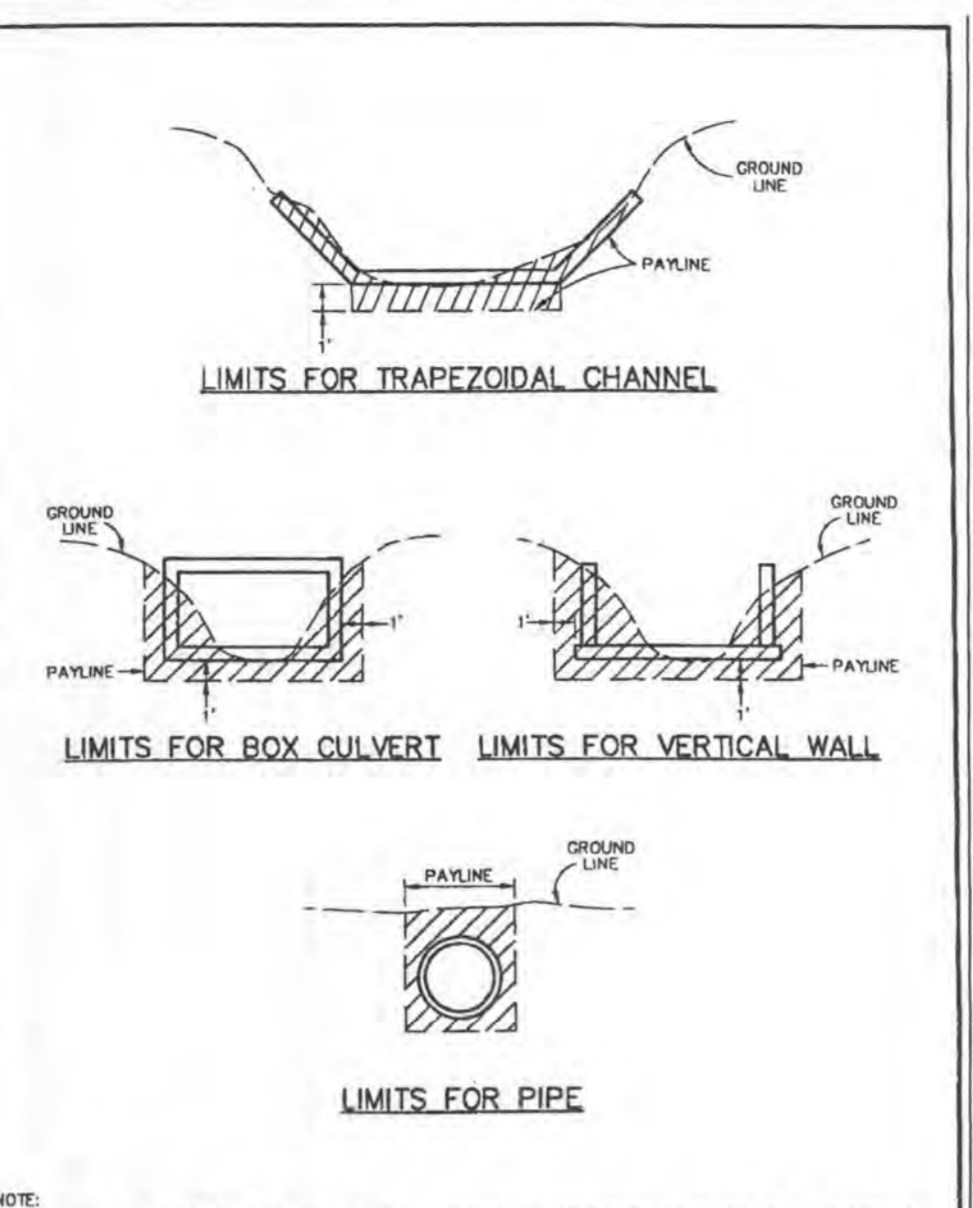


| ROUND PIPE | | | | HORIZONTAL ELLIPTICAL PIPE | | | |
|----------------------------------|--------------------------------------|------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
| INSIDE DIAMETER OF PIPE (INCHES) | "W" PAYLINE WIDTH OF TRENCH (INCHES) | "W" PAYLINE WIDTH OF TRENCH (FEET) | PAY-VOLUMES CU. FT. PER FT. OF PIPE | INSIDE DIMENSIONS OF PIPE (INCHES) | "W" PAYLINE WIDTH OF TRENCH (INCHES) | "W" PAYLINE WIDTH OF TRENCH (FEET) | PAY-VOLUMES CU. FT. PER FT. OF PIPE |
| 4 | 30 | 2.50 | 3.28 | | | | |
| 6 | 30 | 2.50 | 3.59 | | | | |
| 8 | 30 | 2.50 | 3.87 | | | | |
| 10 | 30 | 2.50 | 4.09 | | | | |
| 12 | 30 | 2.50 | 4.25 | | | | |
| 15 | 36 | 3.00 | 5.55 | | | | |
| 18 | 36 | 3.00 | 5.77 | 14 x 23 | 41 | 3.42 | 5.94 |
| 21 | 36 | 3.25 | 6.81 | | | | |
| 24 | 42 | 3.50 | 7.39 | 19 x 30 | 49 | 4.08 | 7.88 |
| 27 | 45 | 3.75 | 8.18 | 22 x 34 | 53 | 4.42 | 8.81 |
| 30 | 48 | 4.00 | 9.20 | 24 x 38 | 58 | 4.83 | 9.70 |
| 33 | 53 | 4.42 | 10.53 | 27 x 42 | 62 | 5.17 | 10.71 |
| 36 | 56 | 4.67 | 11.43 | 29 x 45 | 66 | 5.50 | 11.72 |
| 39 | DISCONTINUED | | | 32 x 49 | 71 | 5.92 | 13.14 |
| 42 | 63 | 5.25 | 13.38 | 34 x 53 | 75 | 6.25 | 14.05 |
| 48 | 70 | 5.83 | 15.67 | 38 x 60 | 83 | 6.92 | 16.18 |
| 54 | 77 | 6.42 | 18.15 | 43 x 68 | 92 | 7.67 | 18.81 |
| 60 | 84 | 7.00 | 20.73 | 48 x 76 | 101 | 8.42 | 21.59 |
| 66 | 91 | 7.58 | 23.45 | 53 x 83 | 109 | 9.08 | 24.35 |
| 72 | 98 | 8.17 | 26.37 | 58 x 91 | 118 | 9.83 | 27.45 |
| 78 | 105 | 8.75 | 29.30 | 63 x 98 | 126 | 10.50 | 30.50 |
| 84 | 112 | 9.33 | 32.57 | 68 x 106 | 135 | 11.25 | 33.91 |
| 90 | 119 | 9.92 | 35.60 | 72 x 113 | 143 | 11.92 | 36.99 |
| 96 | 126 | 10.50 | 38.37 | 77 x 121 | 152 | 12.67 | 40.69 |
| 102 | 133 | 11.08 | 42.99 | 82 x 128 | 160 | 13.33 | 44.45 |
| 108 | 140 | 11.67 | 46.75 | 87 x 136 | 168 | 14.00 | 47.79 |
| 114 | 147 | 12.25 | 50.66 | 92 x 143 | 176 | 14.67 | 51.70 |
| 120 | 154 | 12.83 | 54.72 | 97 x 151 | 185 | 15.42 | 56.01 |
| 126 | 161 | 13.42 | 58.92 | | | | |
| 132 | 168 | 14.00 | 63.27 | 106 x 168 | 202 | 16.83 | 64.48 |
| 144 | 182 | 15.17 | 72.40 | 116 x 180 | 218 | 18.17 | 73.59 |

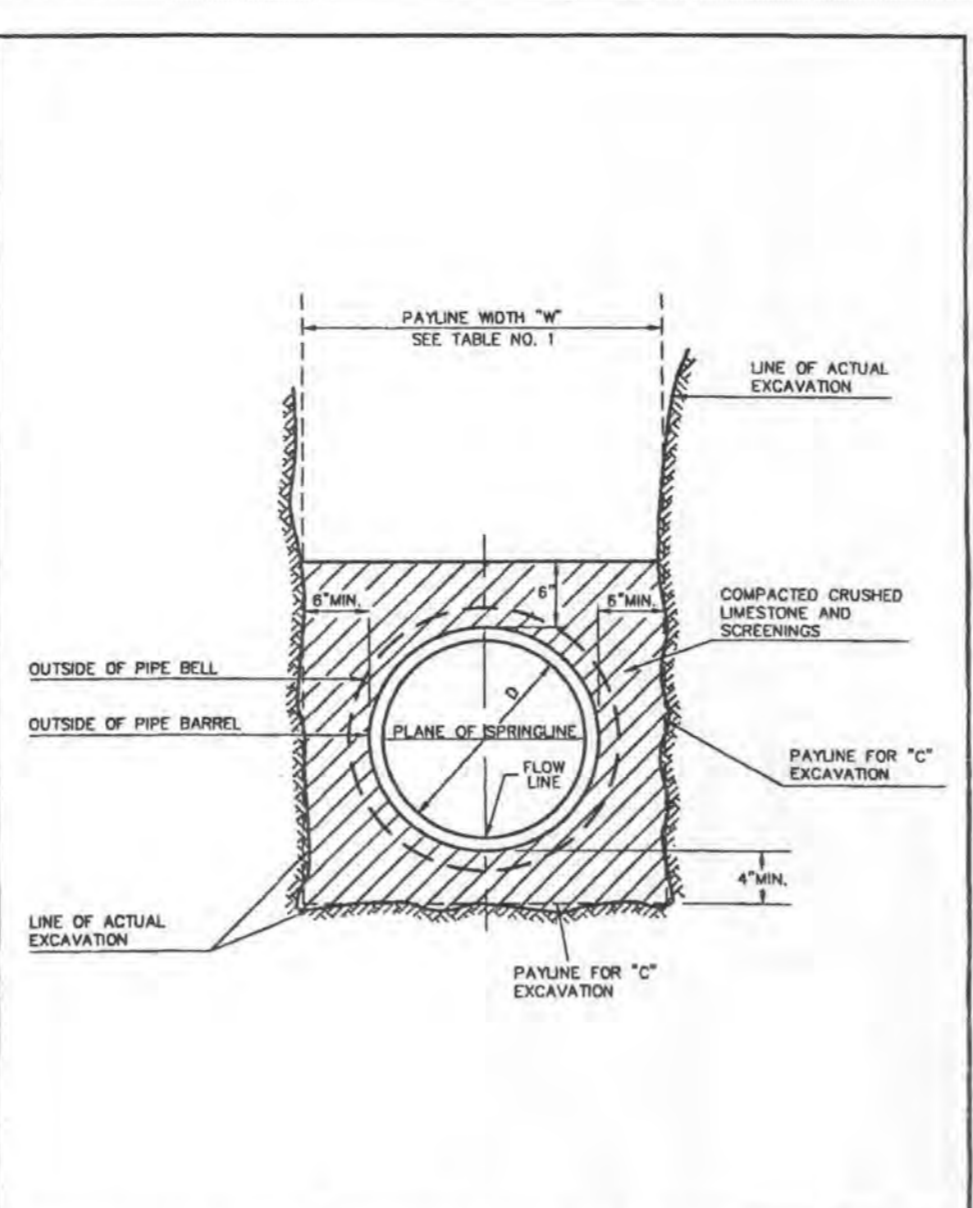
NOTE: PAYLINE FOR ANY OTHER TYPE OF CHANNEL EXCAVATION SHALL BE THE EXACT SHAPE OF THE SUBGRADE.

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

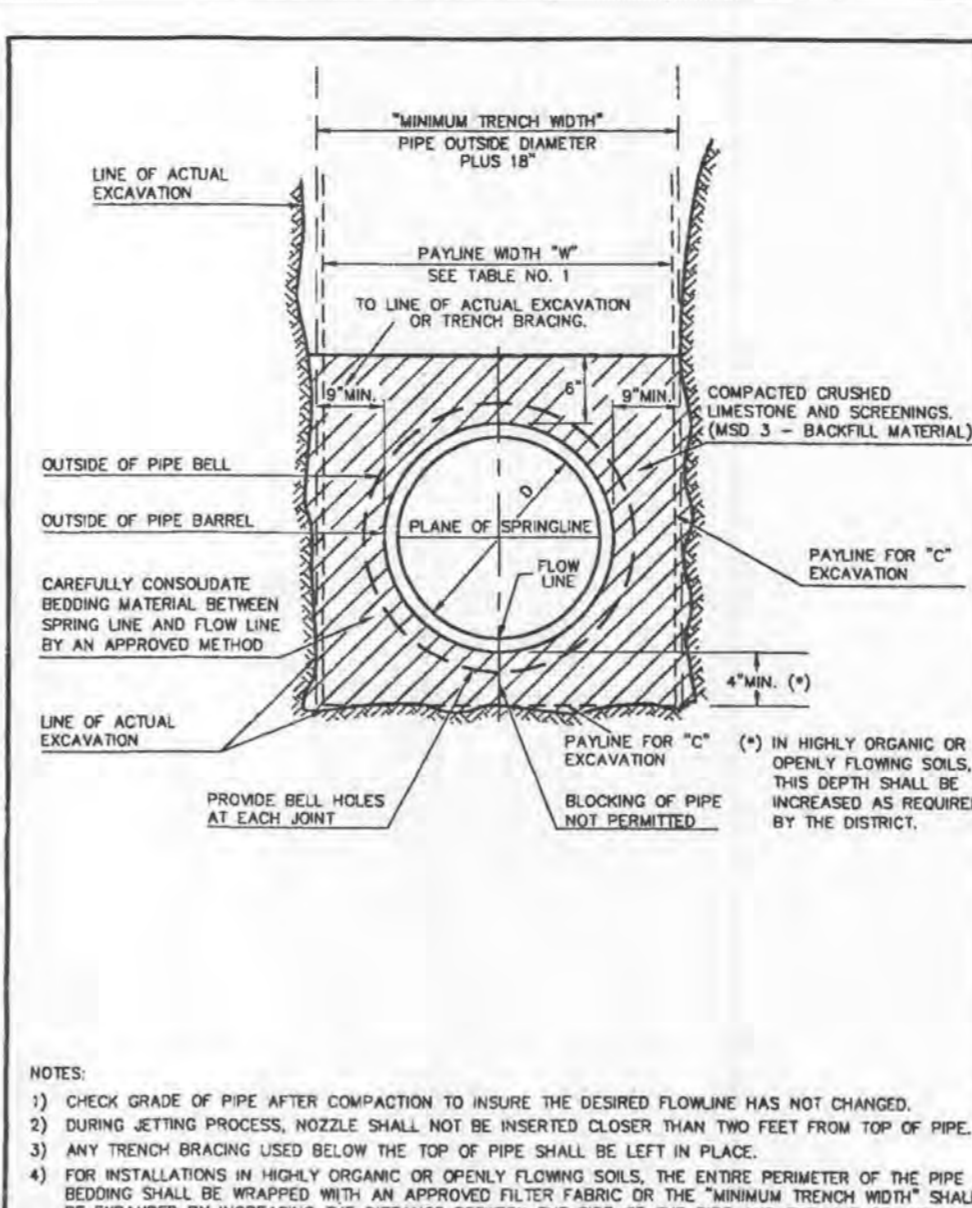
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 2000 SHEET 1



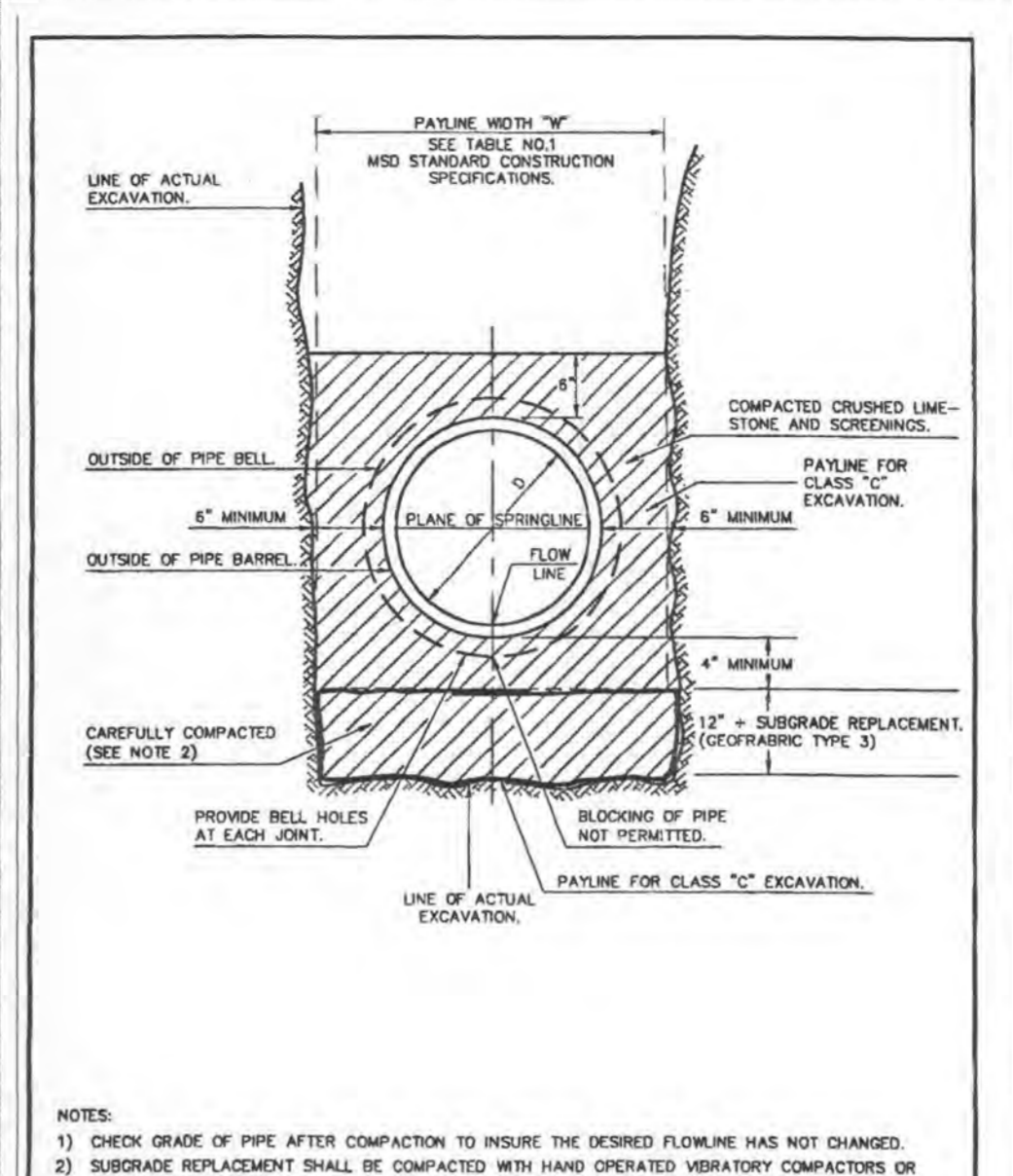
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 2000 SHEET 2



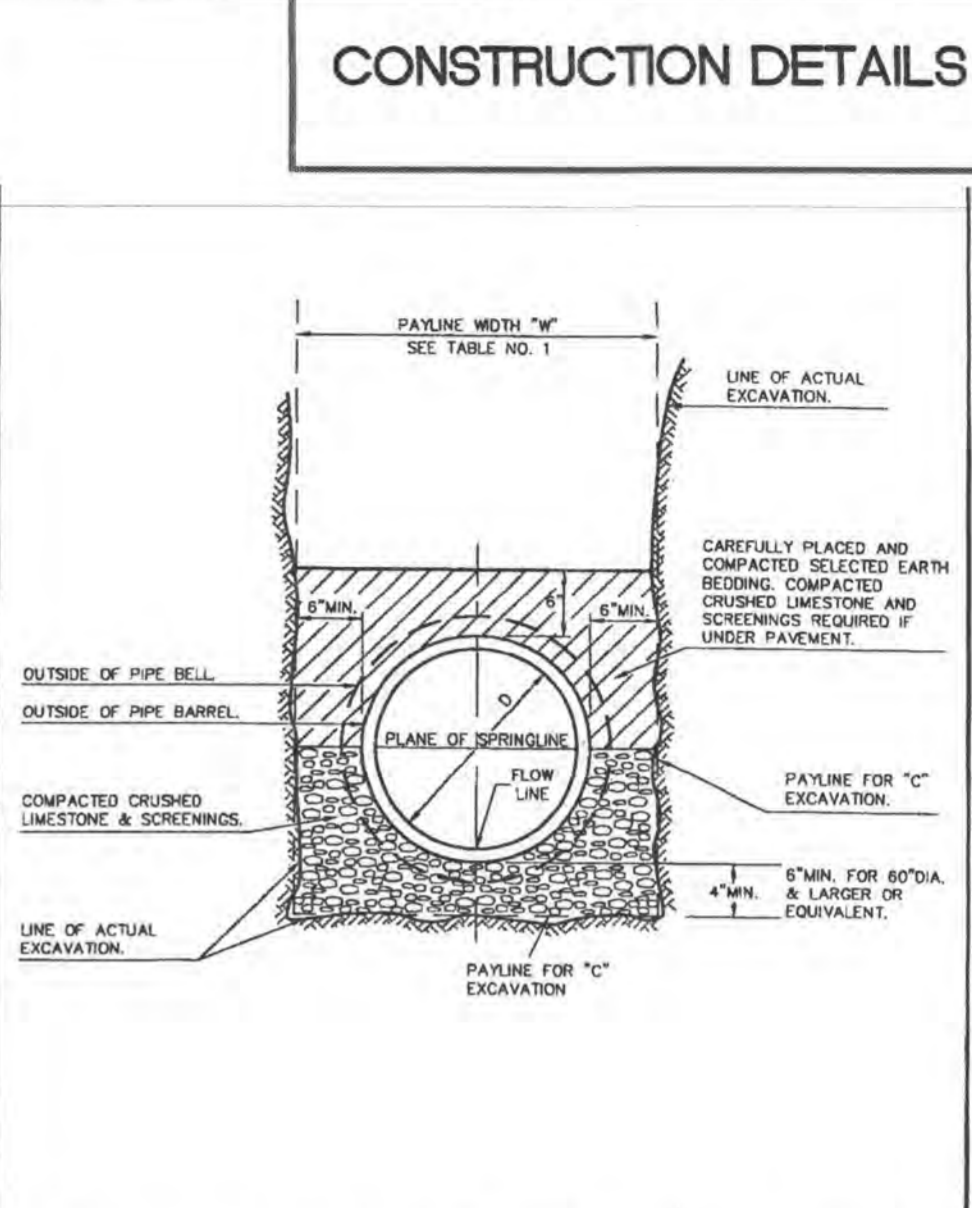
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 2000 SHEET 4



METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. P.T.K. Ch. D.R.M. 2000 SHEET 6

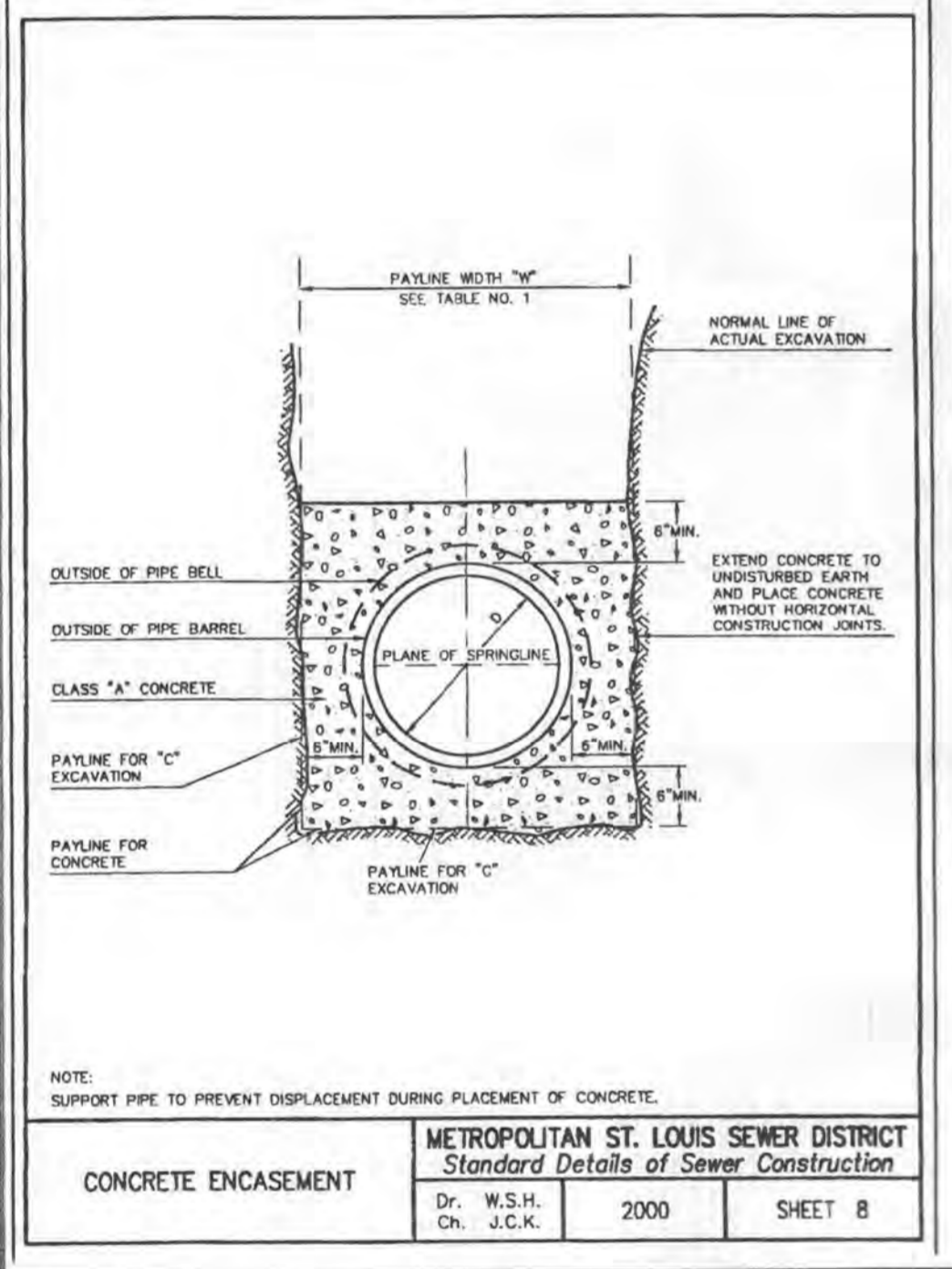


METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. S.A.M. Ch. P.W.S. 2000 SHEET 7

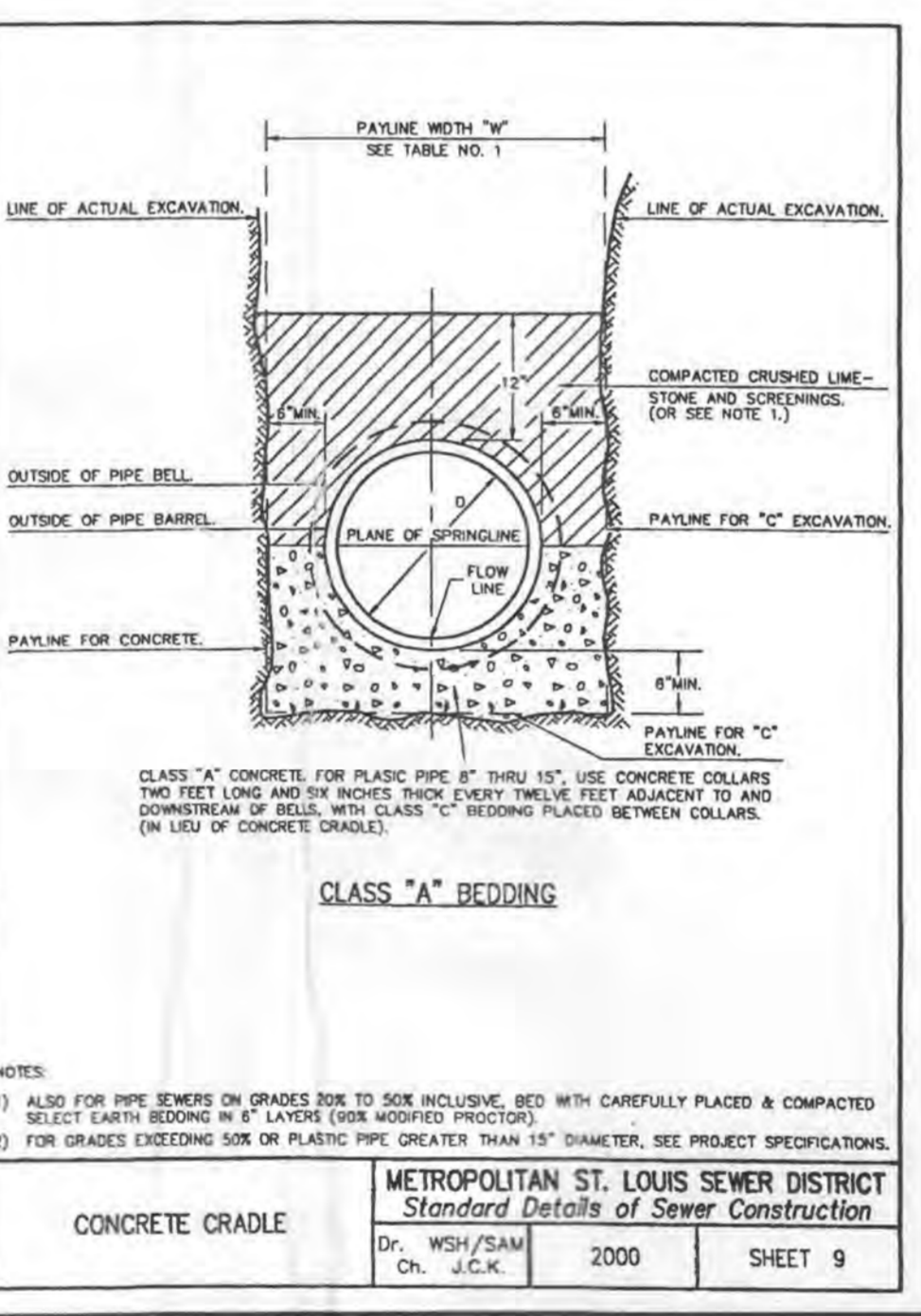


METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 2000 SHEET 5

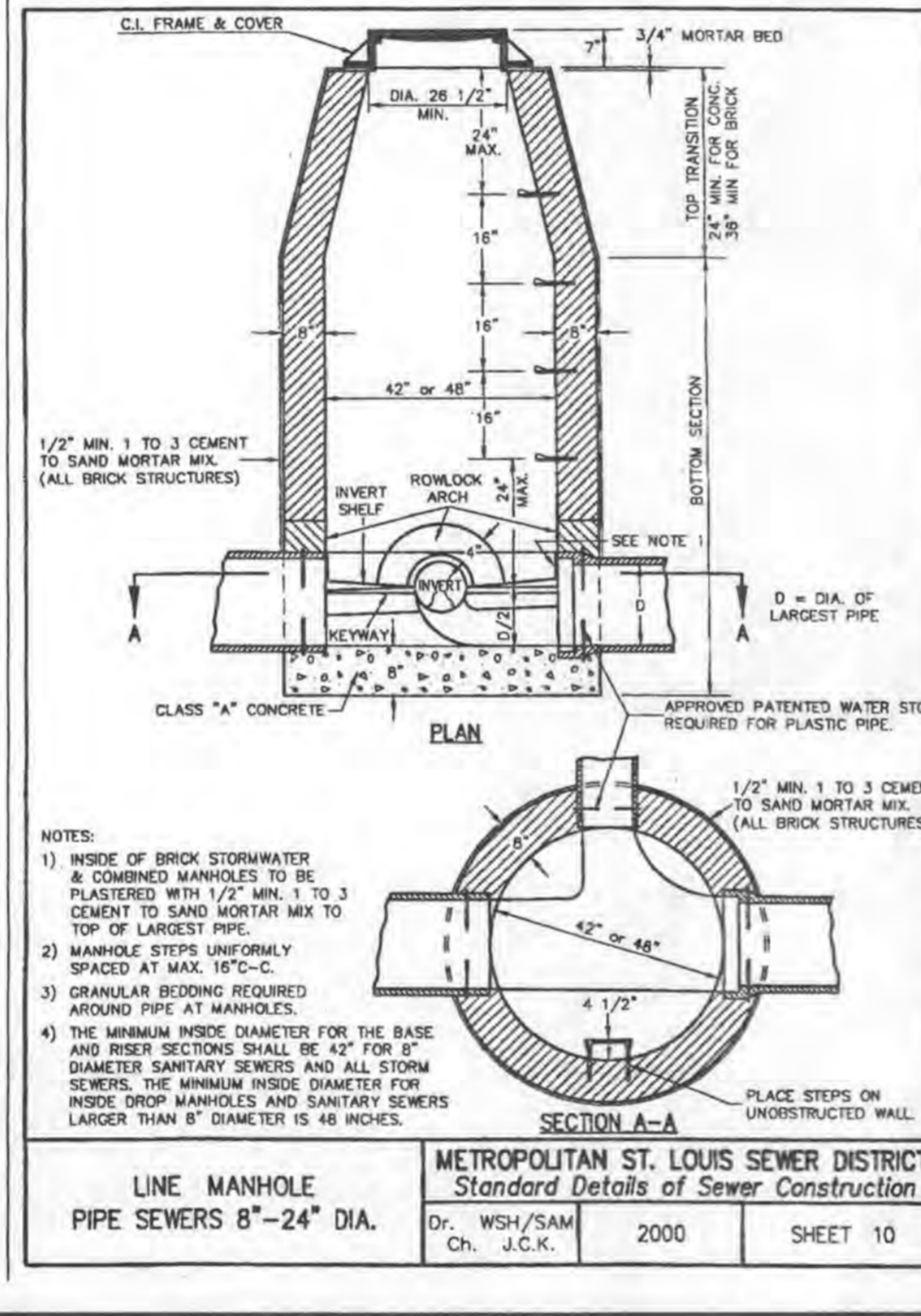
CONSTRUCTION DETAILS



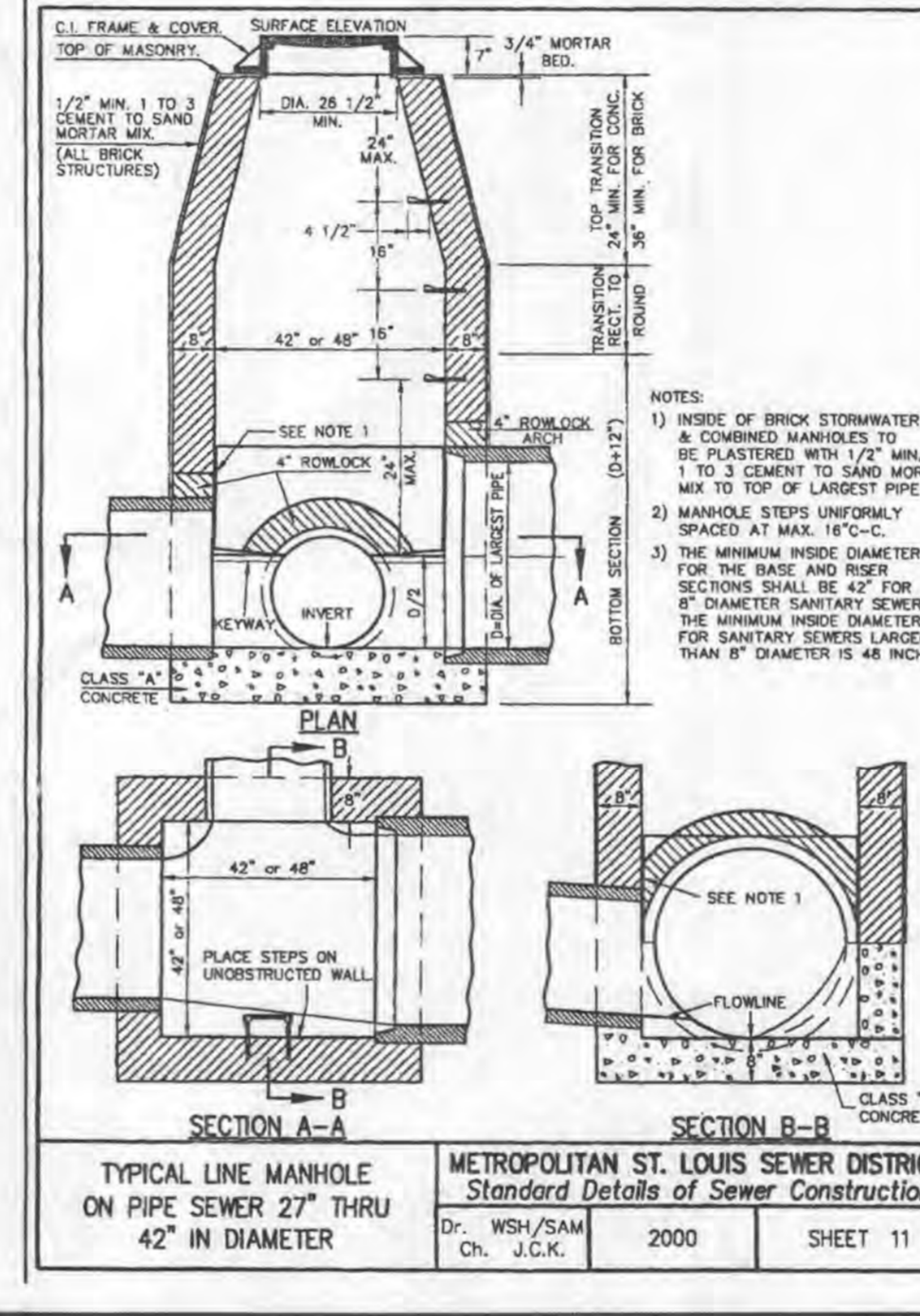
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H. Ch. J.C.K. 2000 SHEET 8



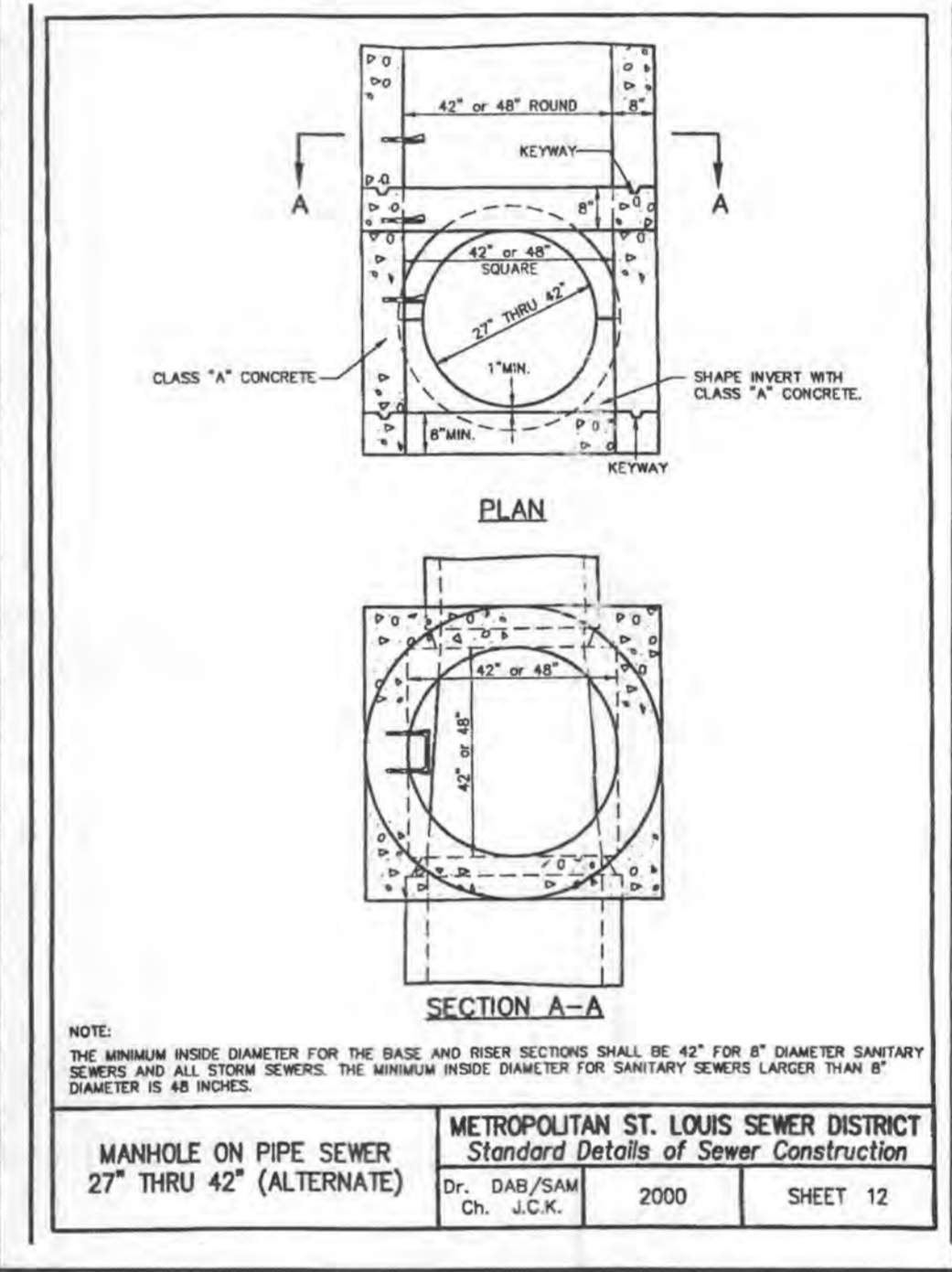
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Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 9



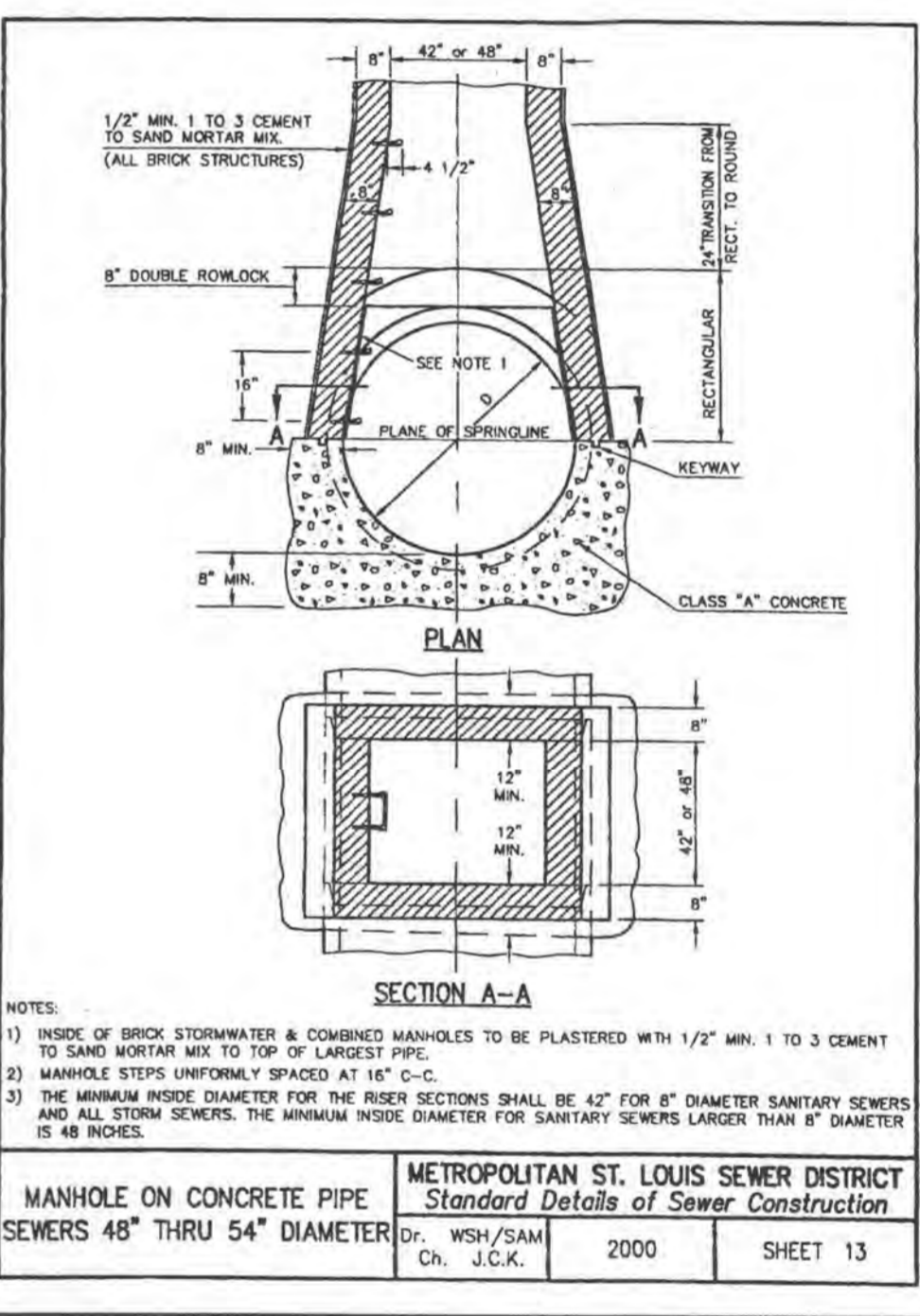
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 10



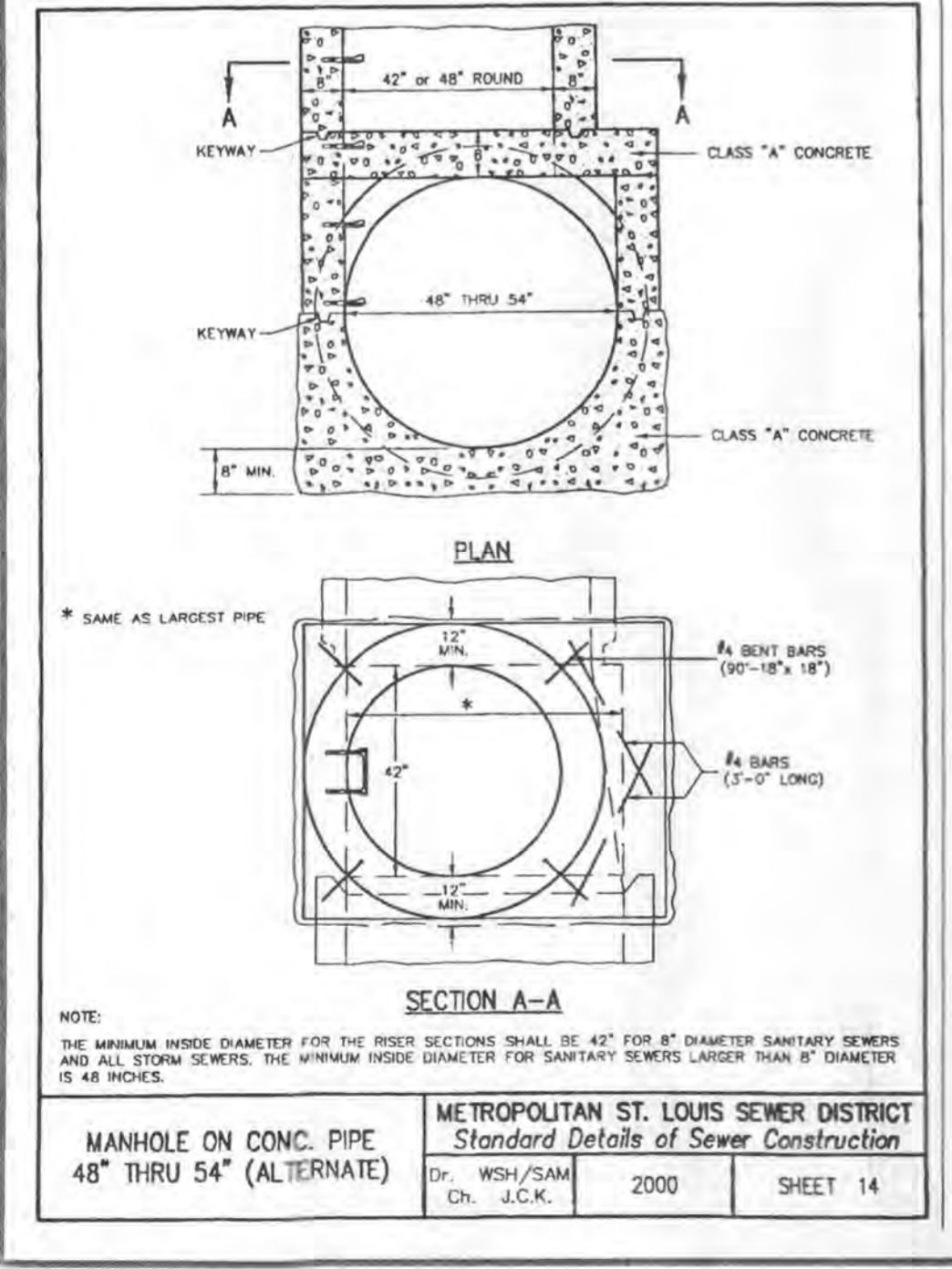
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Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 11



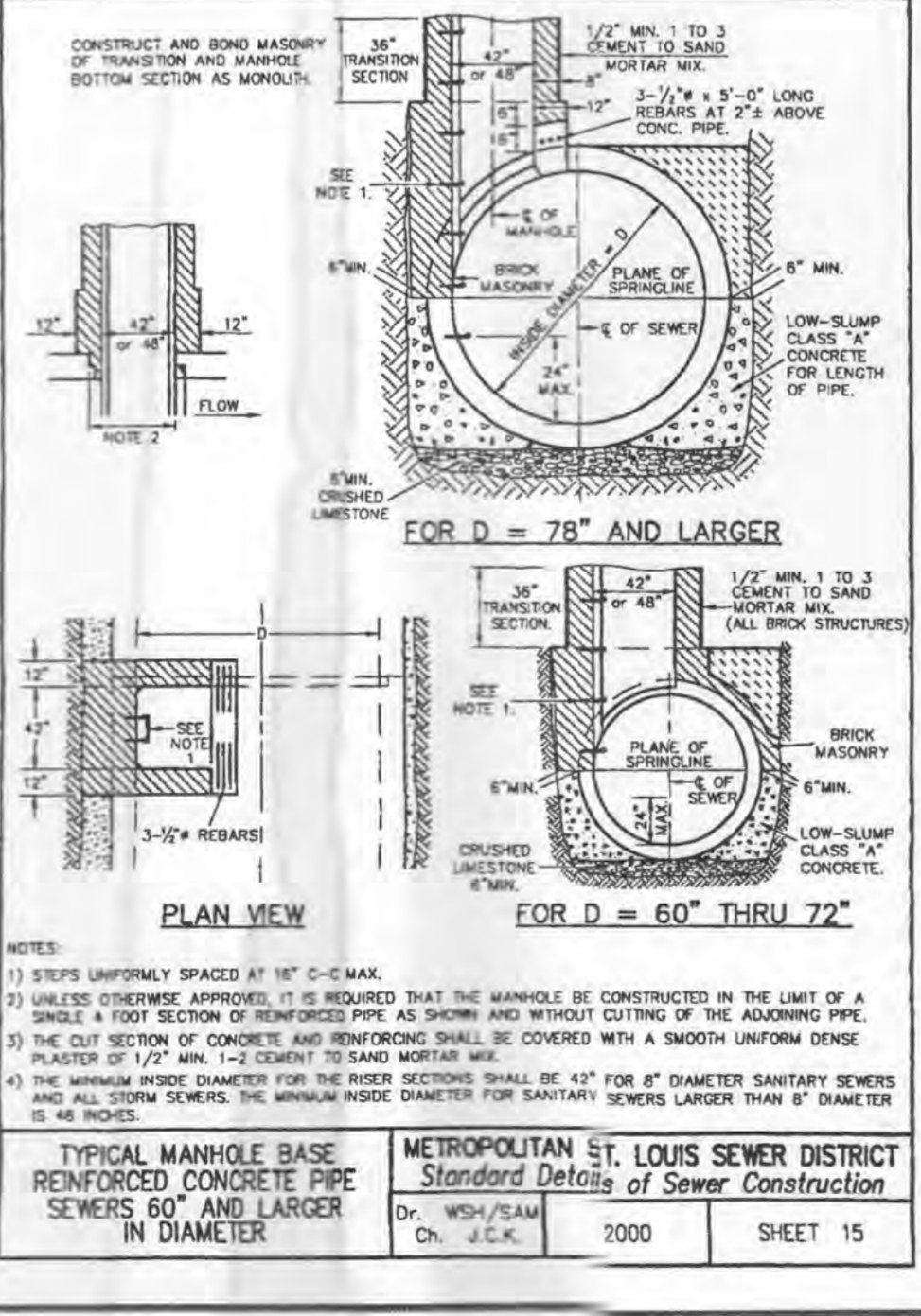
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. D.A.B./S.A.M. Ch. J.C.K. 2000 SHEET 12



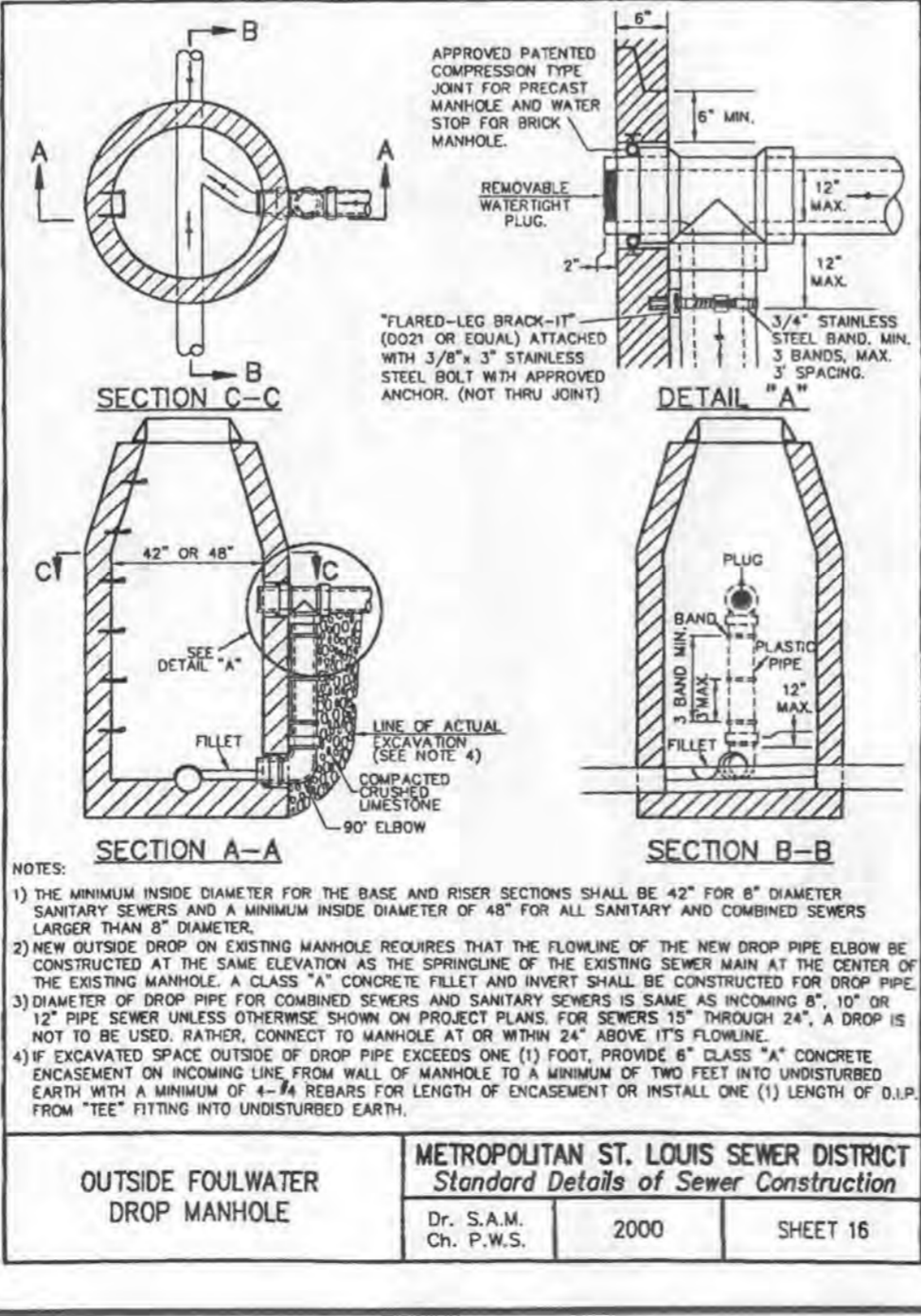
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 13



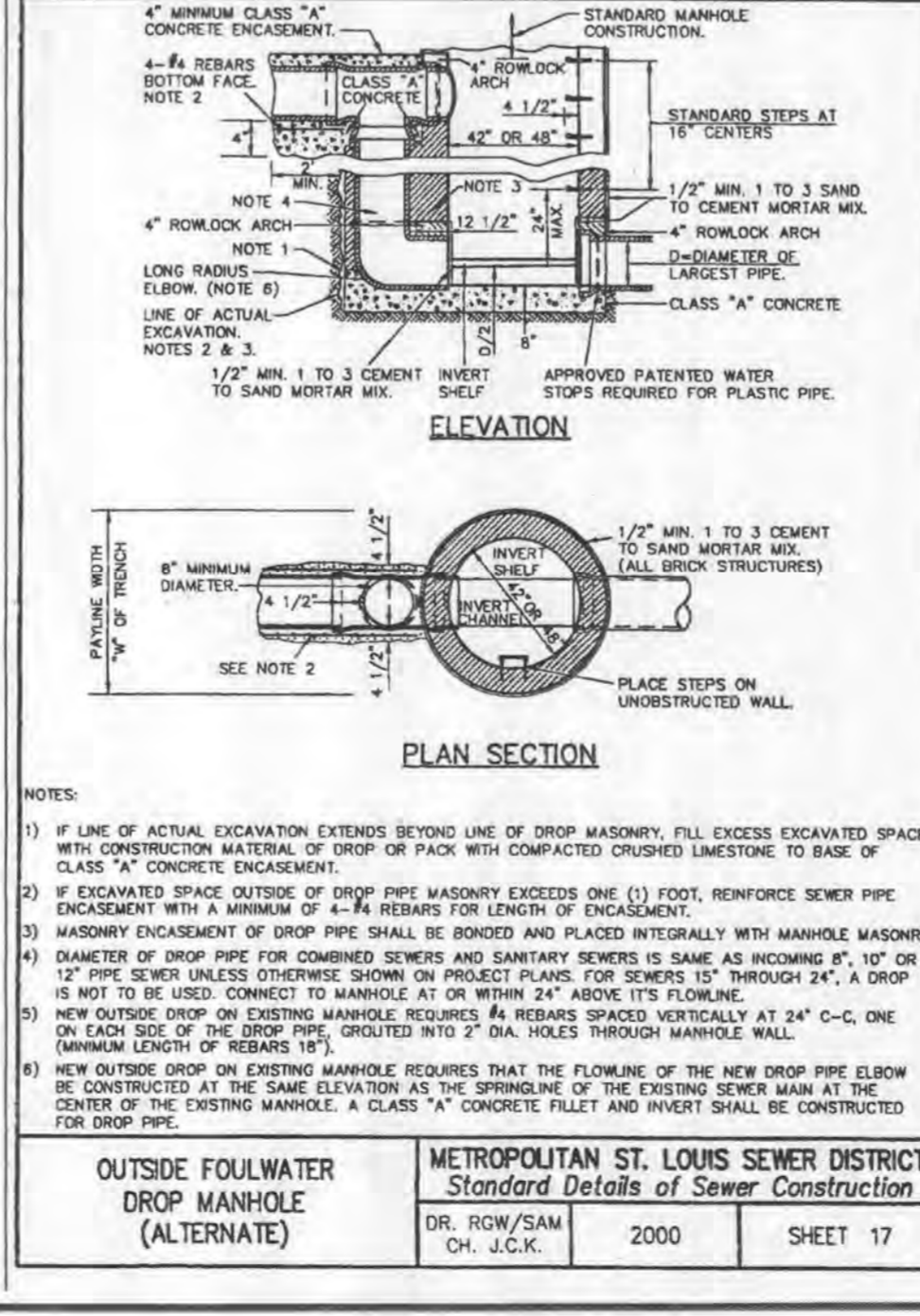
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Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 14



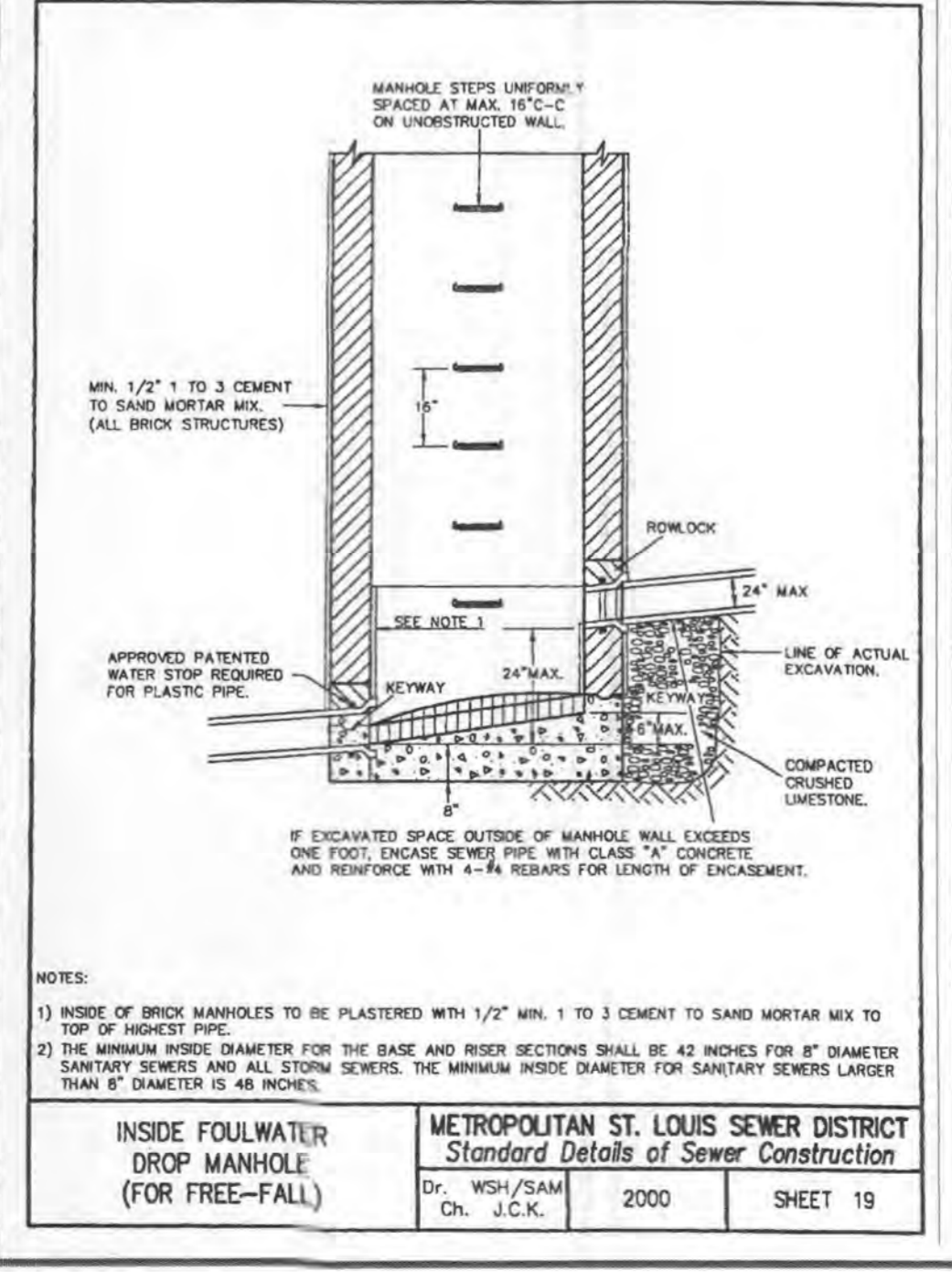
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Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 15



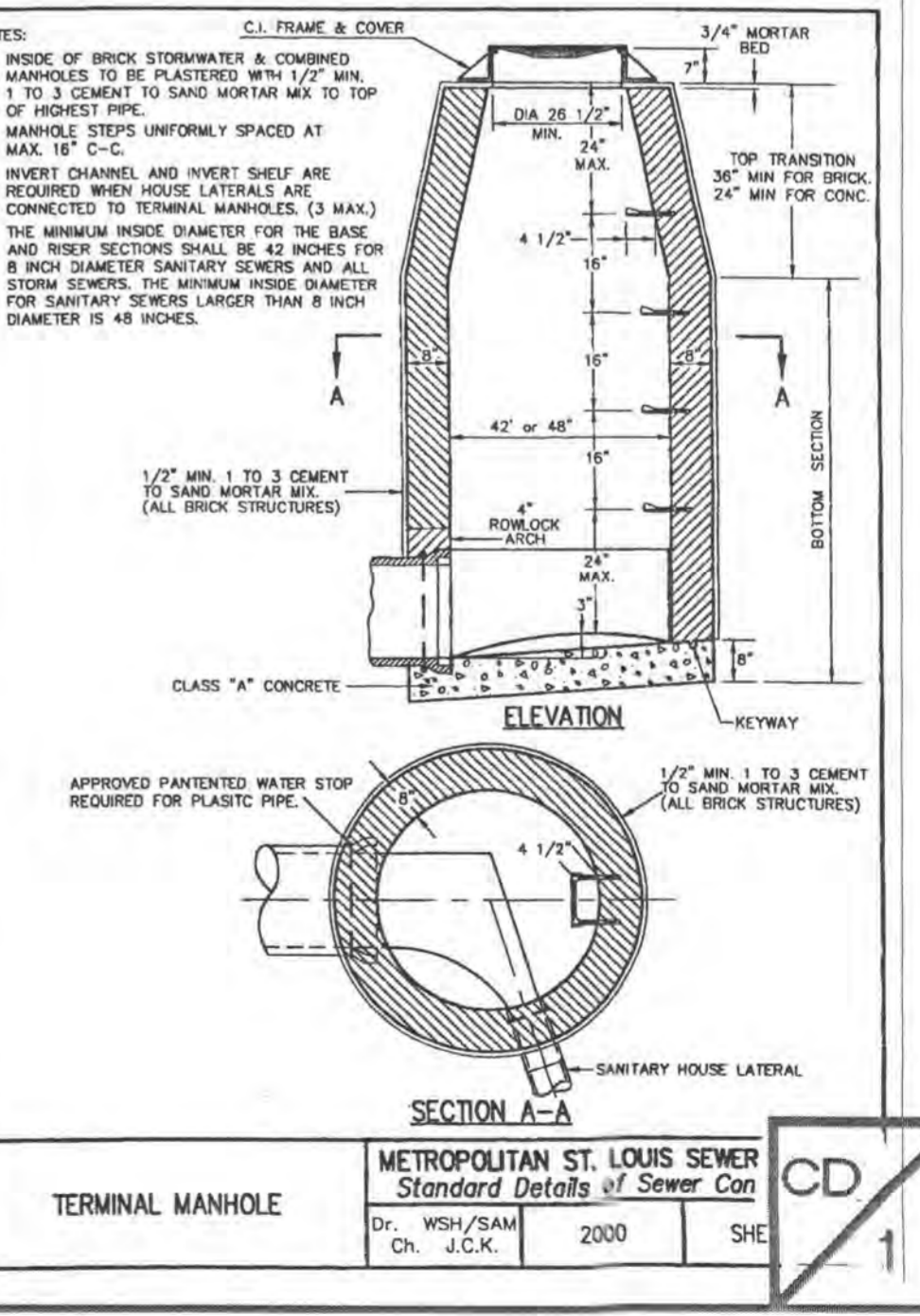
METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. S.A.M. Ch. P.W.S. 2000 SHEET 16



METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. R.O.W./S.A.M. Ch. J.C.K. 2000 SHEET 17



METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 19



METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Can
Dr. W.S.H./S.A.M. Ch. J.C.K. 2000 SHEET 1