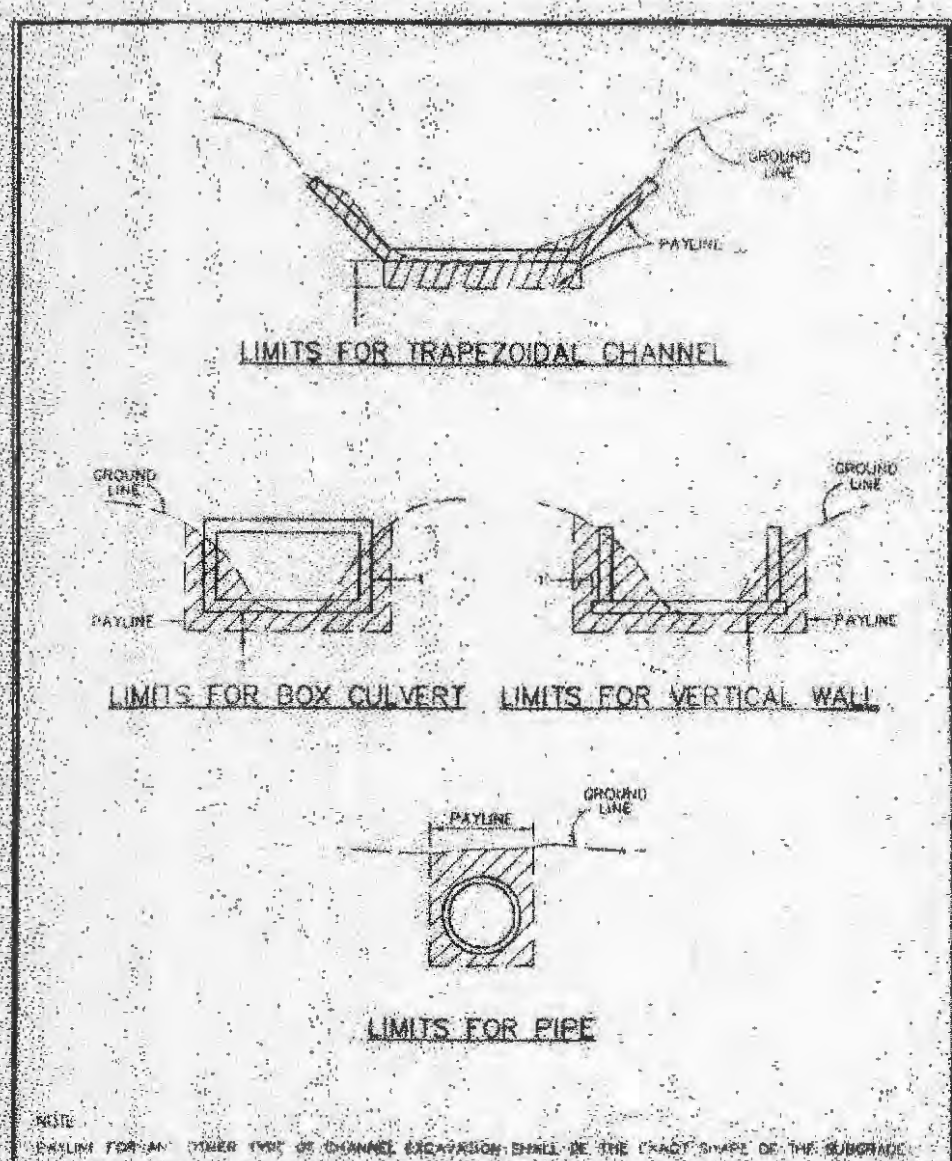
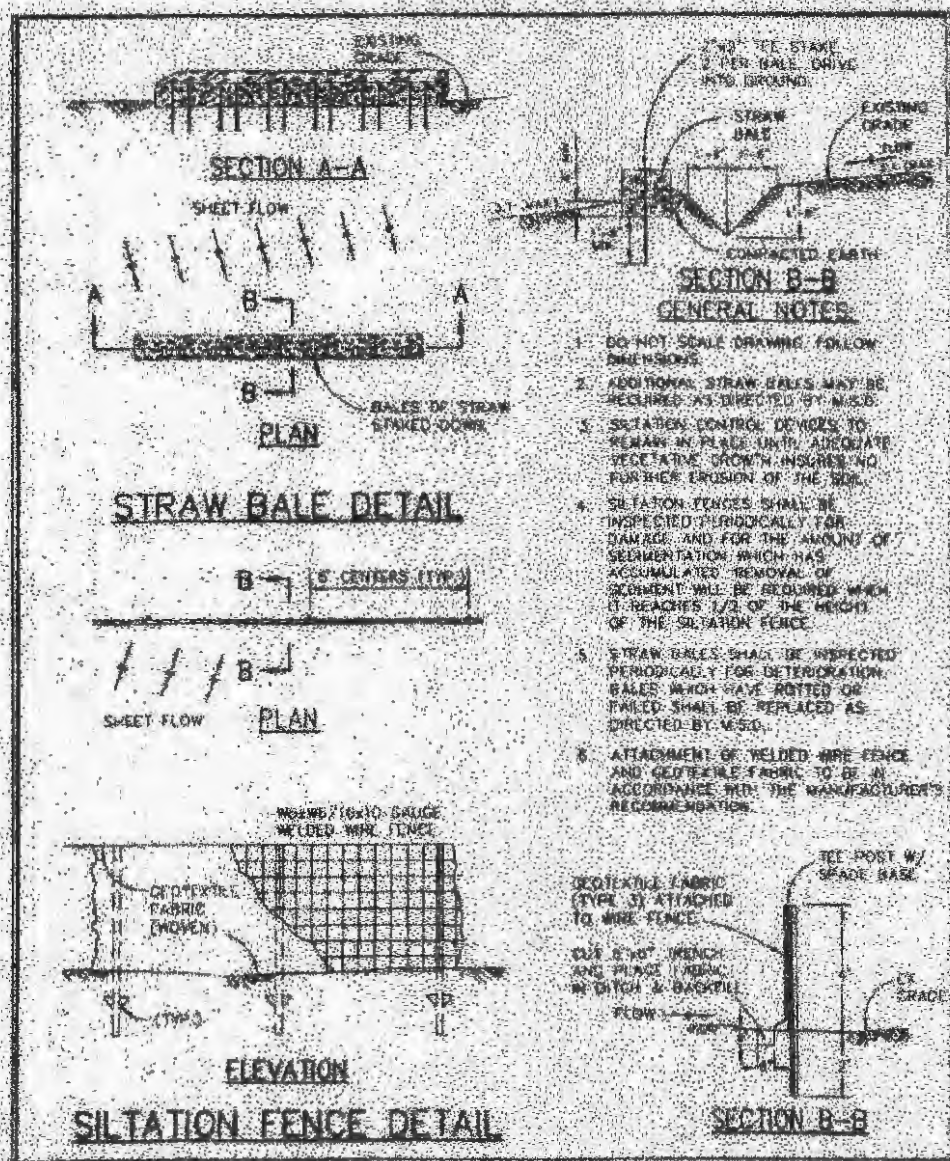


ROUND PIPE				HORIZONTAL ELIPTICAL PIPE			
PIPE DIAMETER (INCHES)	PAVING WIDTH (FEET)	PAVING DEPTH (FEET)	PAVING VOLUME (CU YD)	PAVING WIDTH (FEET)	PAVING DEPTH (FEET)	PAVING VOLUME (CU YD)	PAVING VOLUME (CU YD)
4	3.0	2.00	2.28	3.0	2.00	2.28	
6	3.0	2.00	2.28	3.0	2.00	2.28	
8	3.0	2.00	2.28	3.0	2.00	2.28	
10	3.0	2.00	2.28	3.0	2.00	2.28	
12	3.0	2.00	2.28	3.0	2.00	2.28	
14	3.0	2.00	2.28	3.0	2.00	2.28	
16	3.0	2.00	2.28	3.0	2.00	2.28	
18	3.0	2.00	2.28	3.0	2.00	2.28	
20	3.0	2.00	2.28	3.0	2.00	2.28	
22	3.0	2.00	2.28	3.0	2.00	2.28	
24	3.0	2.00	2.28	3.0	2.00	2.28	
26	3.0	2.00	2.28	3.0	2.00	2.28	
28	3.0	2.00	2.28	3.0	2.00	2.28	
30	3.0	2.00	2.28	3.0	2.00	2.28	
32	3.0	2.00	2.28	3.0	2.00	2.28	
34	3.0	2.00	2.28	3.0	2.00	2.28	
36	3.0	2.00	2.28	3.0	2.00	2.28	
38	3.0	2.00	2.28	3.0	2.00	2.28	
40	3.0	2.00	2.28	3.0	2.00	2.28	
42	3.0	2.00	2.28	3.0	2.00	2.28	
44	3.0	2.00	2.28	3.0	2.00	2.28	
46	3.0	2.00	2.28	3.0	2.00	2.28	
48	3.0	2.00	2.28	3.0	2.00	2.28	
50	3.0	2.00	2.28	3.0	2.00	2.28	
52	3.0	2.00	2.28	3.0	2.00	2.28	
54	3.0	2.00	2.28	3.0	2.00	2.28	
56	3.0	2.00	2.28	3.0	2.00	2.28	
58	3.0	2.00	2.28	3.0	2.00	2.28	
60	3.0	2.00	2.28	3.0	2.00	2.28	
62	3.0	2.00	2.28	3.0	2.00	2.28	
64	3.0	2.00	2.28	3.0	2.00	2.28	
66	3.0	2.00	2.28	3.0	2.00	2.28	
68	3.0	2.00	2.28	3.0	2.00	2.28	
70	3.0	2.00	2.28	3.0	2.00	2.28	
72	3.0	2.00	2.28	3.0	2.00	2.28	
74	3.0	2.00	2.28	3.0	2.00	2.28	
76	3.0	2.00	2.28	3.0	2.00	2.28	
78	3.0	2.00	2.28	3.0	2.00	2.28	
80	3.0	2.00	2.28	3.0	2.00	2.28	
82	3.0	2.00	2.28	3.0	2.00	2.28	
84	3.0	2.00	2.28	3.0	2.00	2.28	
86	3.0	2.00	2.28	3.0	2.00	2.28	
88	3.0	2.00	2.28	3.0	2.00	2.28	
90	3.0	2.00	2.28	3.0	2.00	2.28	
92	3.0	2.00	2.28	3.0	2.00	2.28	
94	3.0	2.00	2.28	3.0	2.00	2.28	
96	3.0	2.00	2.28	3.0	2.00	2.28	
98	3.0	2.00	2.28	3.0	2.00	2.28	
100	3.0	2.00	2.28	3.0	2.00	2.28	

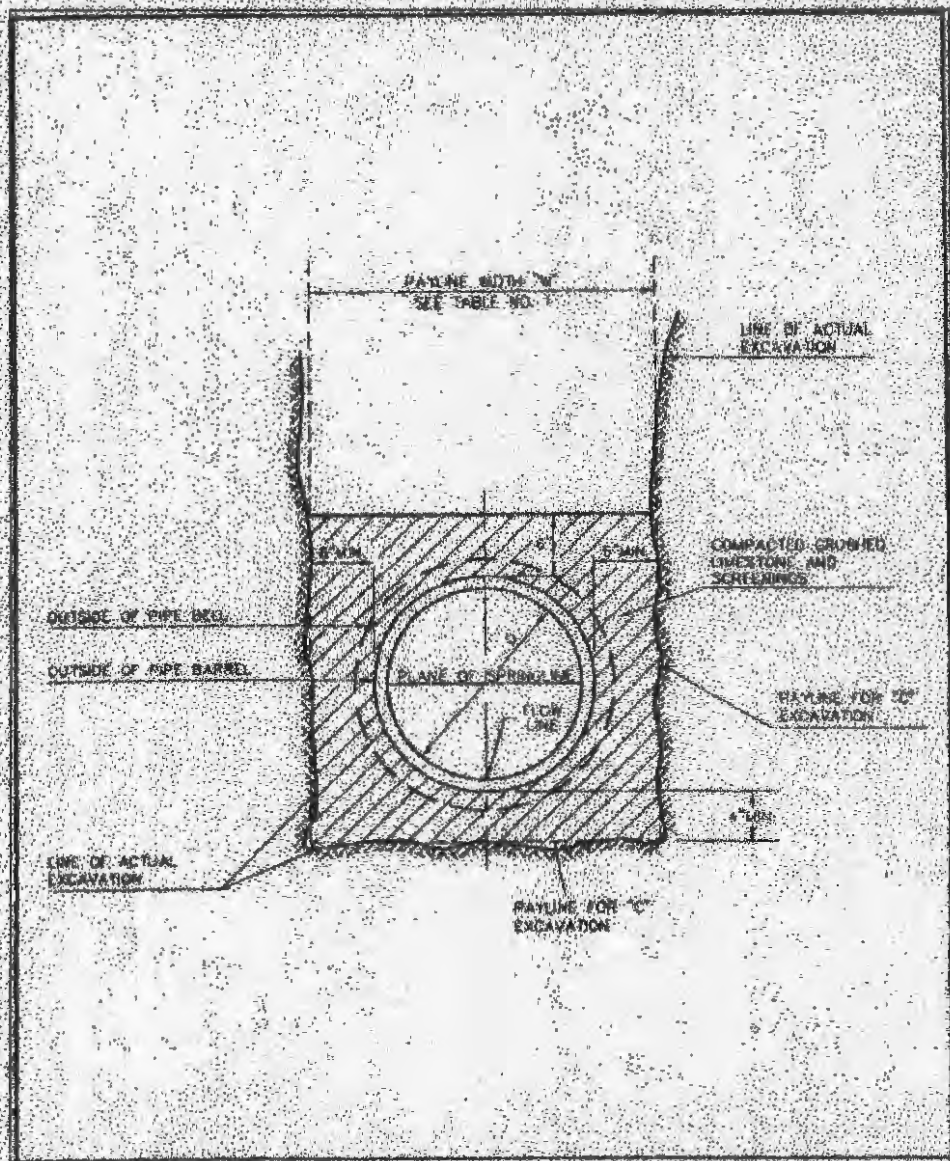
TABLE 1
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 1



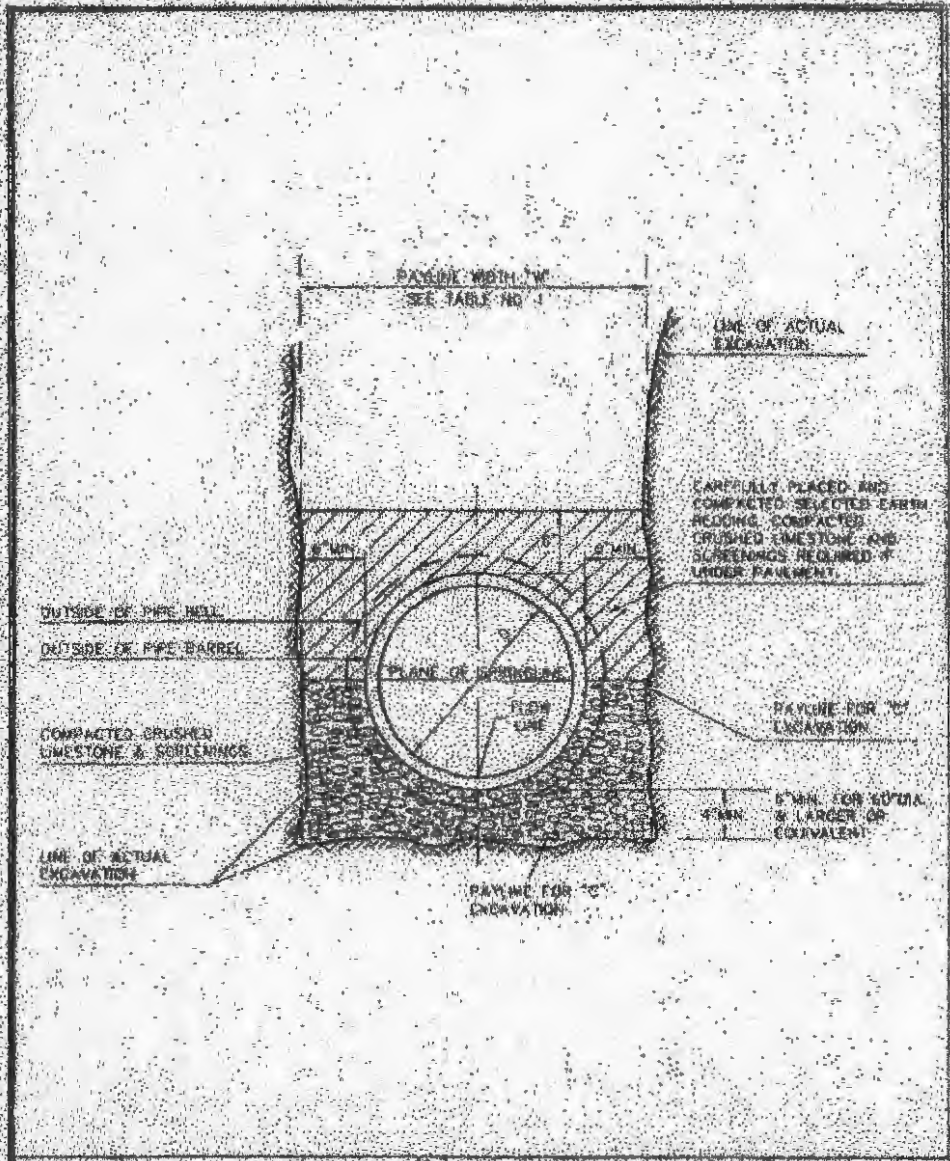
LIMITS FOR TRAPEZOIDAL CHANNEL
LIMITS FOR BOX CULVERT
LIMITS FOR VERTICAL WALL
LIMITS FOR PIPE
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 2



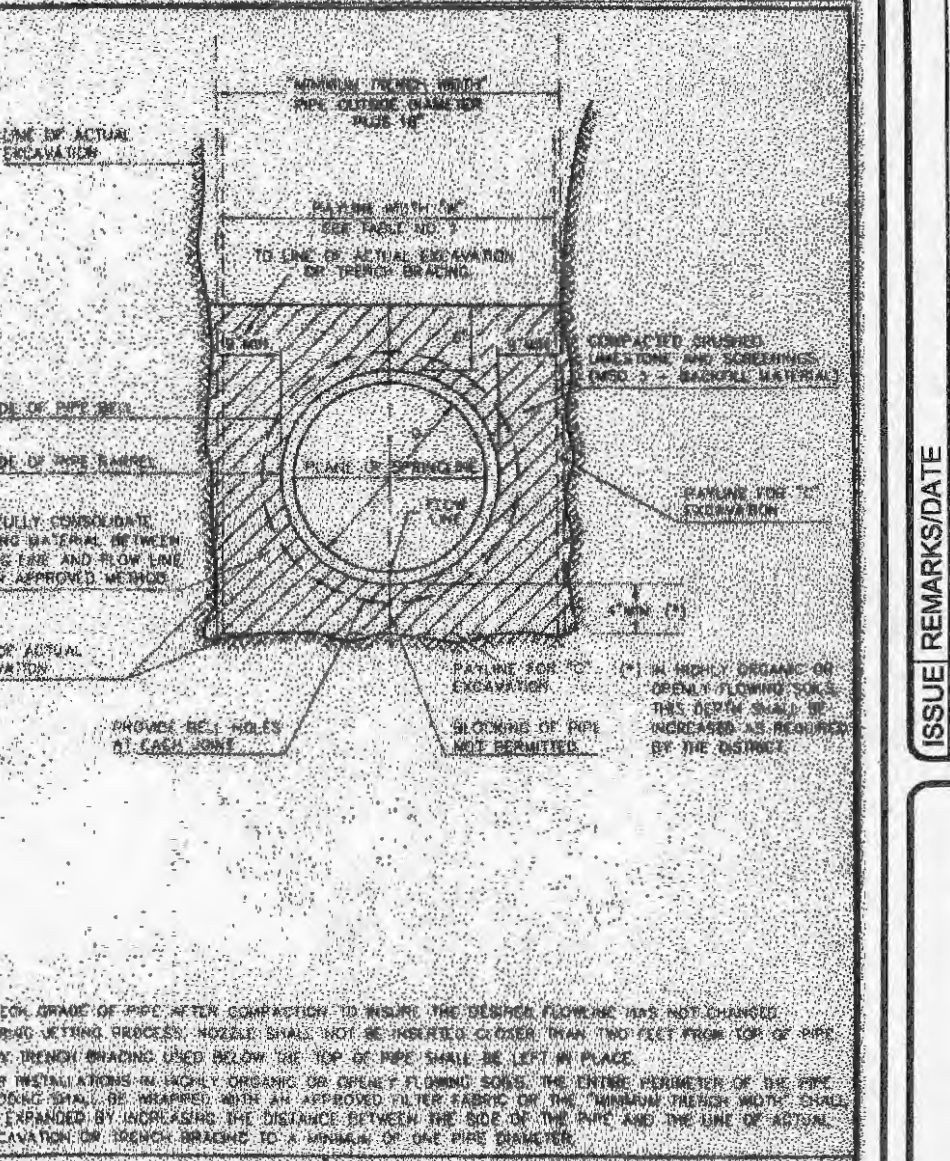
TYPICAL SILTATION CONTROL DEVICES
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 3



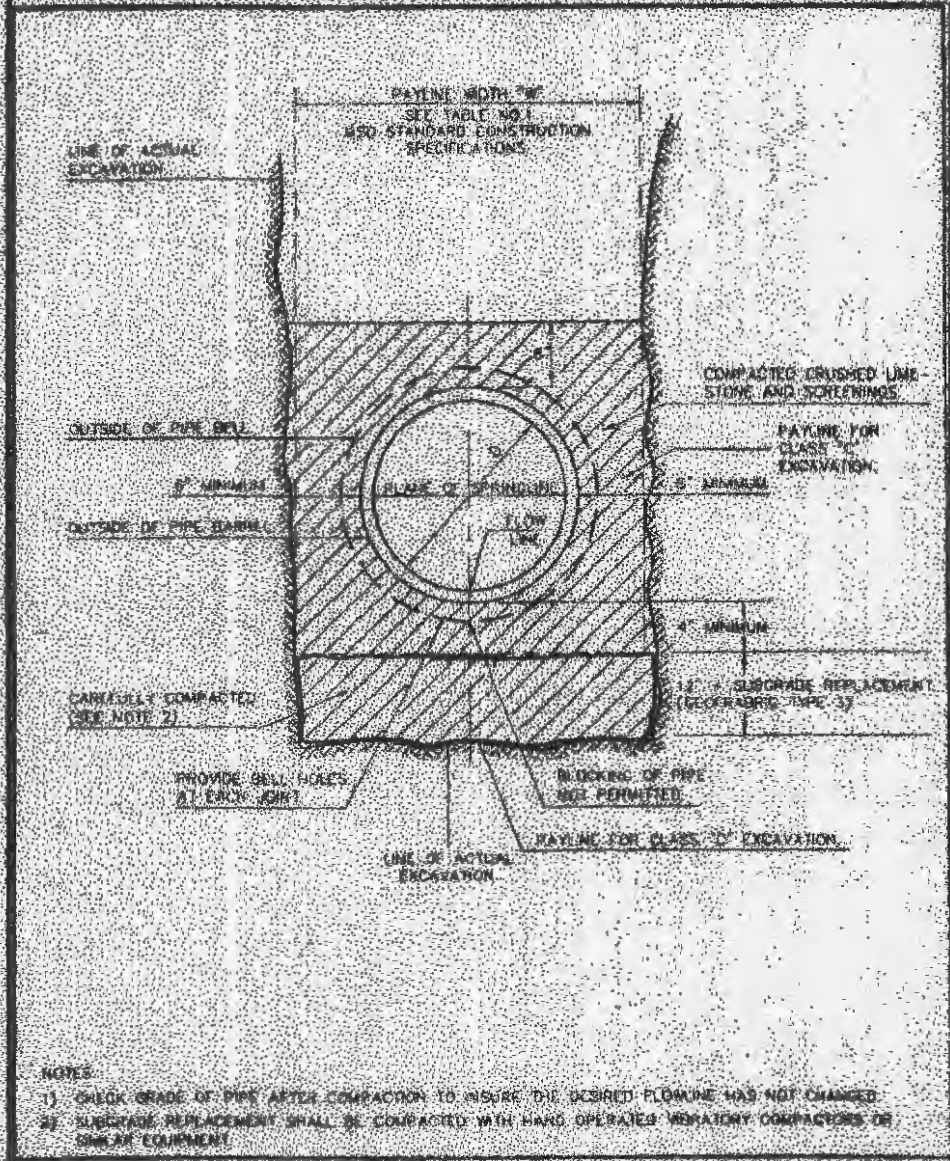
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 4



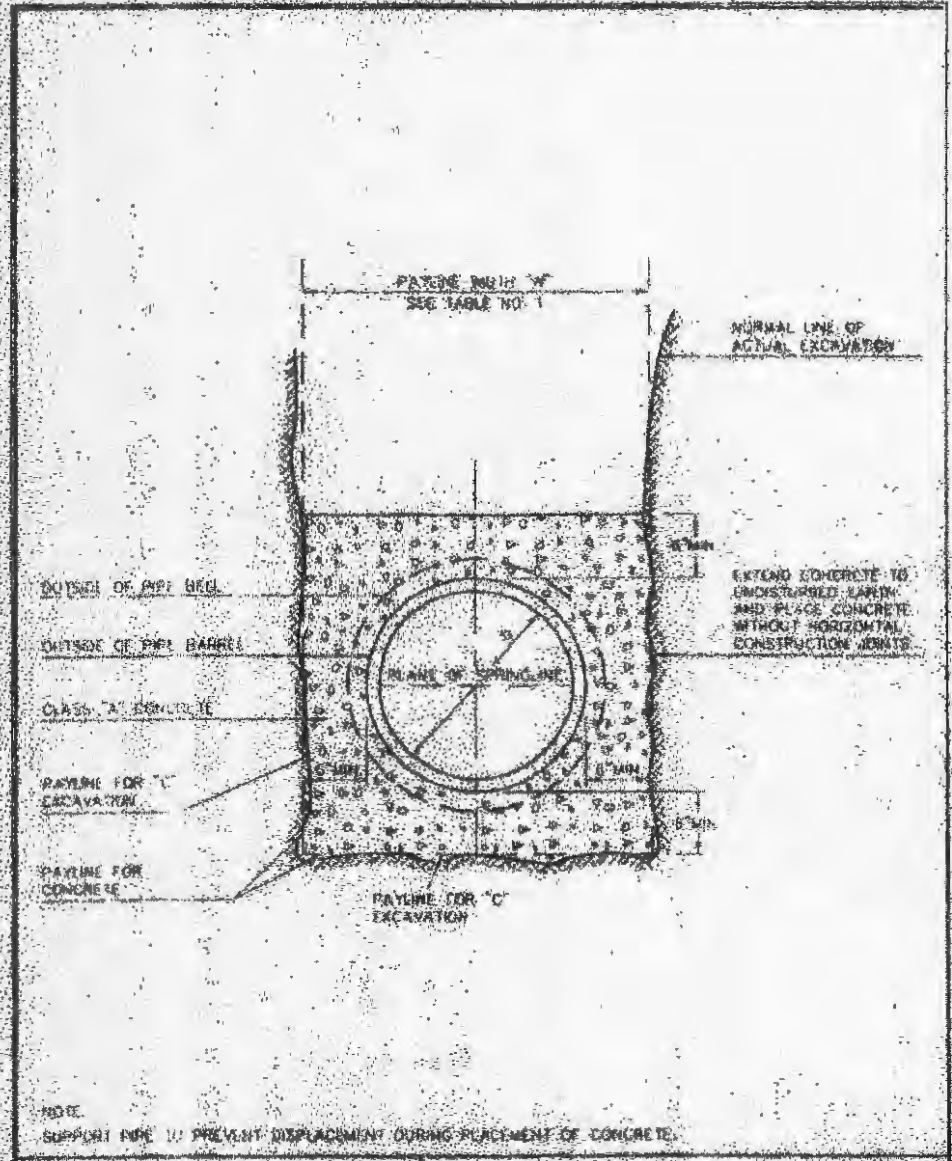
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 5



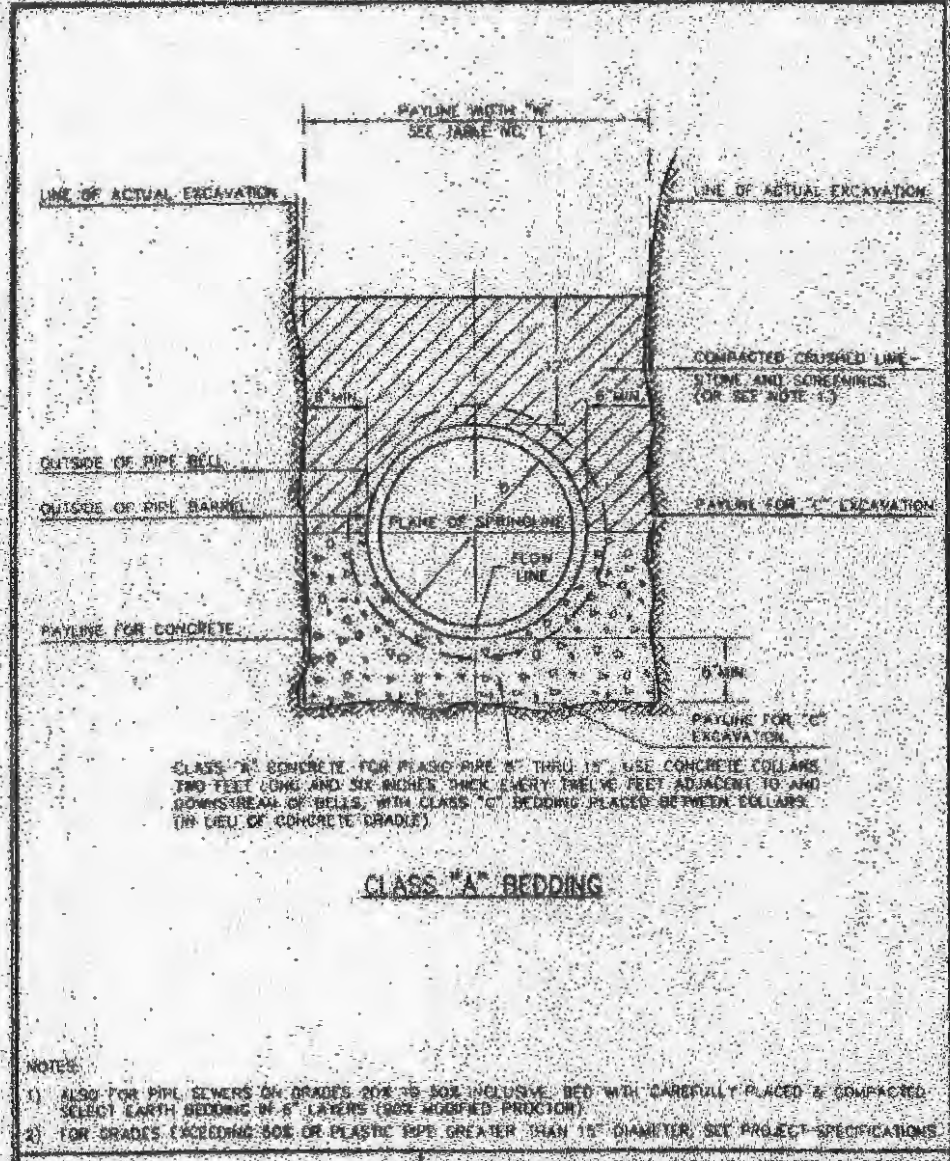
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 6



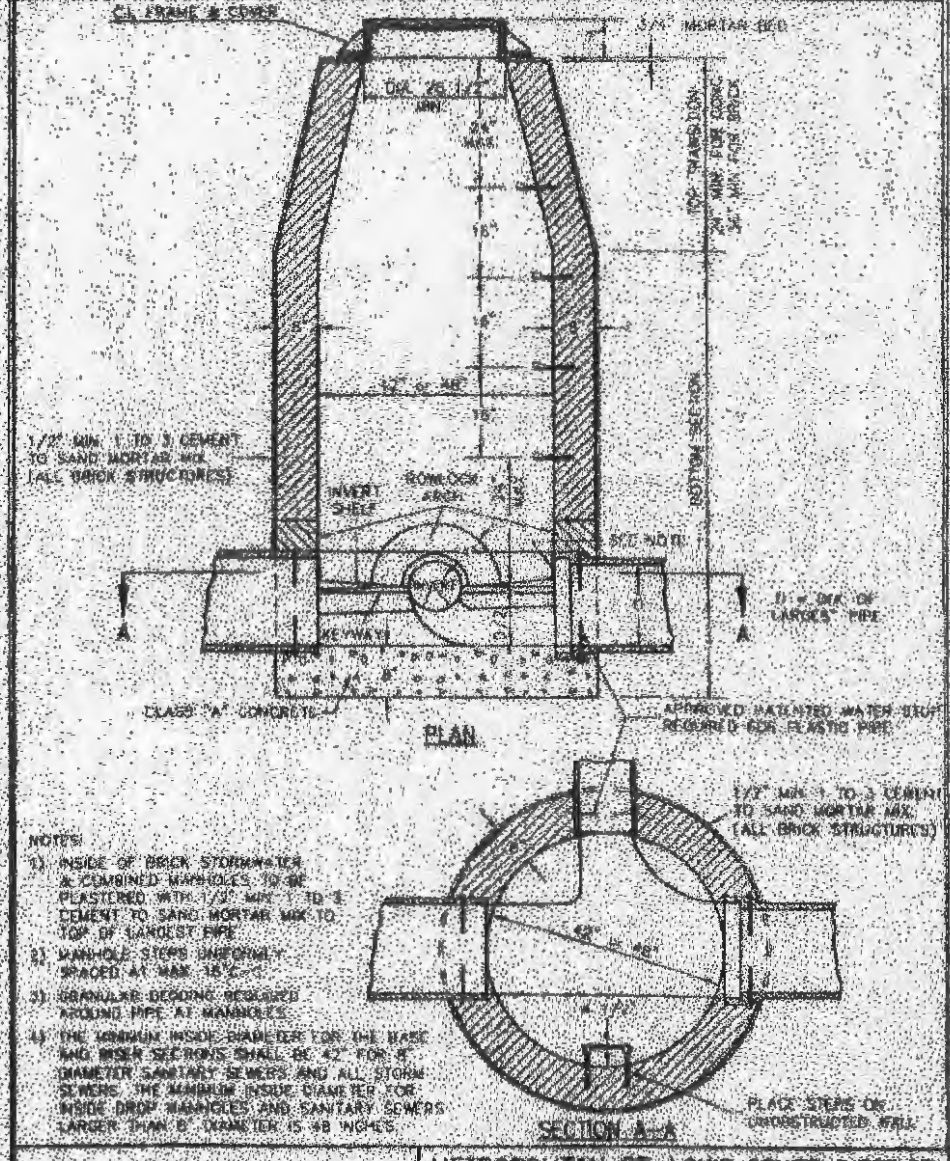
SPECIAL PIPE BEDDING DETAIL
FOR SUBGRADE REPLACEMENT 12" DEPTH OR MORE
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 7



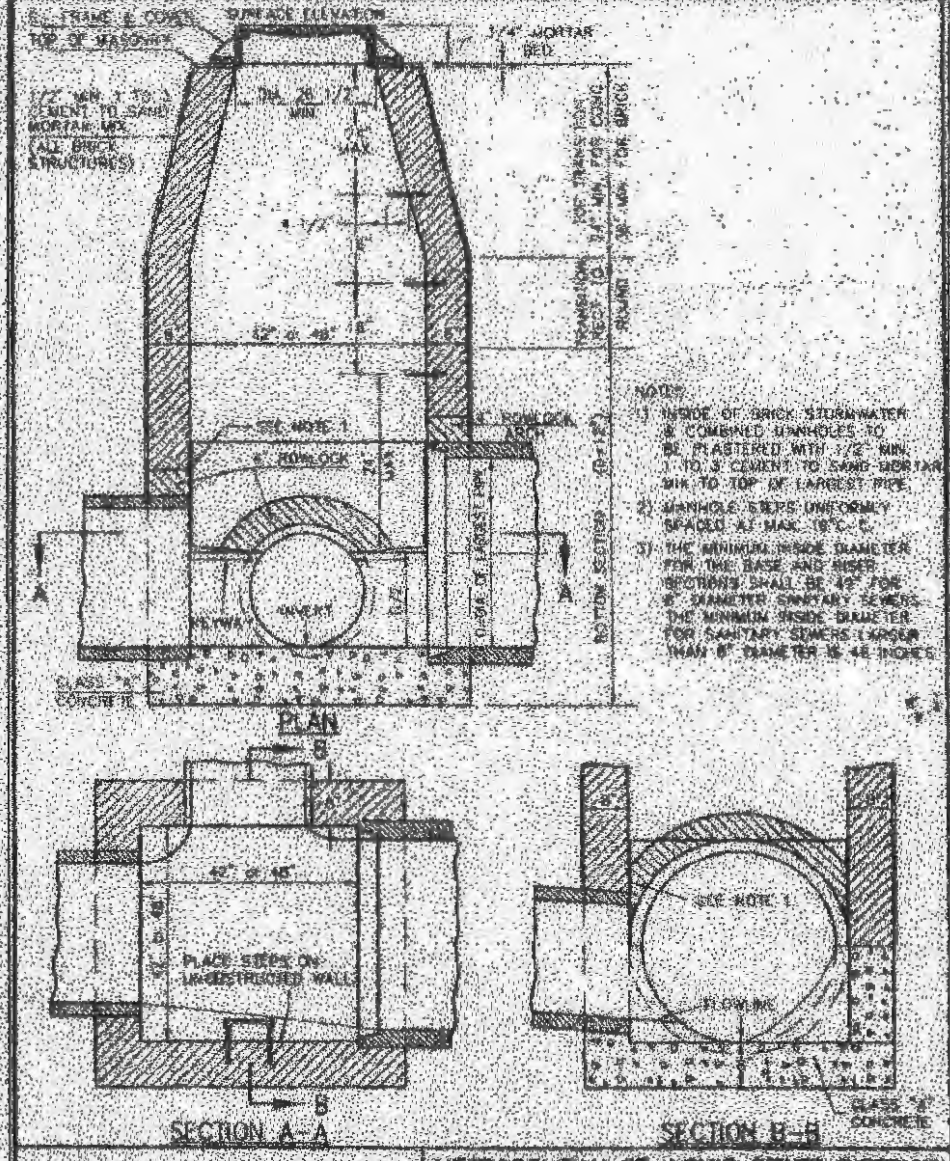
CONCRETE ENCASEMENT
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 8



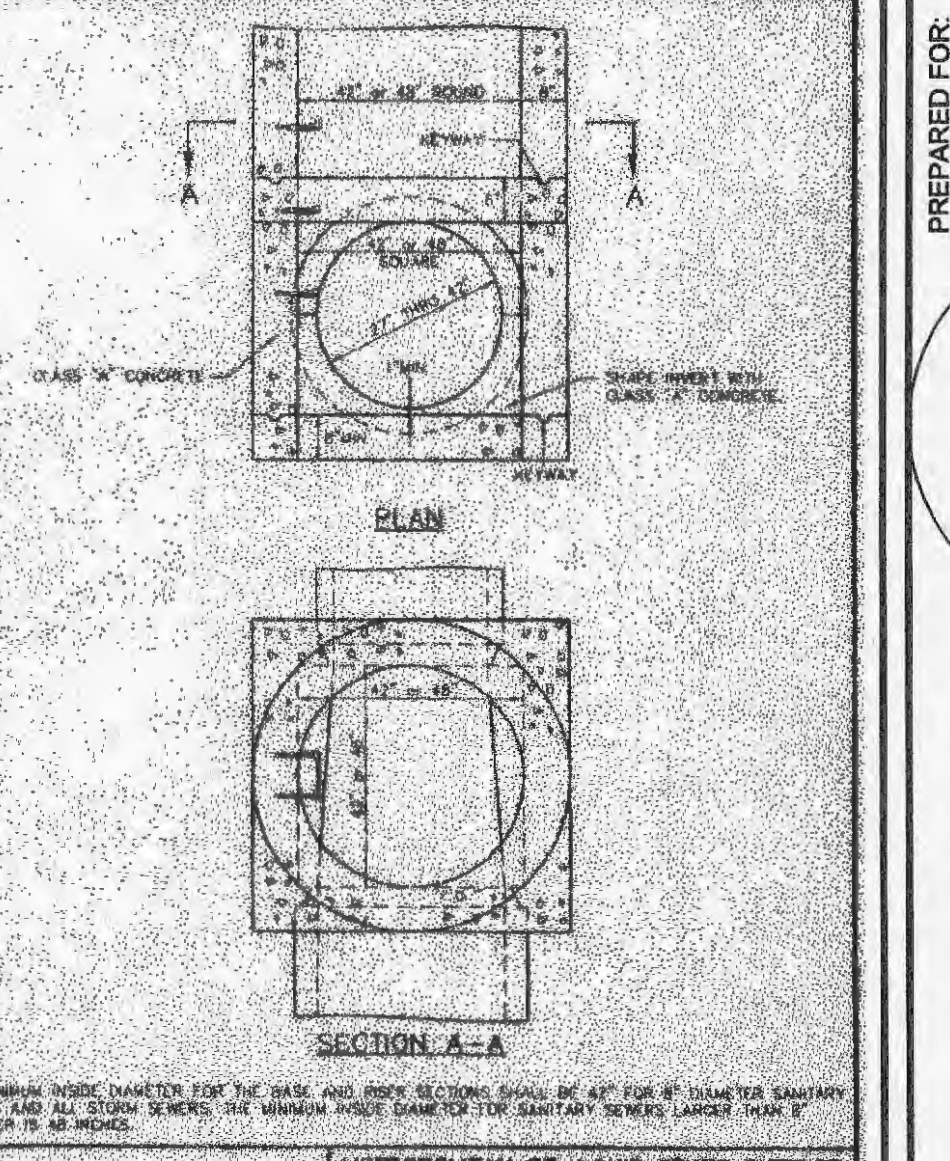
CONCRETE GRADE
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 9



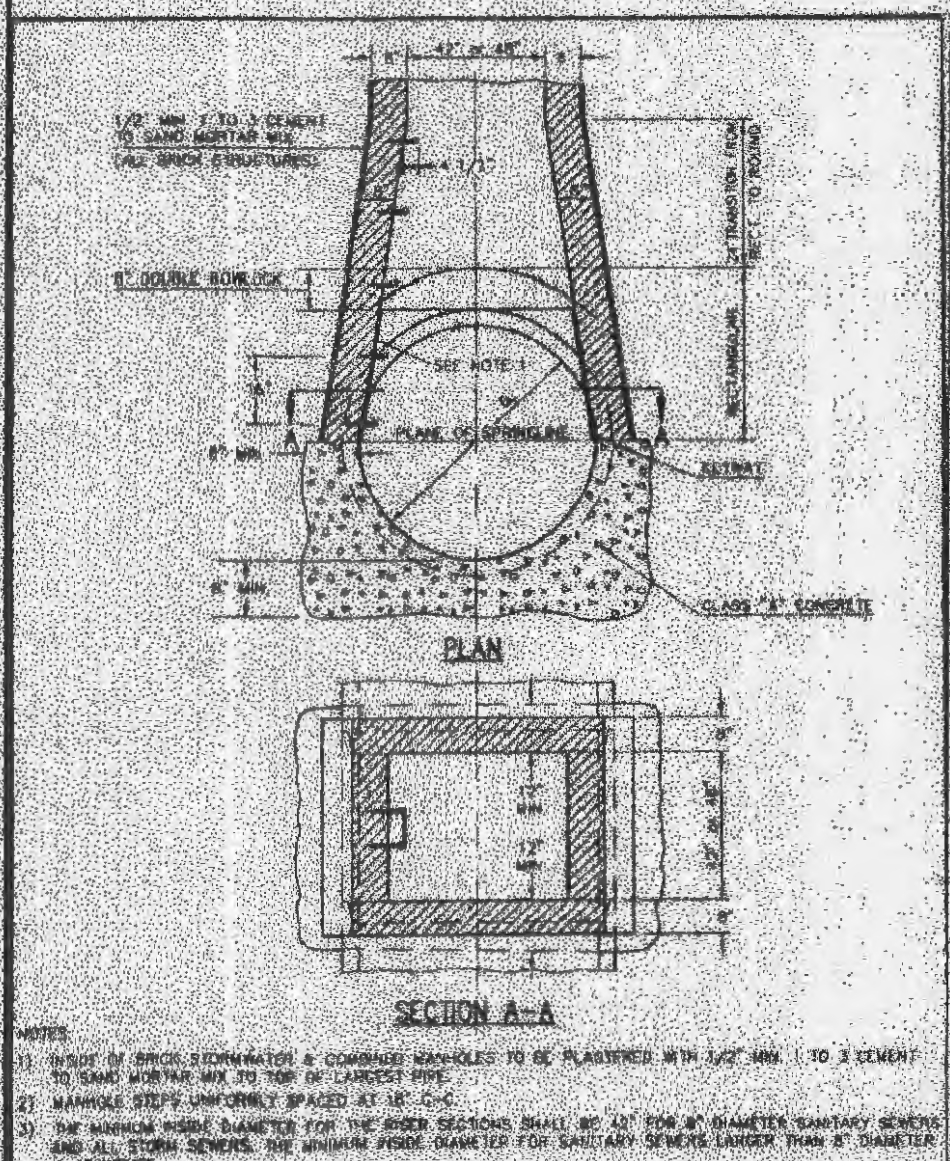
LINE MANHOLE
PIPE SEWERS 18" - 24" DIA.
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 10



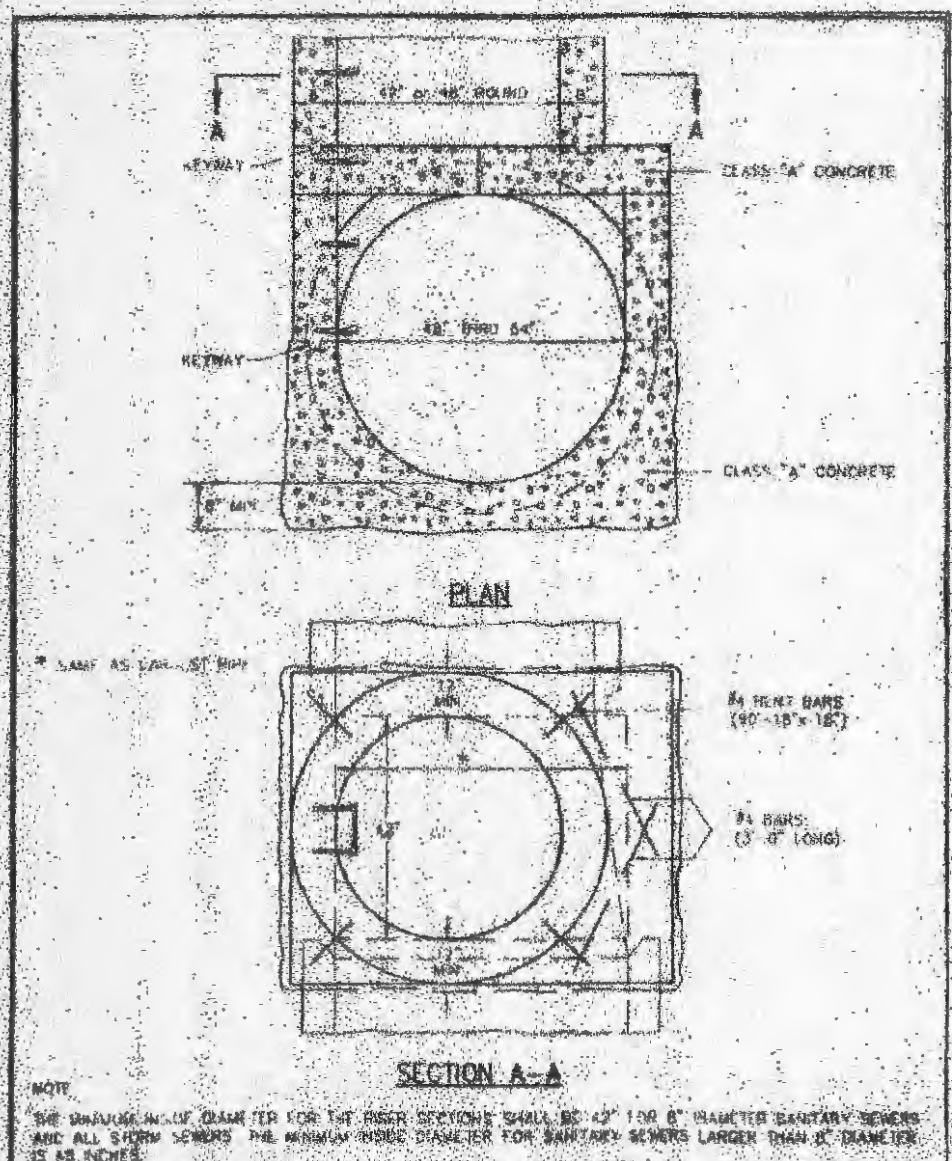
TYPICAL LINE MANHOLE
PIPE SEWERS 27" THRU 42" IN DIAMETER
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 11



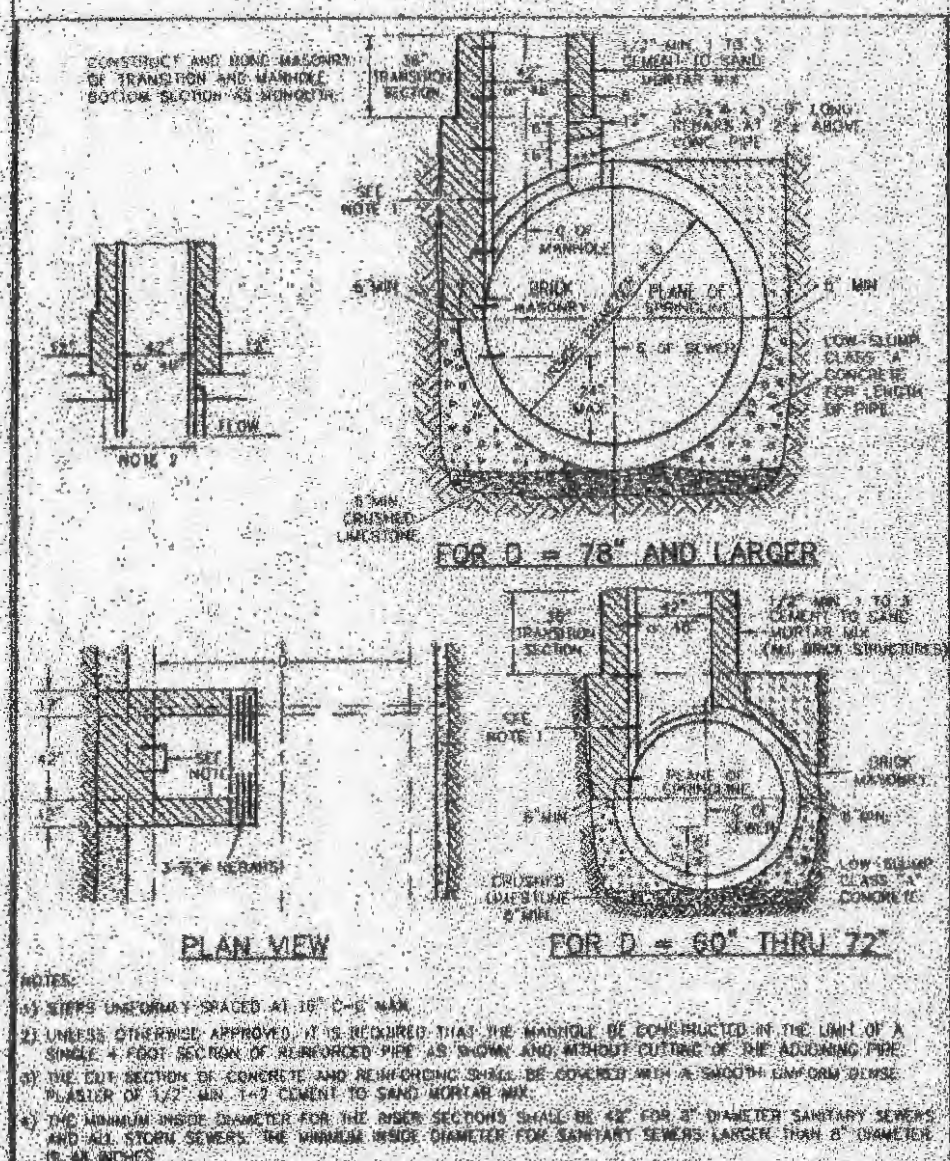
MANHOLE ON PIPE SEWER
PIPE SEWERS 27" THRU 42" (ALTERNATE)
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 12



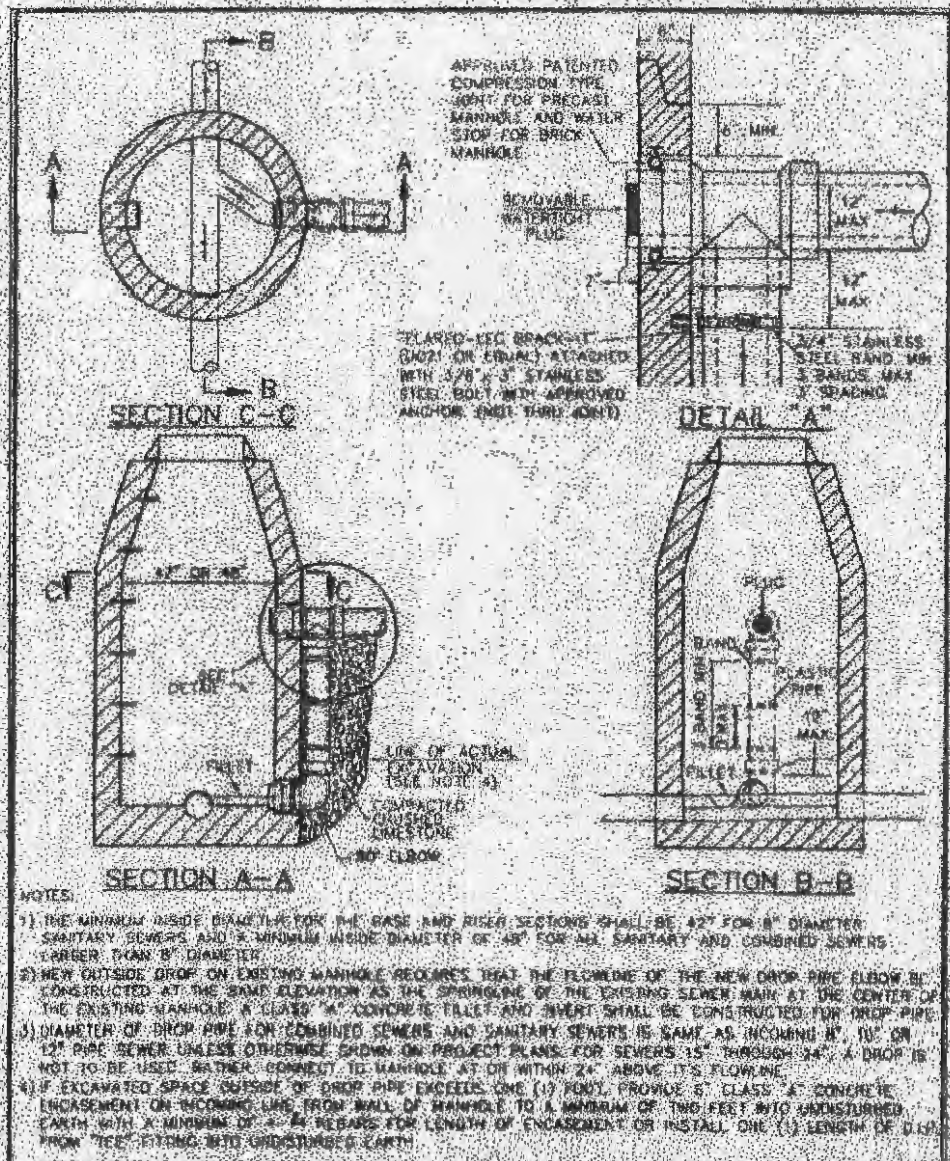
MANHOLE ON CONCRETE PIPE
PIPE SEWERS 48" THRU 54" DIAMETER
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 13



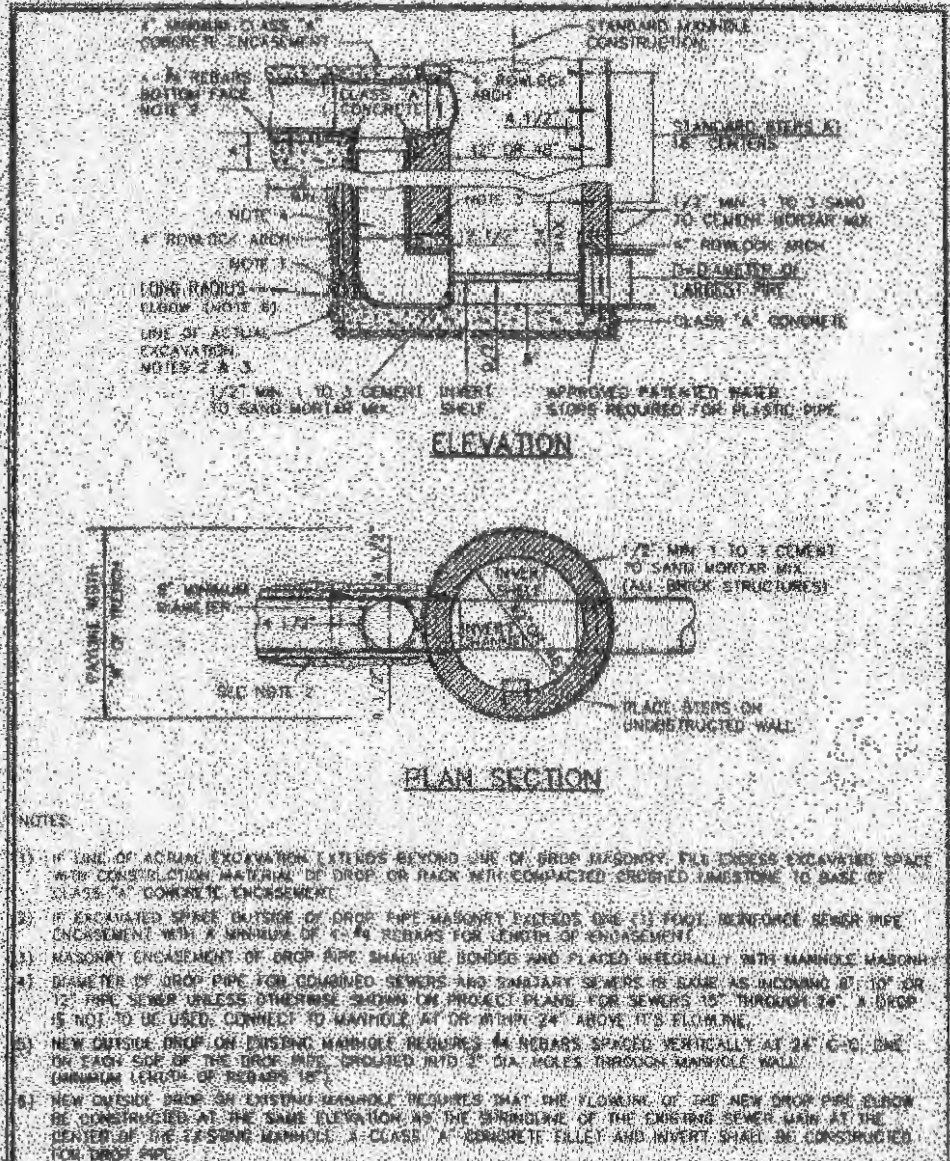
MANHOLE ON CONC. PIPE
48" THRU 54" (ALTERNATE)
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 14



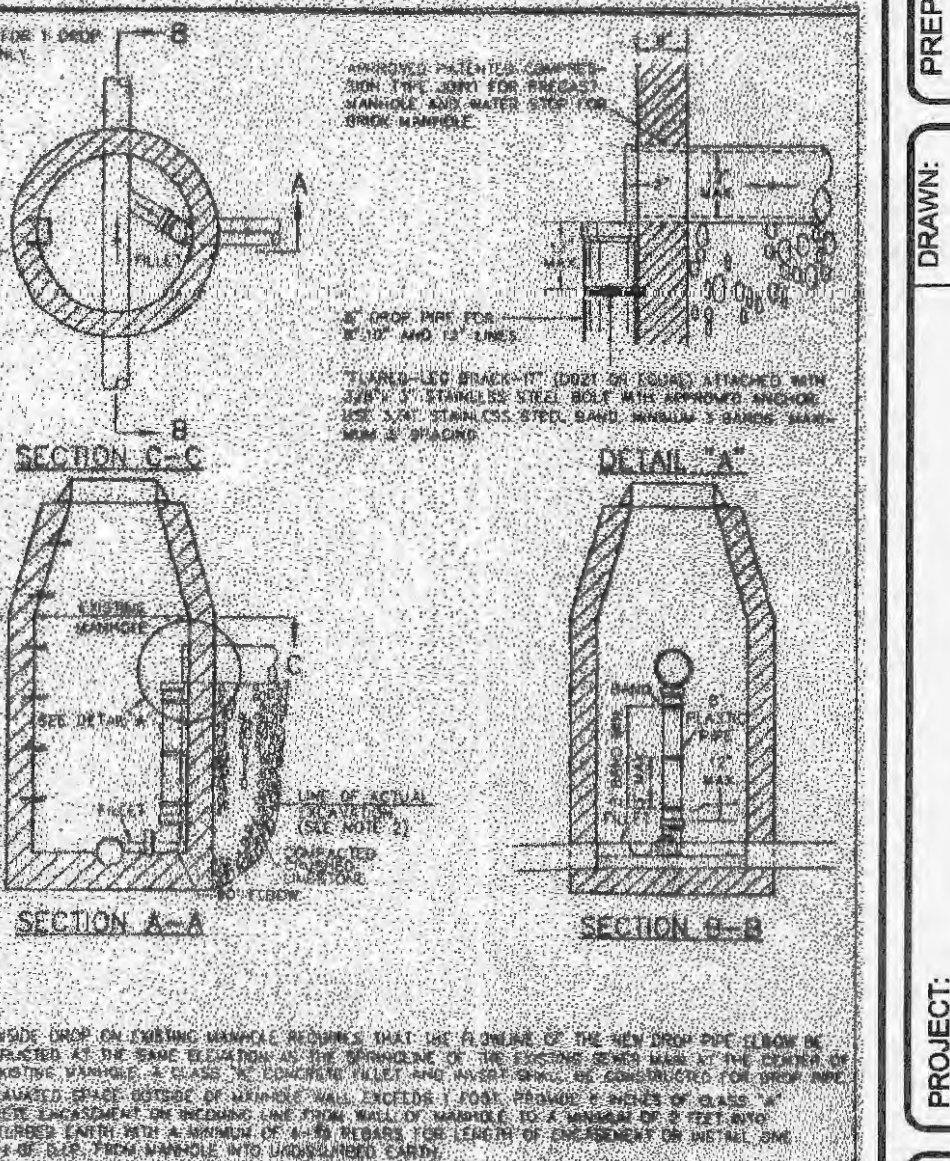
TYPICAL MANHOLE BASE
REINFORCED CONCRETE PIPE
SEWERS 60" AND LARGER IN DIAMETER
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 15



OUTSIDE FOOT WATER DROP MANHOLE
PIPE SEWERS 18" - 24" DIA.
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 16



OUTSIDE FOOT WATER DROP MANHOLE
PIPE SEWERS 27" THRU 42" IN DIAMETER
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 17



NEW INSIDE DROP ON EXISTING MANHOLE
PIPE SEWERS 6" INCH TO 12" INCH
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
D. W. S. H. / S. A. M. / C. J. C. 2000 SHEET 18

ISSUE REMARKS/DATE
1 11-14-02 1st Submittal

PREPARED FOR:
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(636) 637-2000

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5065 NEW BALTIMORE BLVD.
ST. LOUIS, MISSOURI 63120
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PROJECT: CONSTRUCTION DETAILS
DRAWN: R L A
DESIGNED: R L A
CHECKED: R L A
SHEET TITLE: CONSTRUCTION DETAILS

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