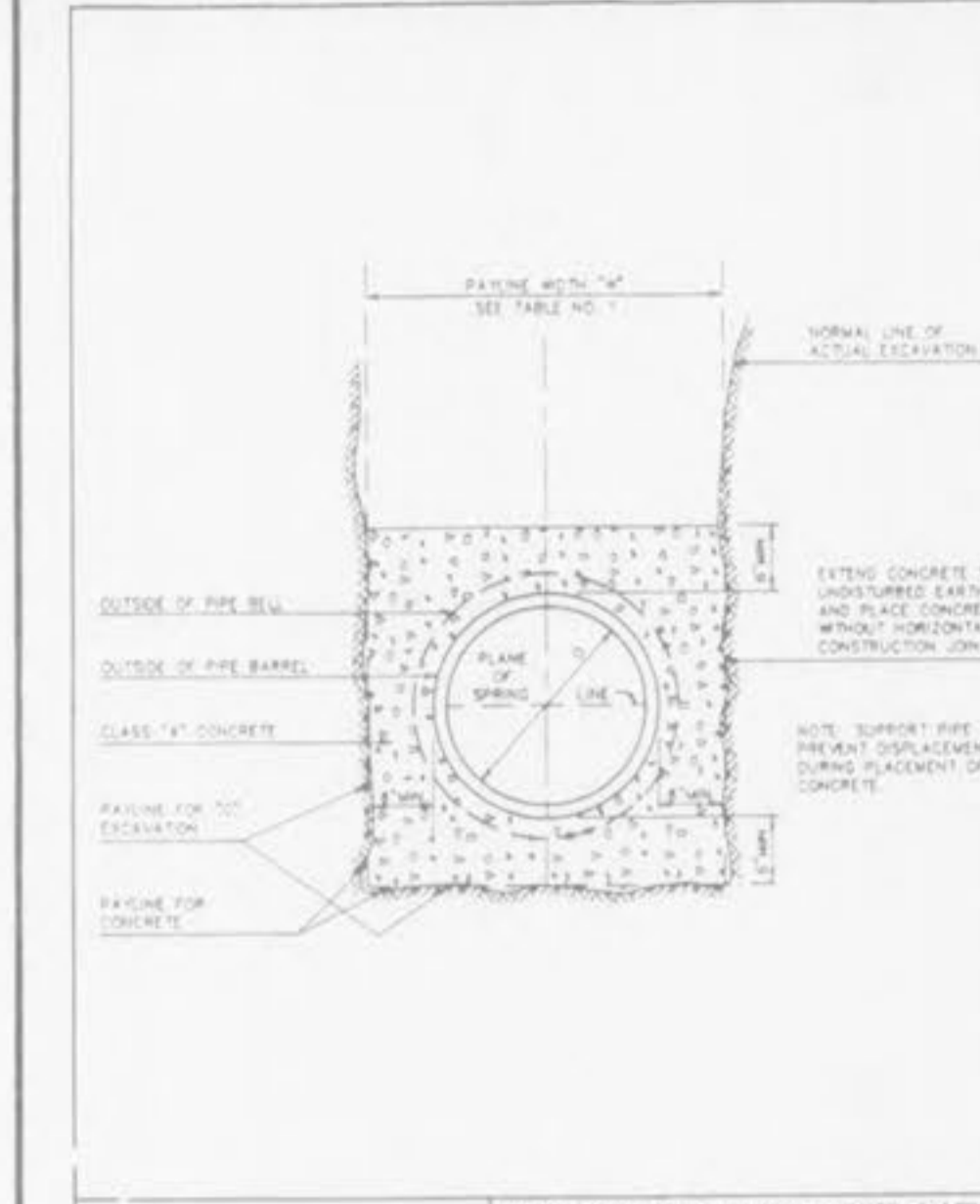
TABLE 1  
PAYLINE LIMITS FOR EXCAVATION  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 2



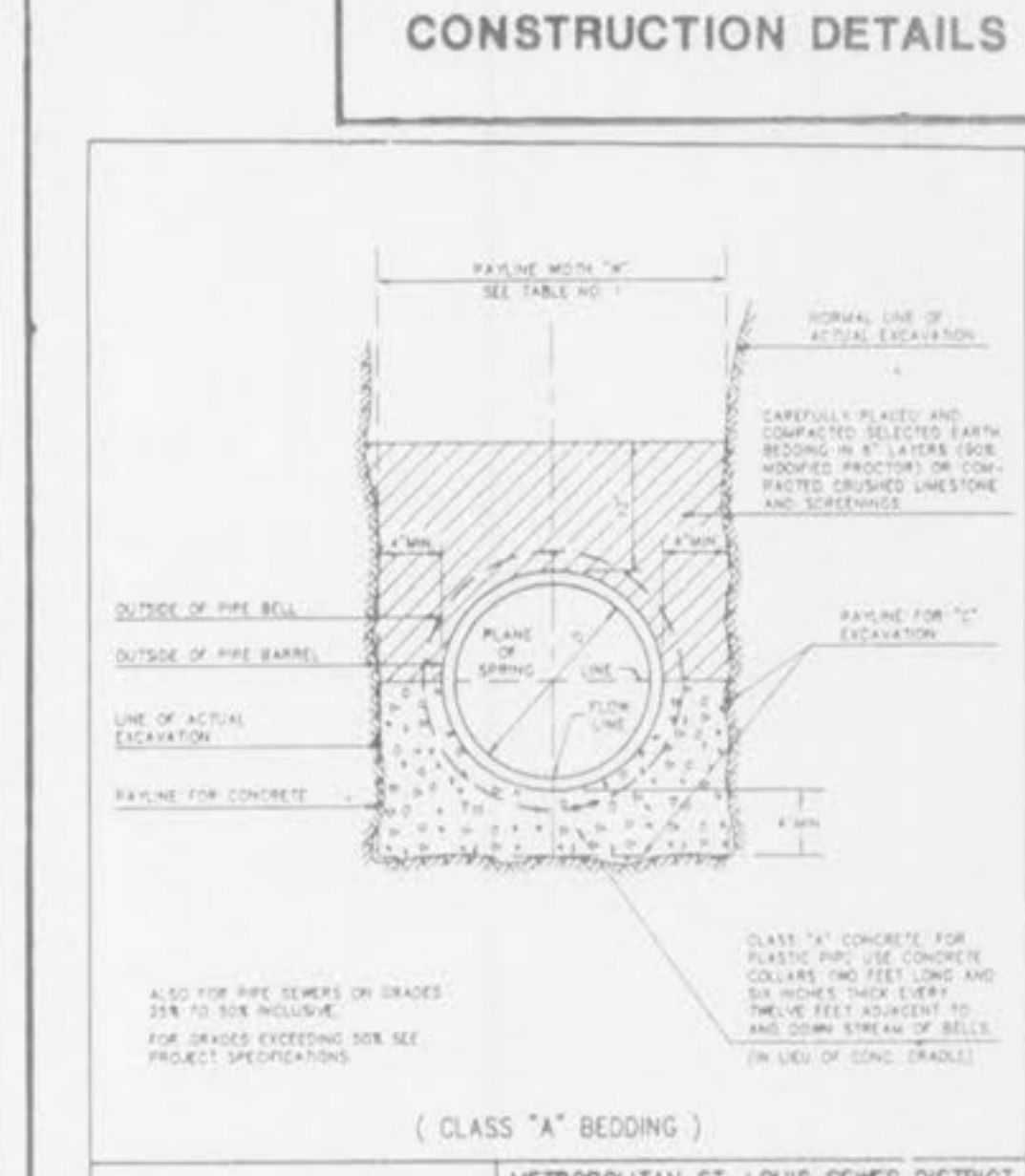
PIPE BEDDING CLASS "C"  
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 3



PIPE BEDDING CLASS "C"  
(MODIFIED FOR REINFORCED CONCRETE PIPE)  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 4



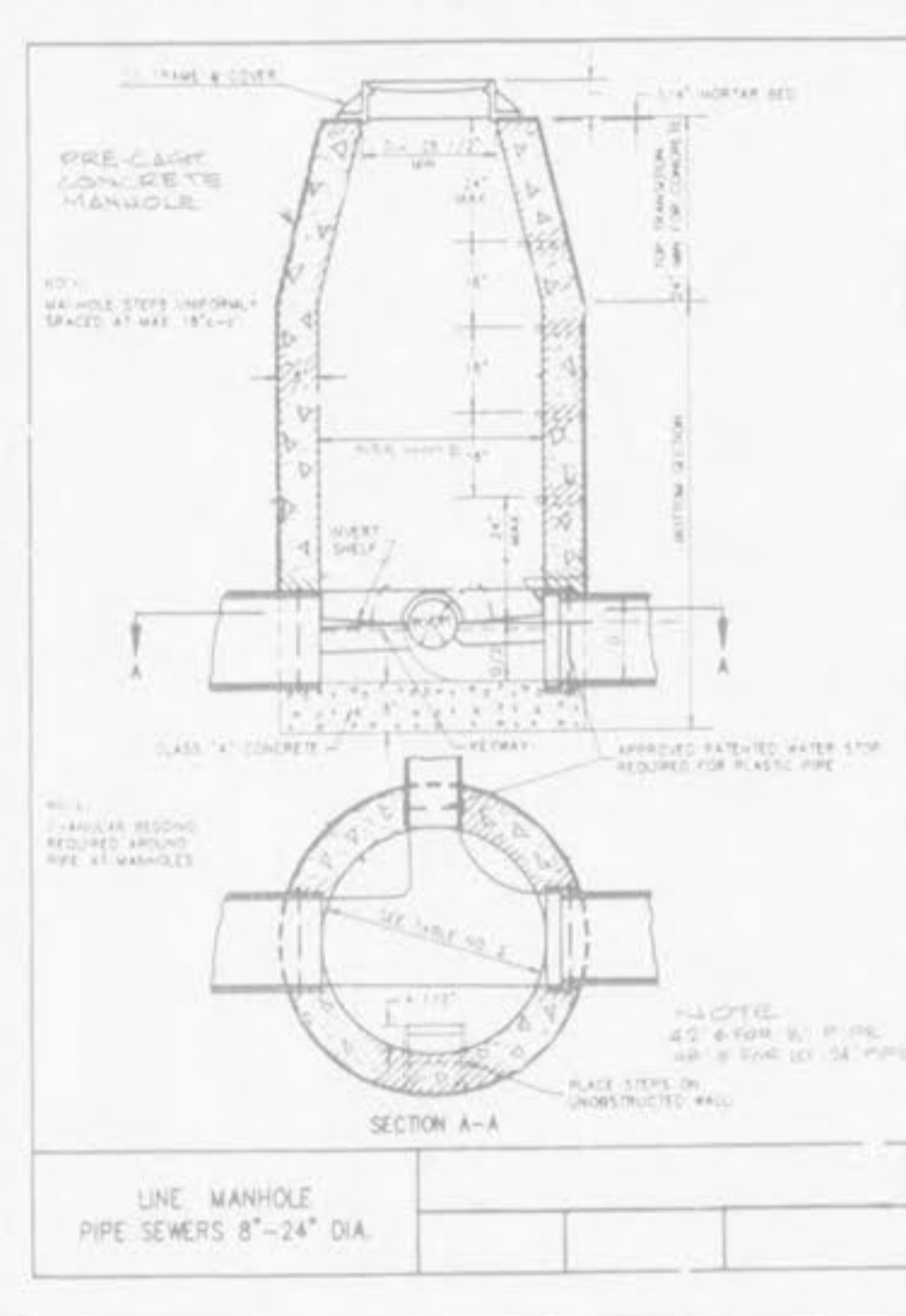
CONCRETE ENCASUREMENT  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 5



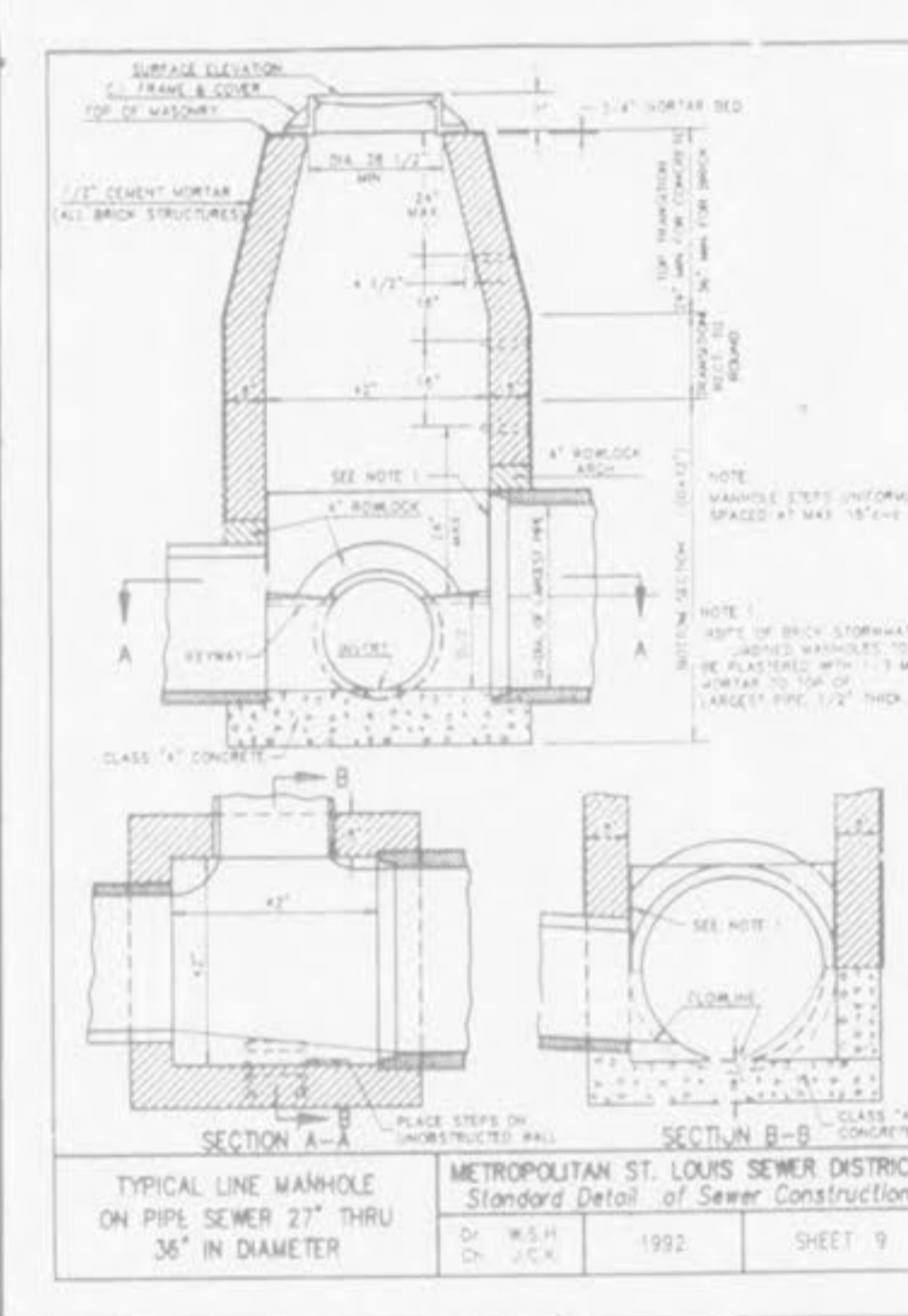
CONCRETE CRADLE  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 6

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

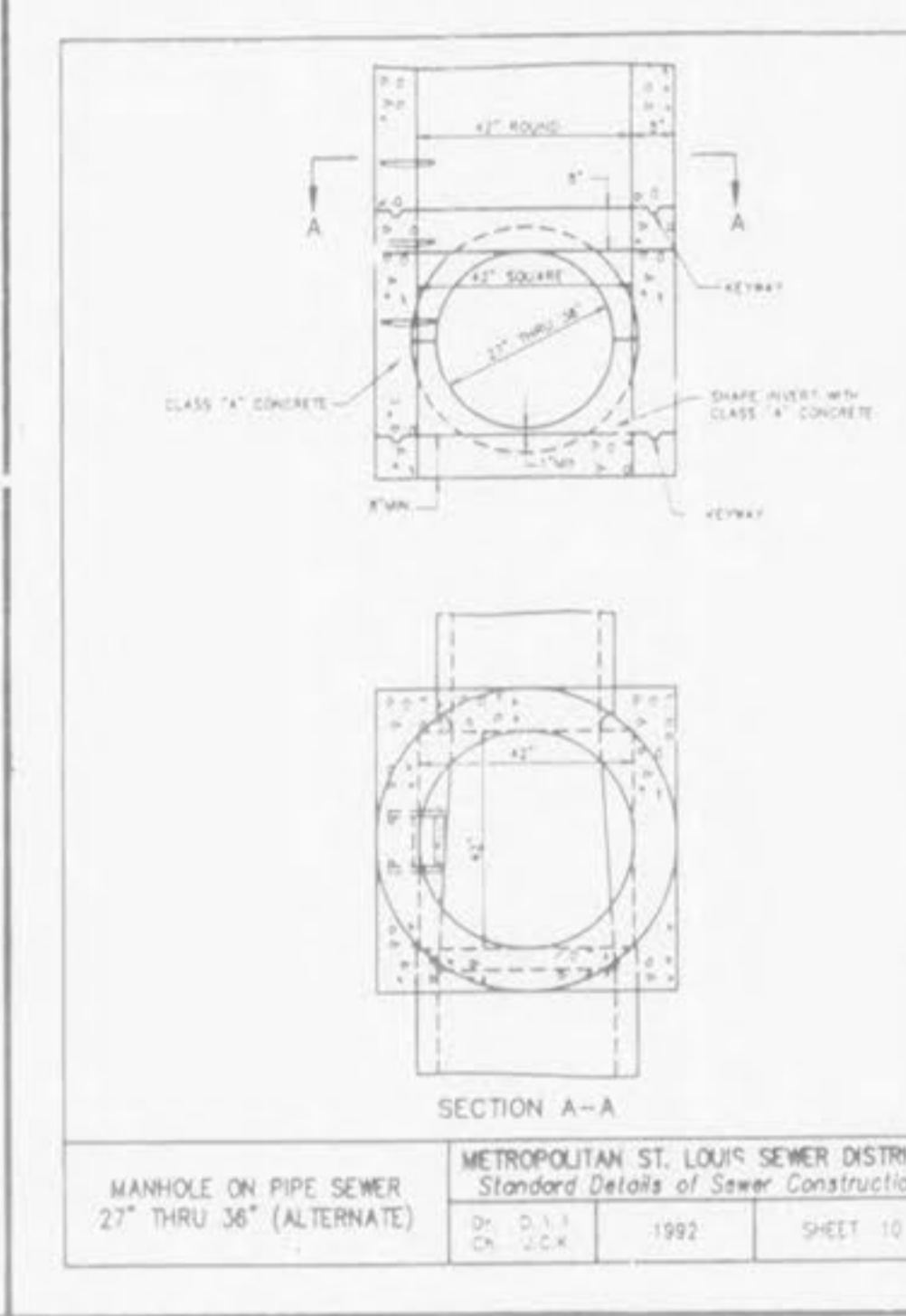
TABLE NO. 2  
STANDARD MANHOLE DIMENSIONS  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 7



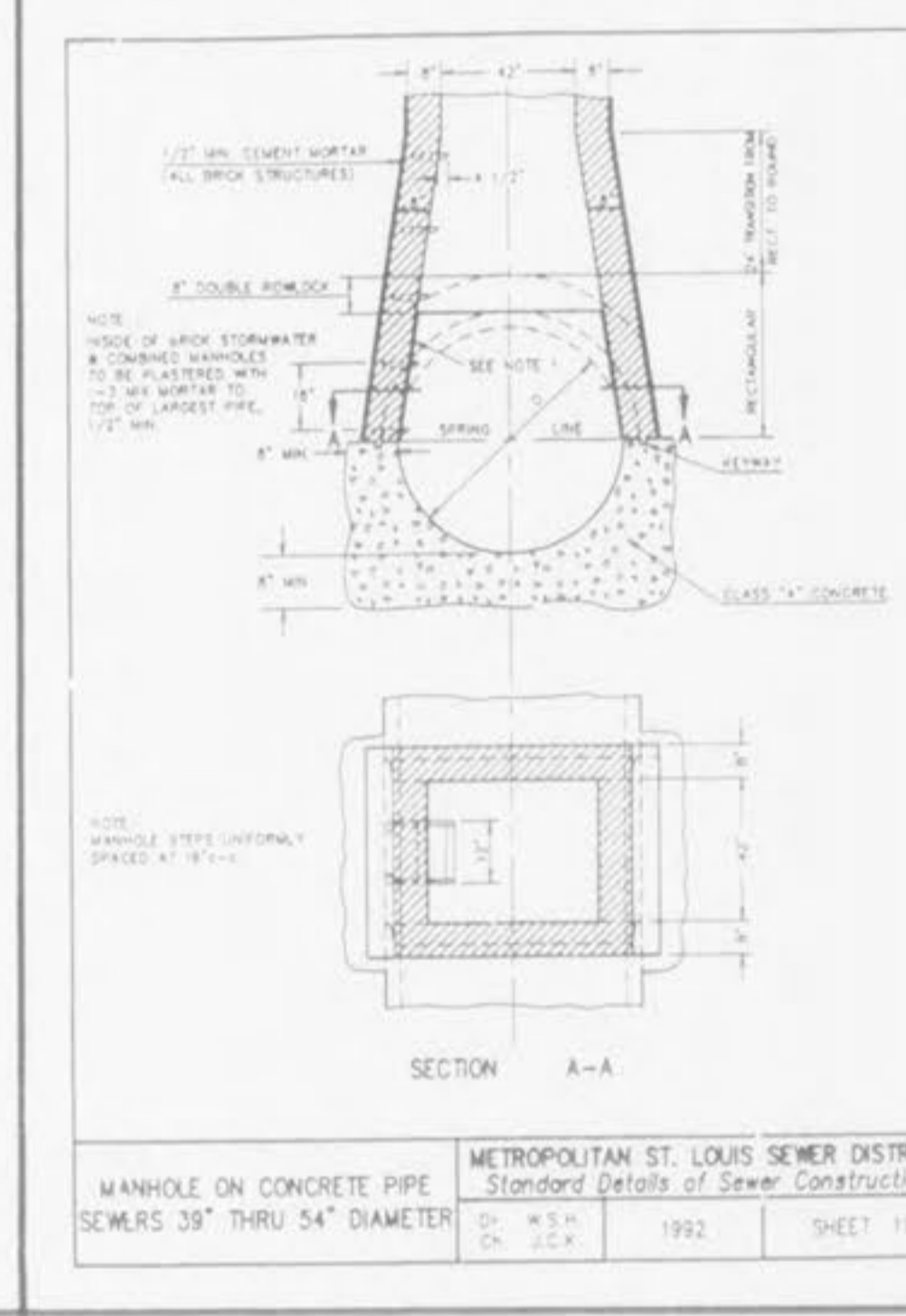
LINE MANHOLE  
PIPE SEWERS 8"-24" DIA.  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 8



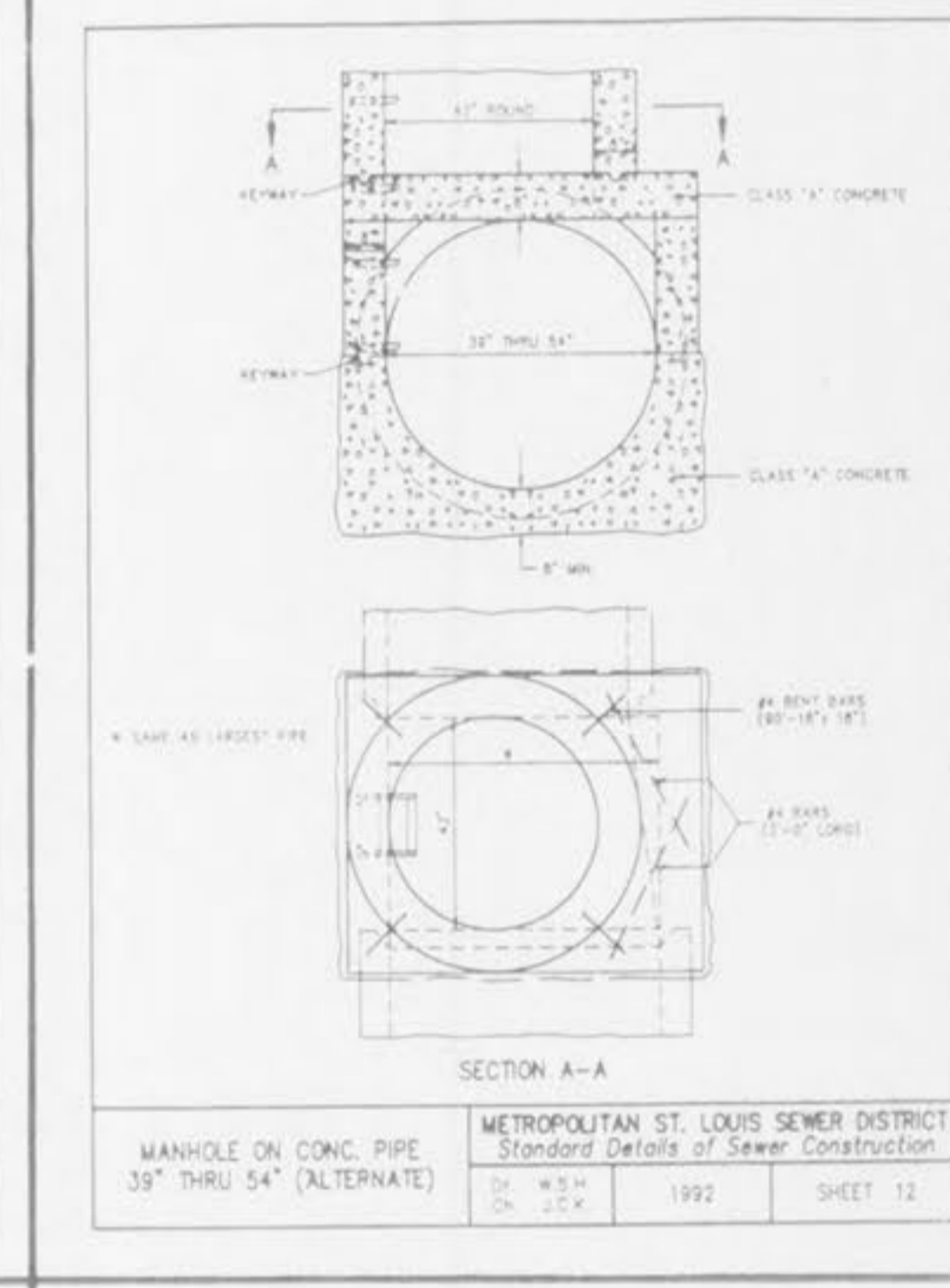
TYPICAL LINE MANHOLE  
ON PIPE SEWER 27" THRU 36" IN DIAMETER  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 9



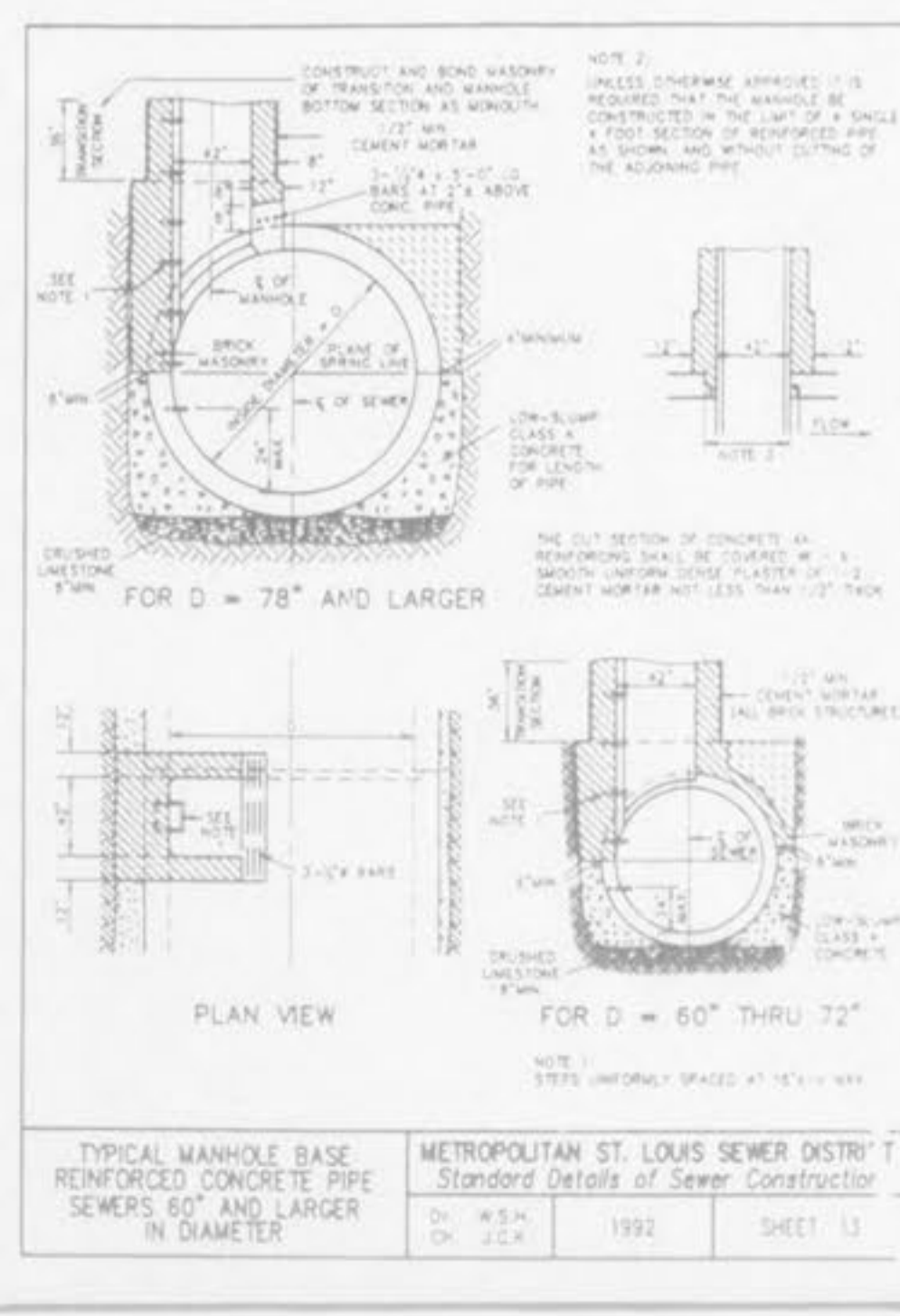
MANHOLE ON PIPE SEWER  
27" THRU 36" (ALTERNATE)  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 10



MANHOLE ON CONCRETE PIPE  
SEWERS 39" THRU 54" DIAMETER  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 11



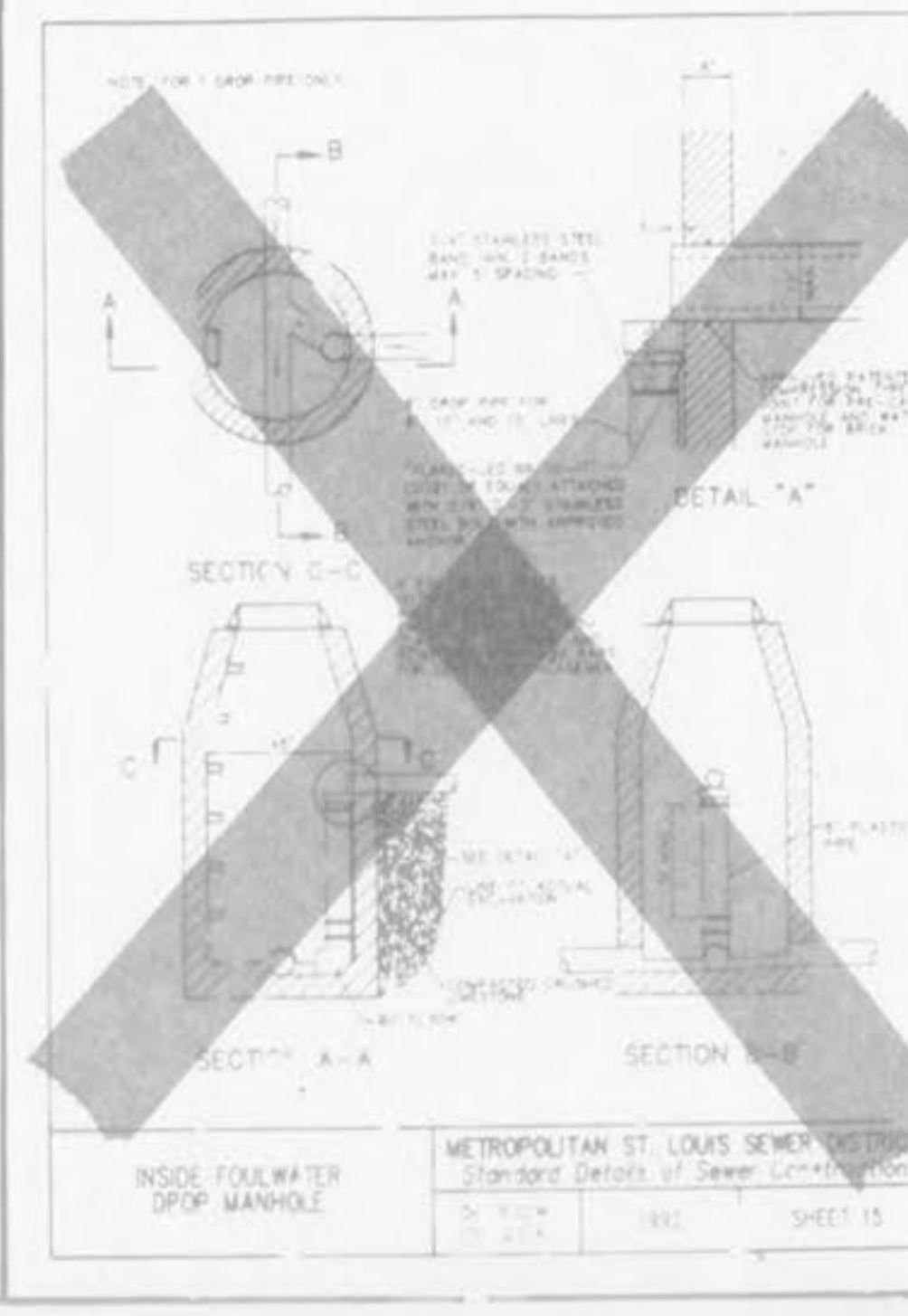
MANHOLE ON CONG. PIPE  
39" THRU 54" (ALTERNATE)  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 12



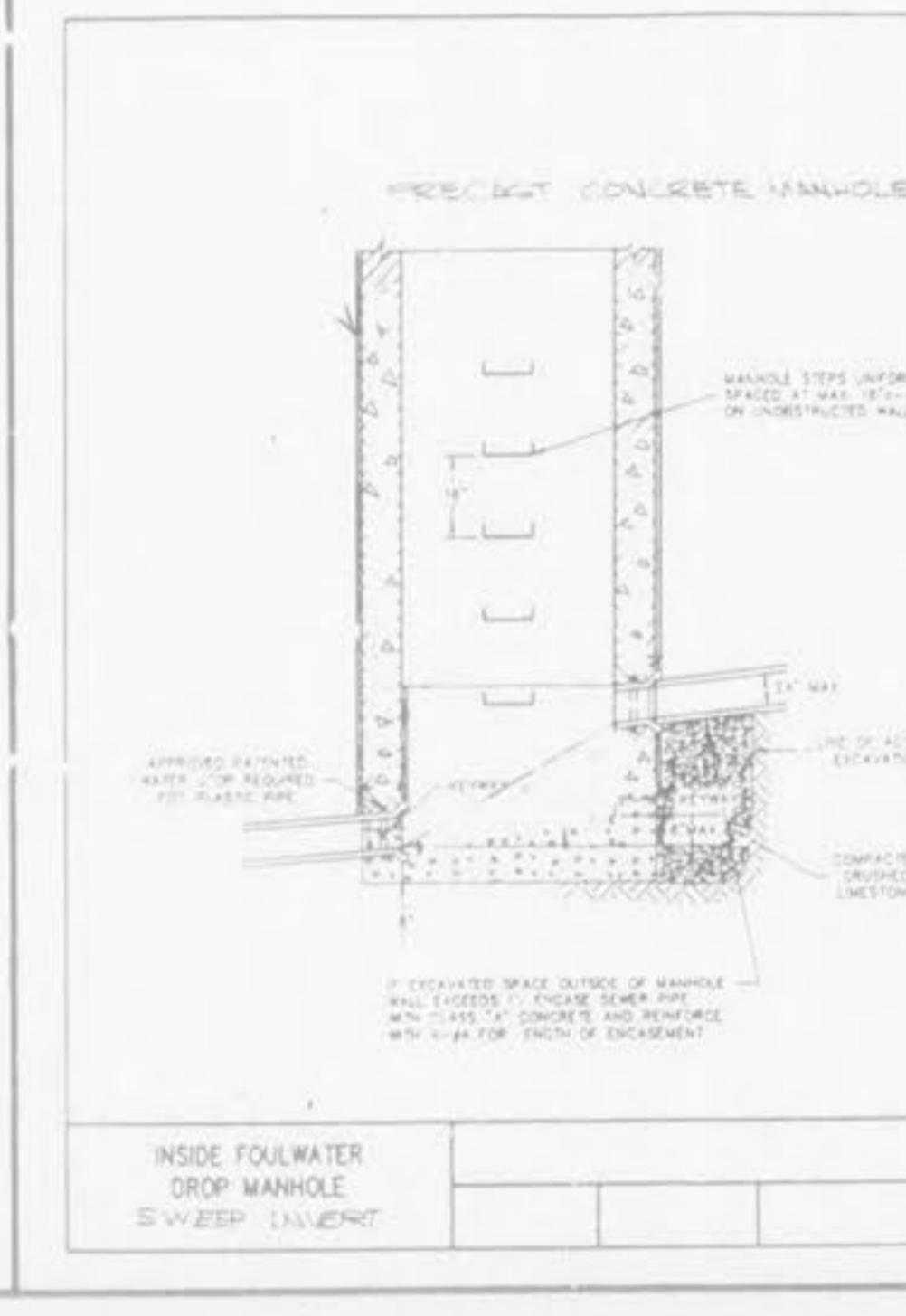
TYPICAL MANHOLE BASE  
REINFORCED CONCRETE PIPE  
SEWERS 60" AND LARGER  
IN DIAMETER  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 13



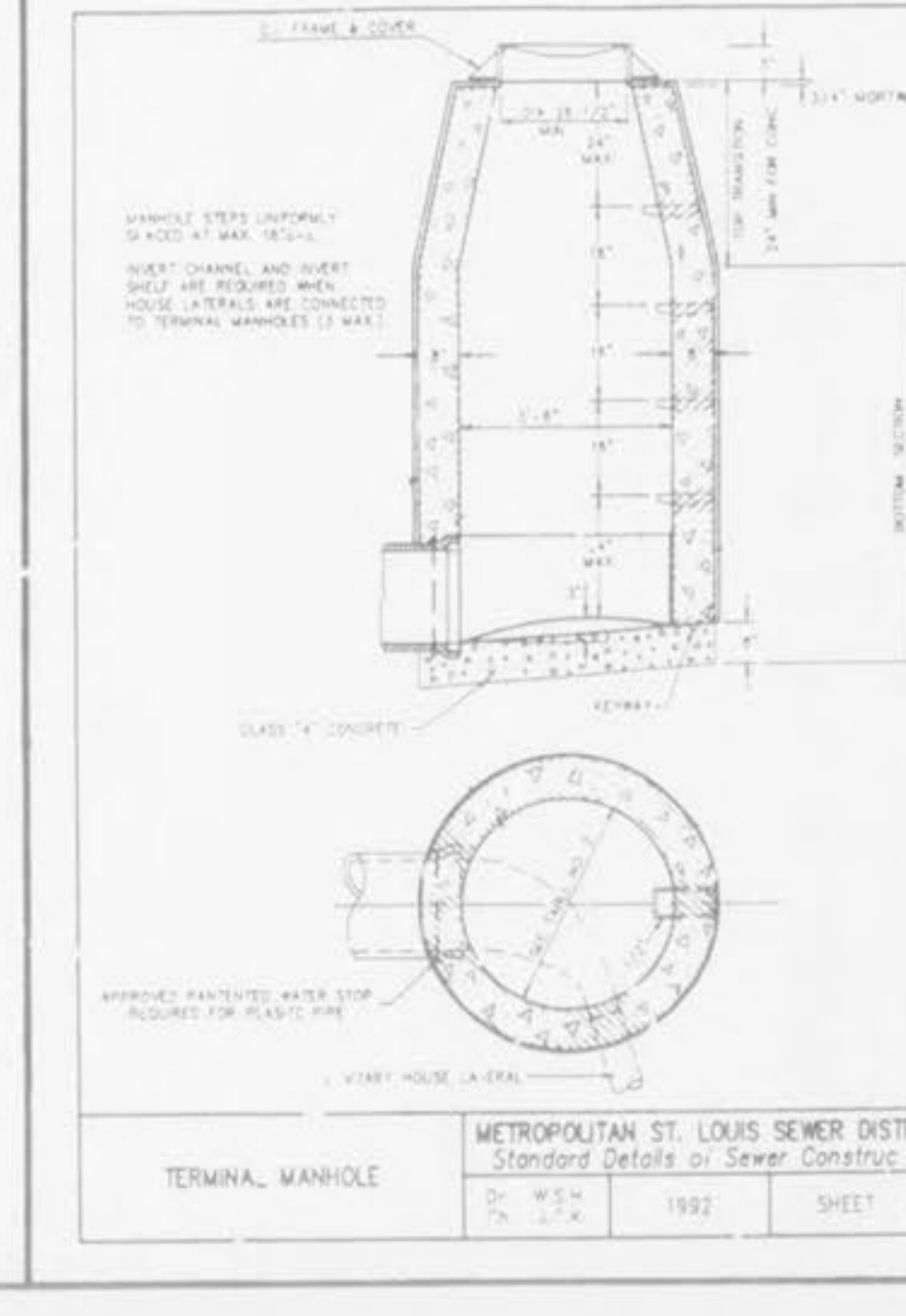
OUTSIDE FOULWATER  
DROP MANHOLE  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 14



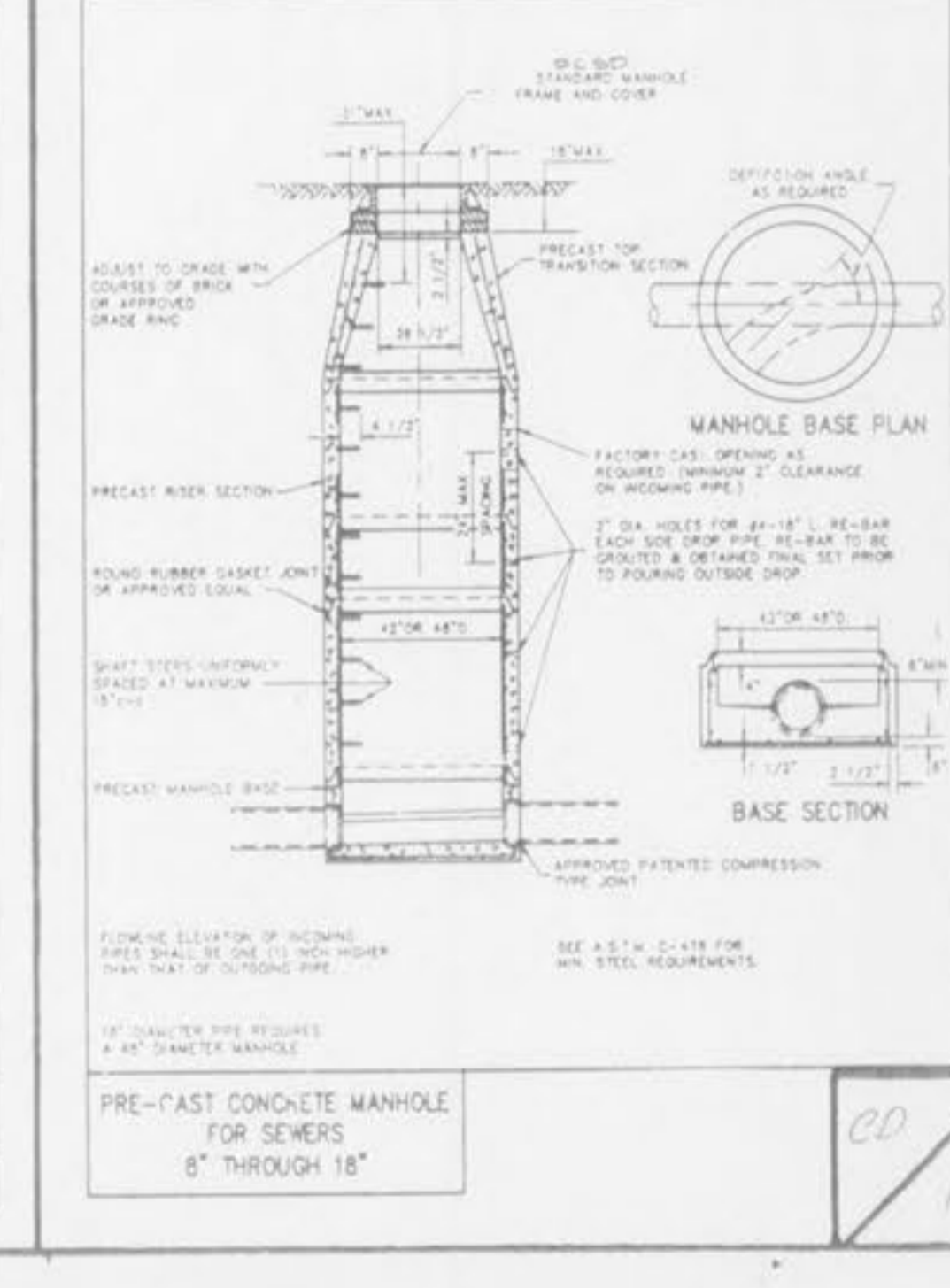
INSIDE FOULWATER  
DROP MANHOLE  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 15



INSIDE FOULWATER  
DROP MANHOLE  
(ALTERNATE)  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 16



TERMINAL MANHOLE  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 17



PRE-CAST CONCRETE MANHOLE  
FOR SEWERS  
8" THROUGH 18"  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
D. W.S.H. 1992  
C.A. J.C.K. SHEET 18

CONSTRUCTION DETAILS