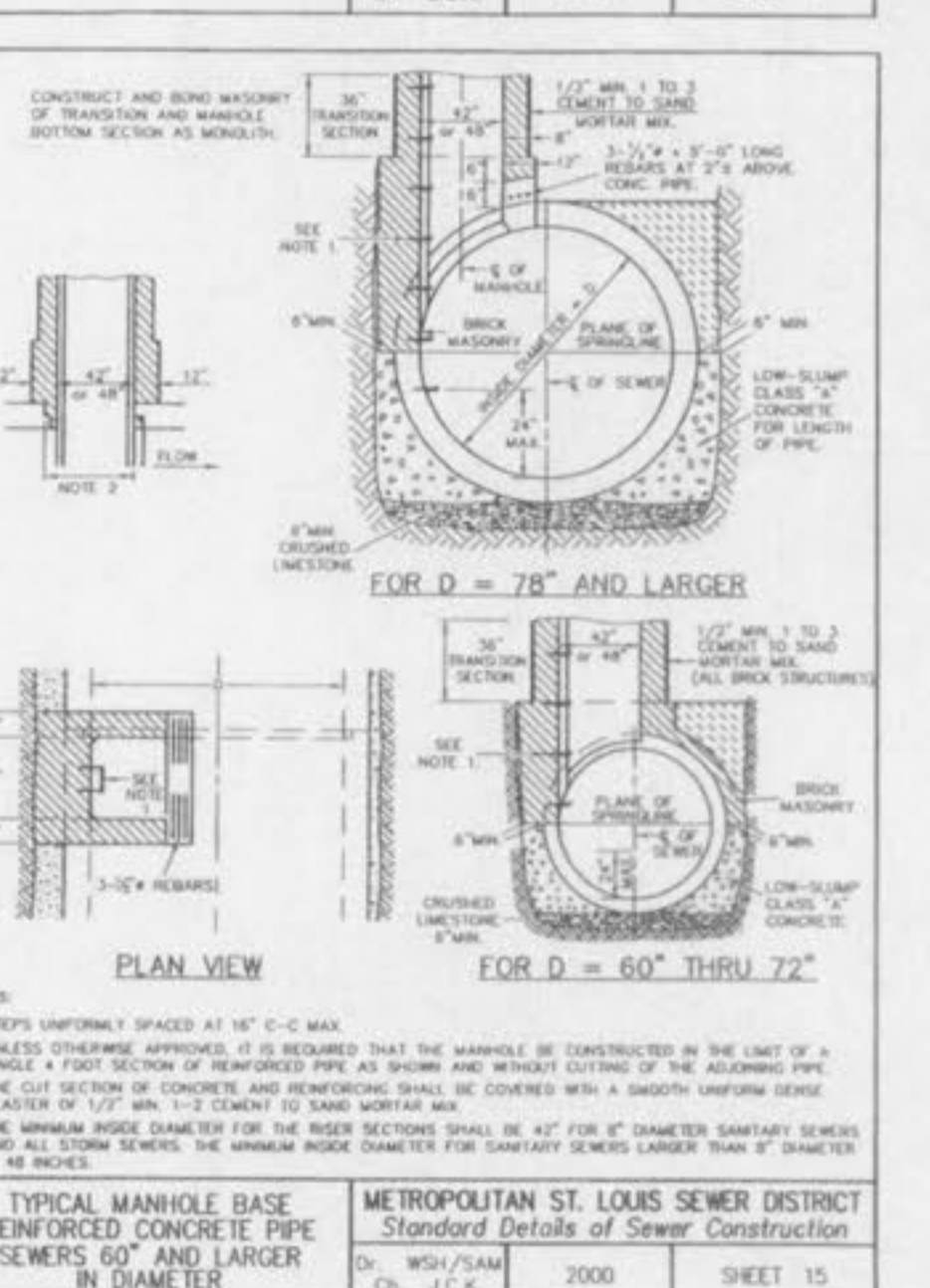
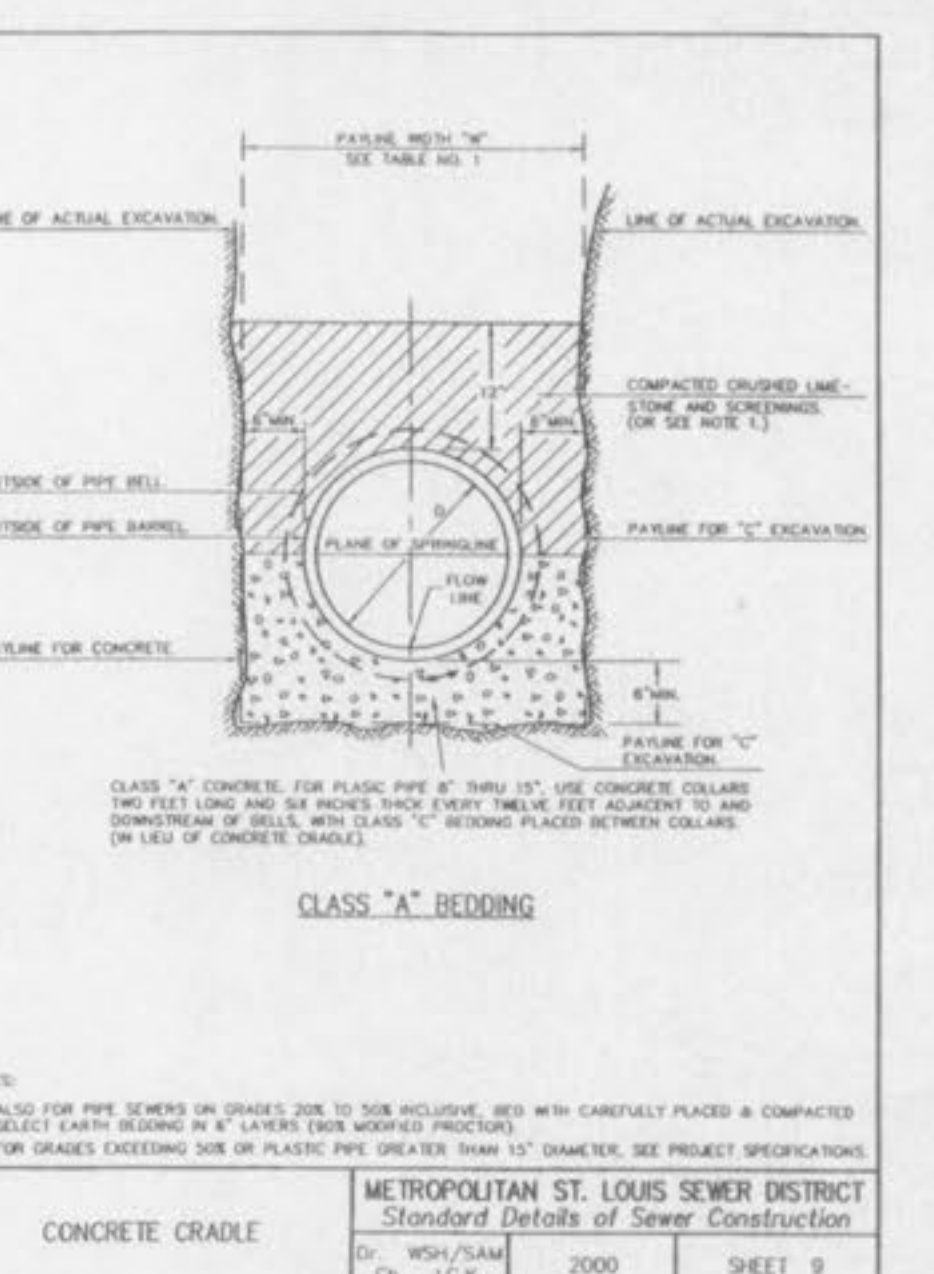
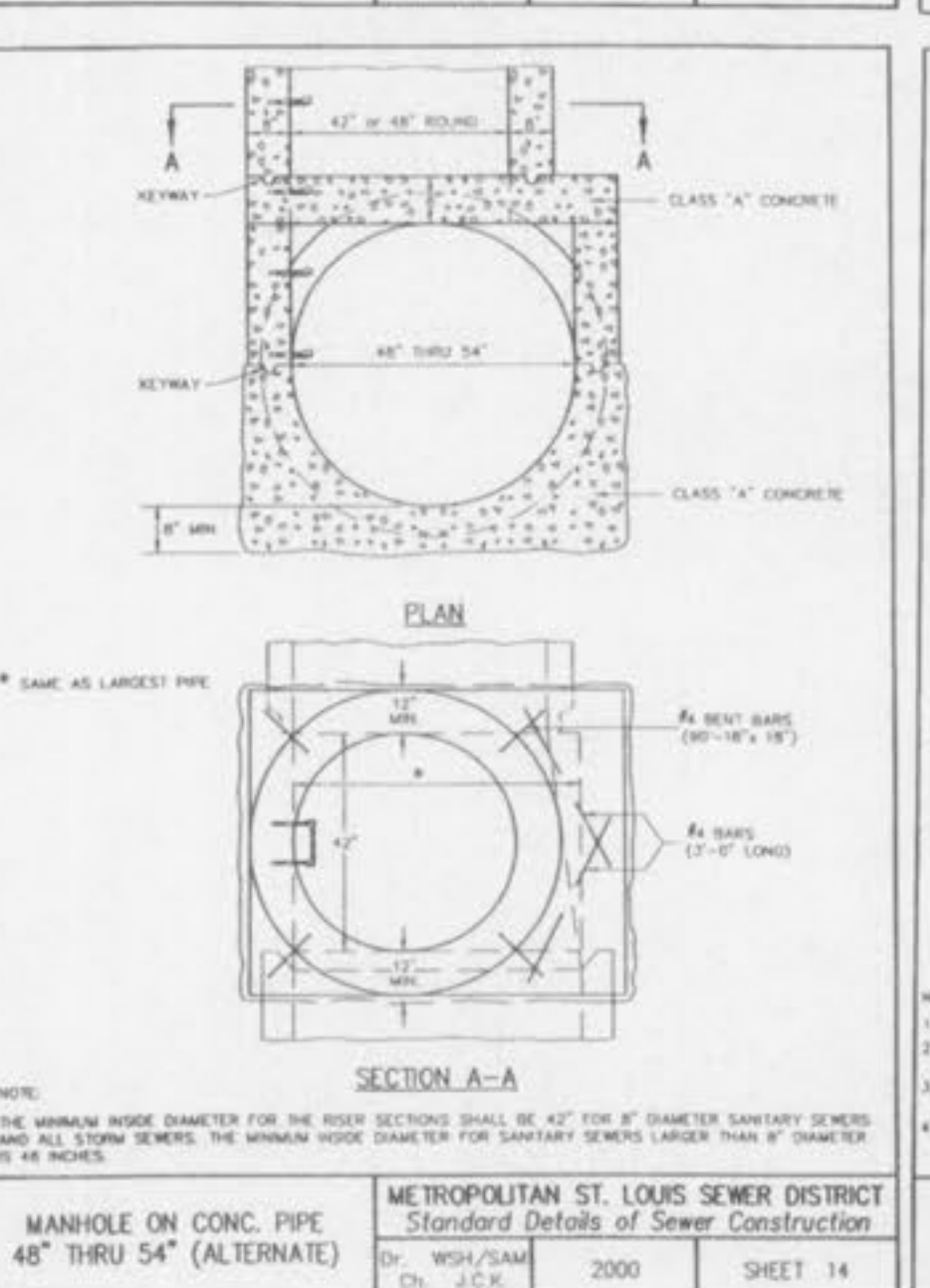
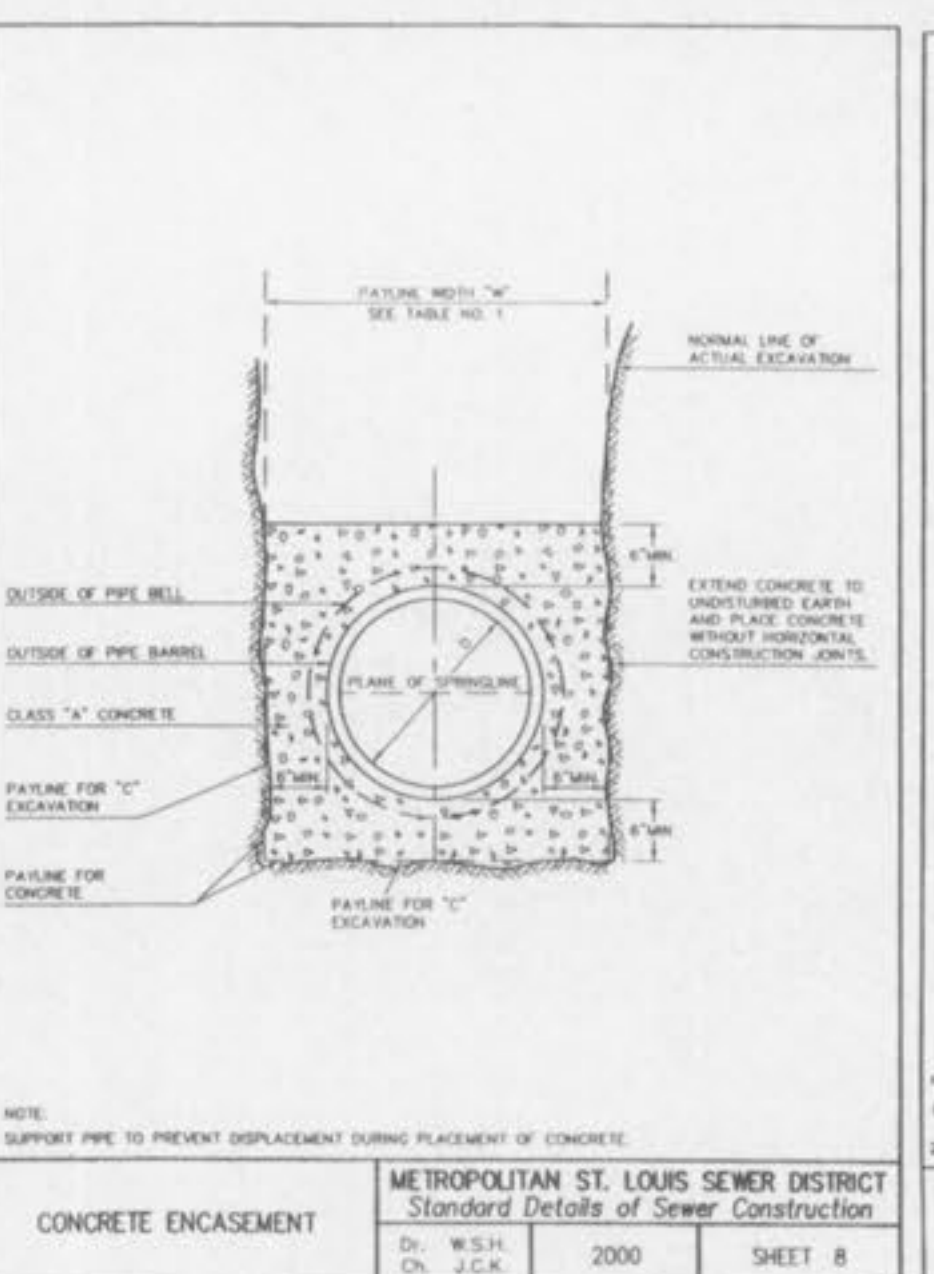
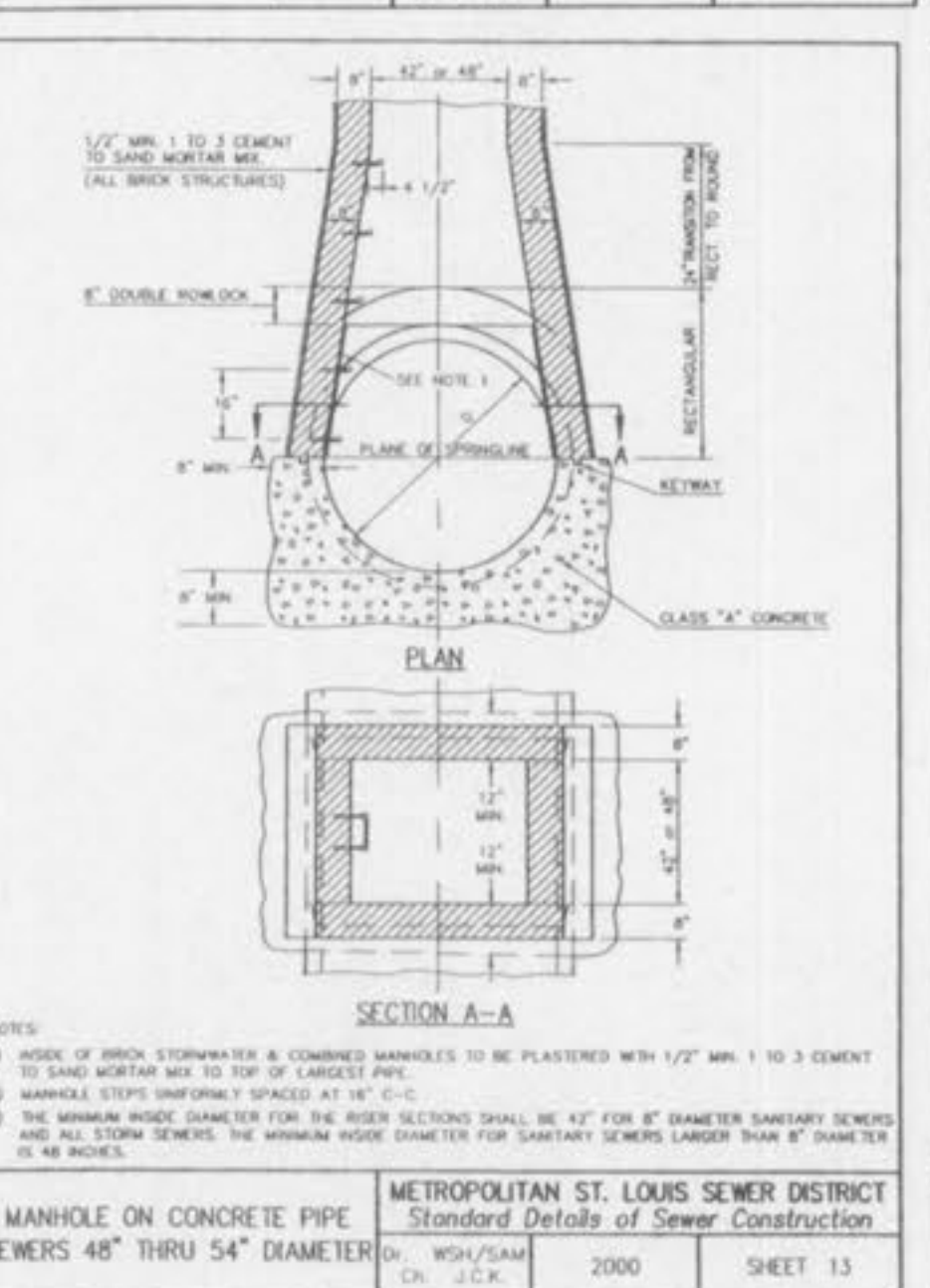
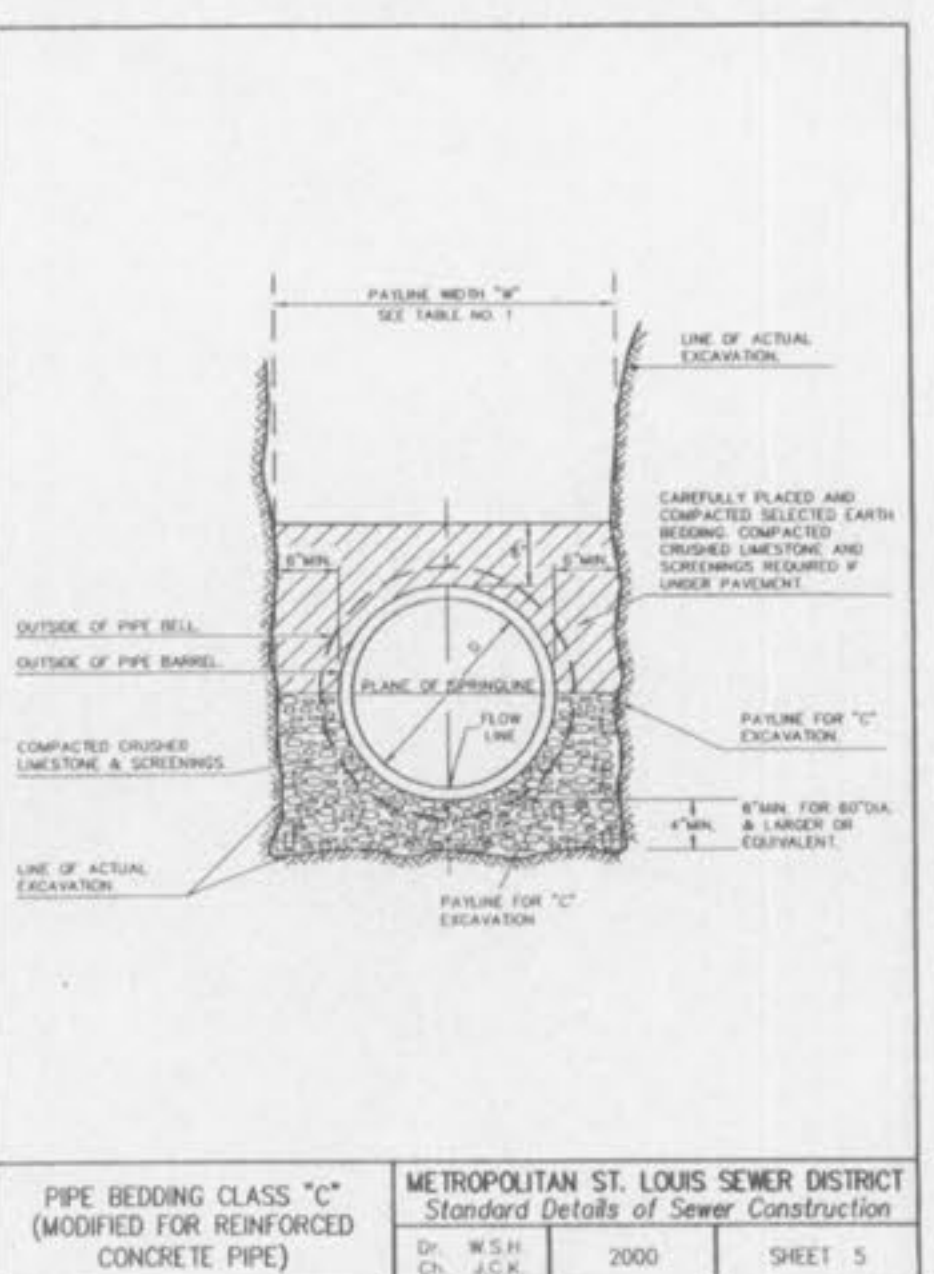
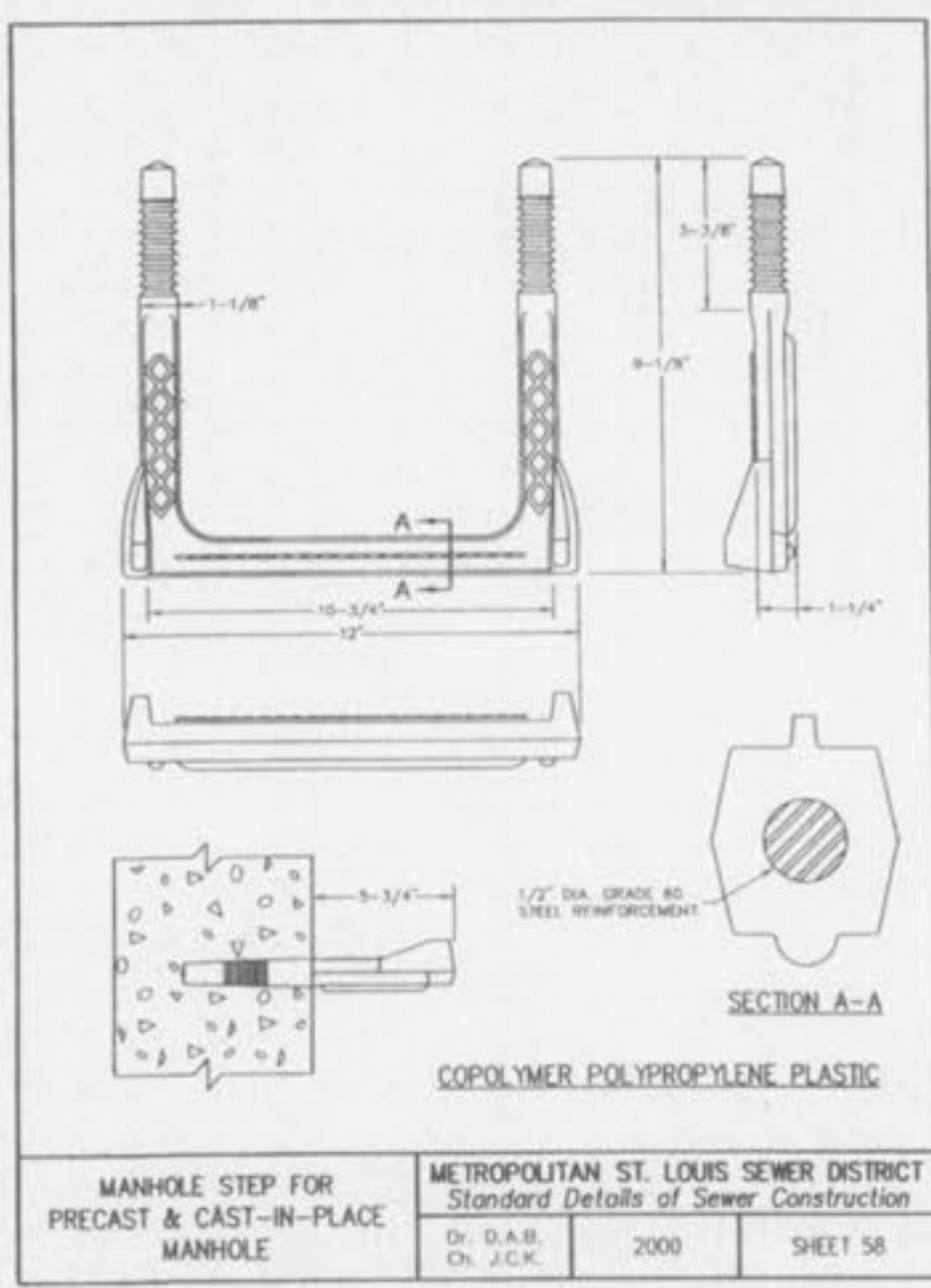
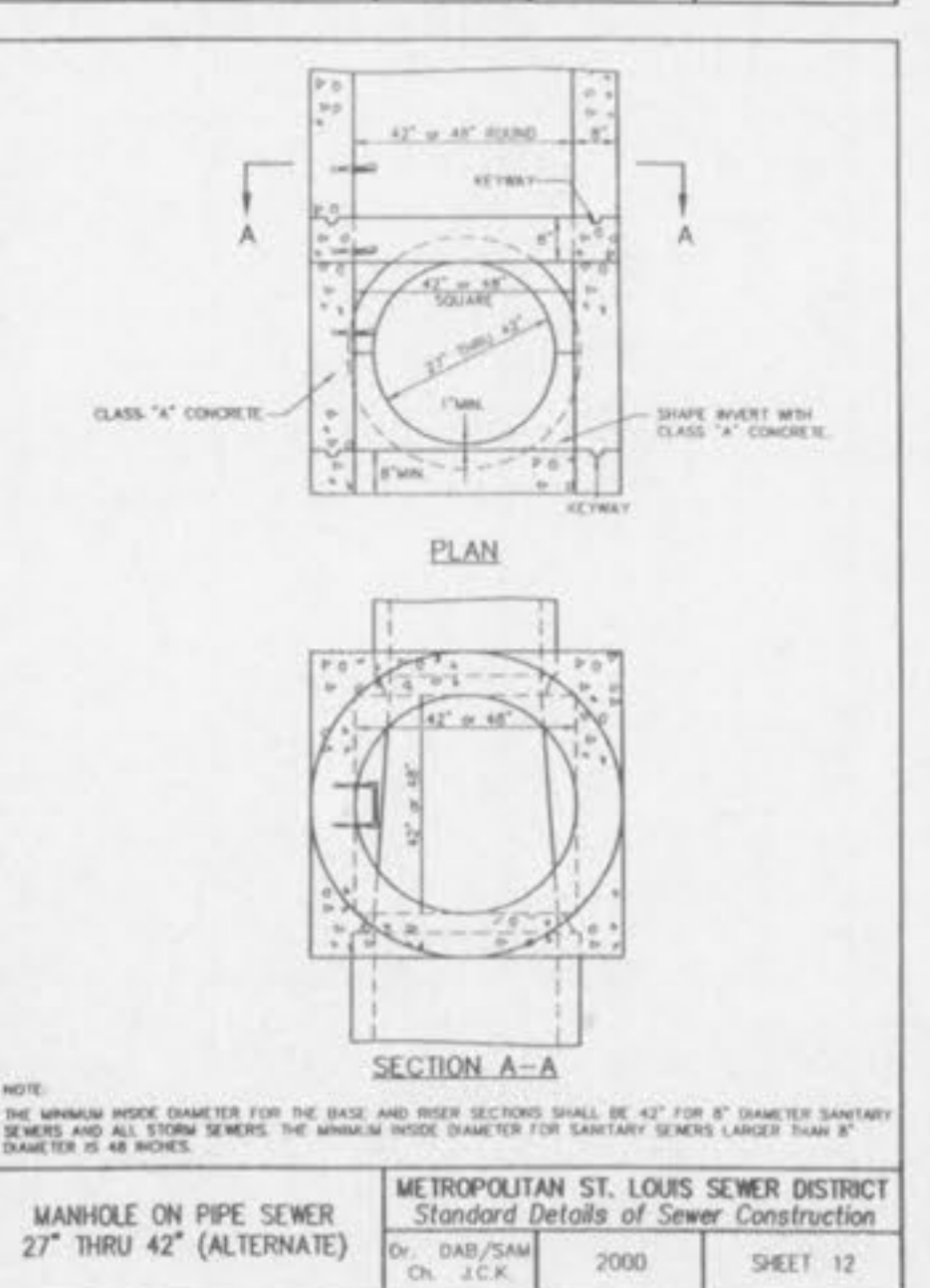
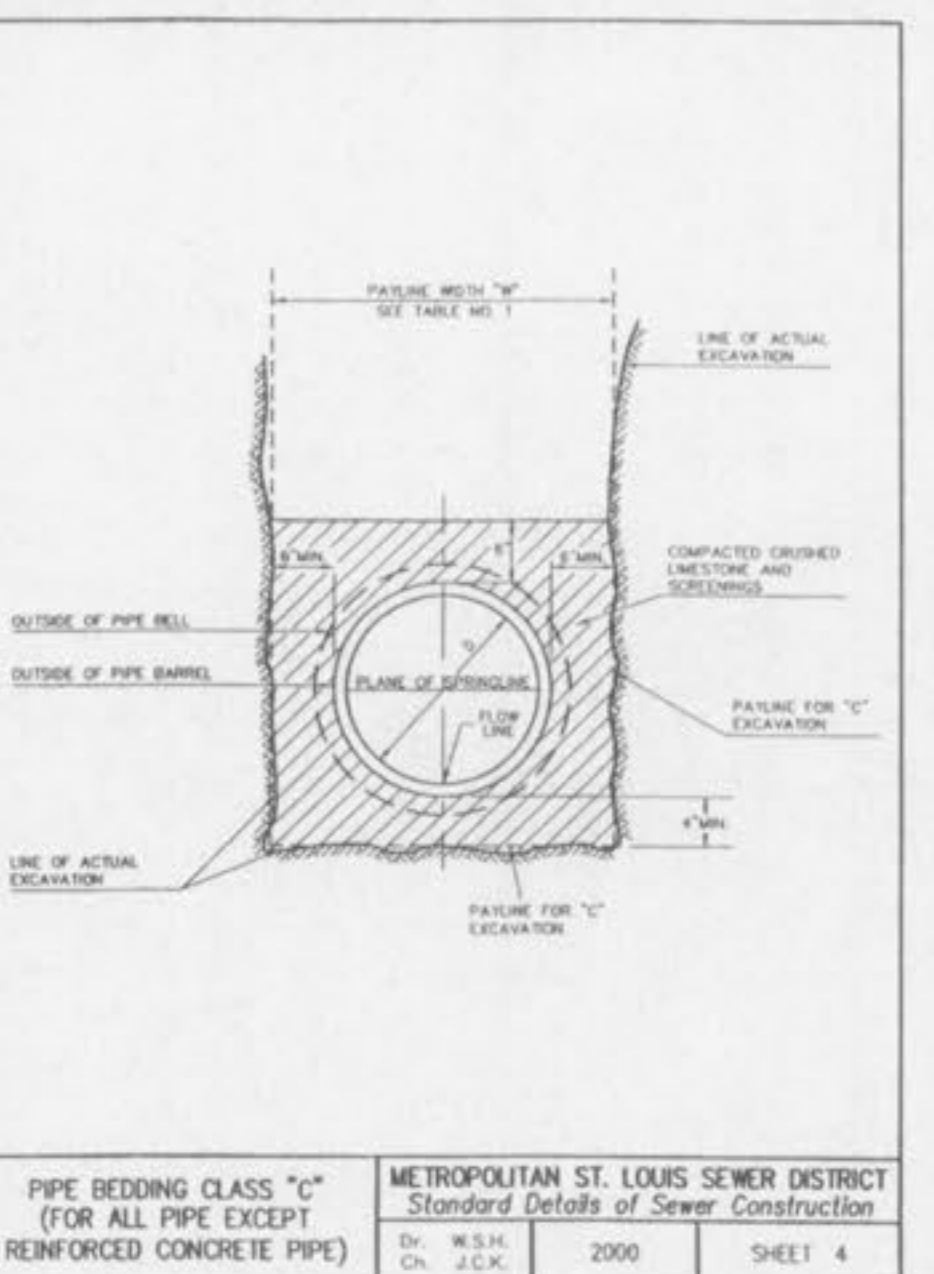
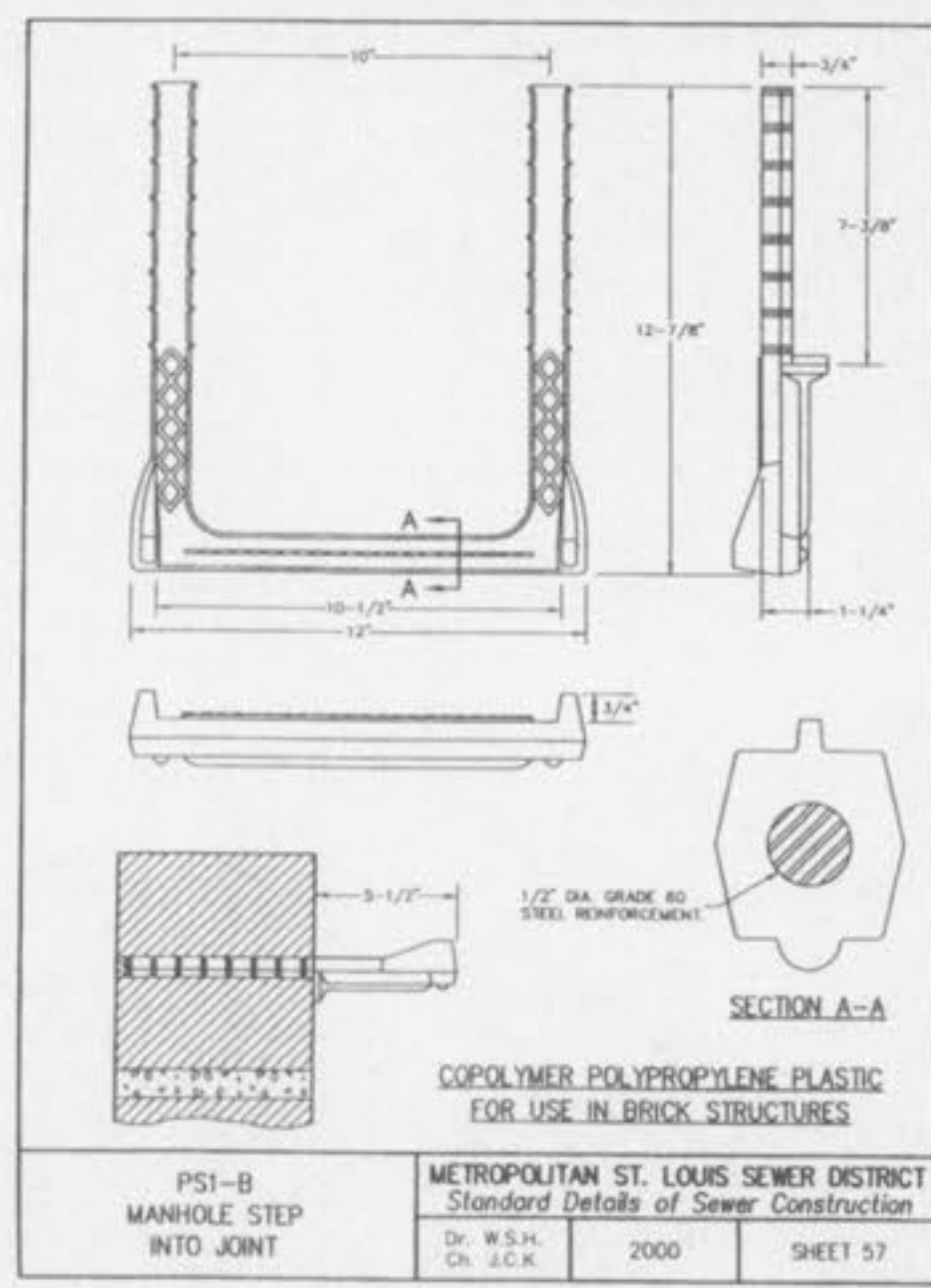
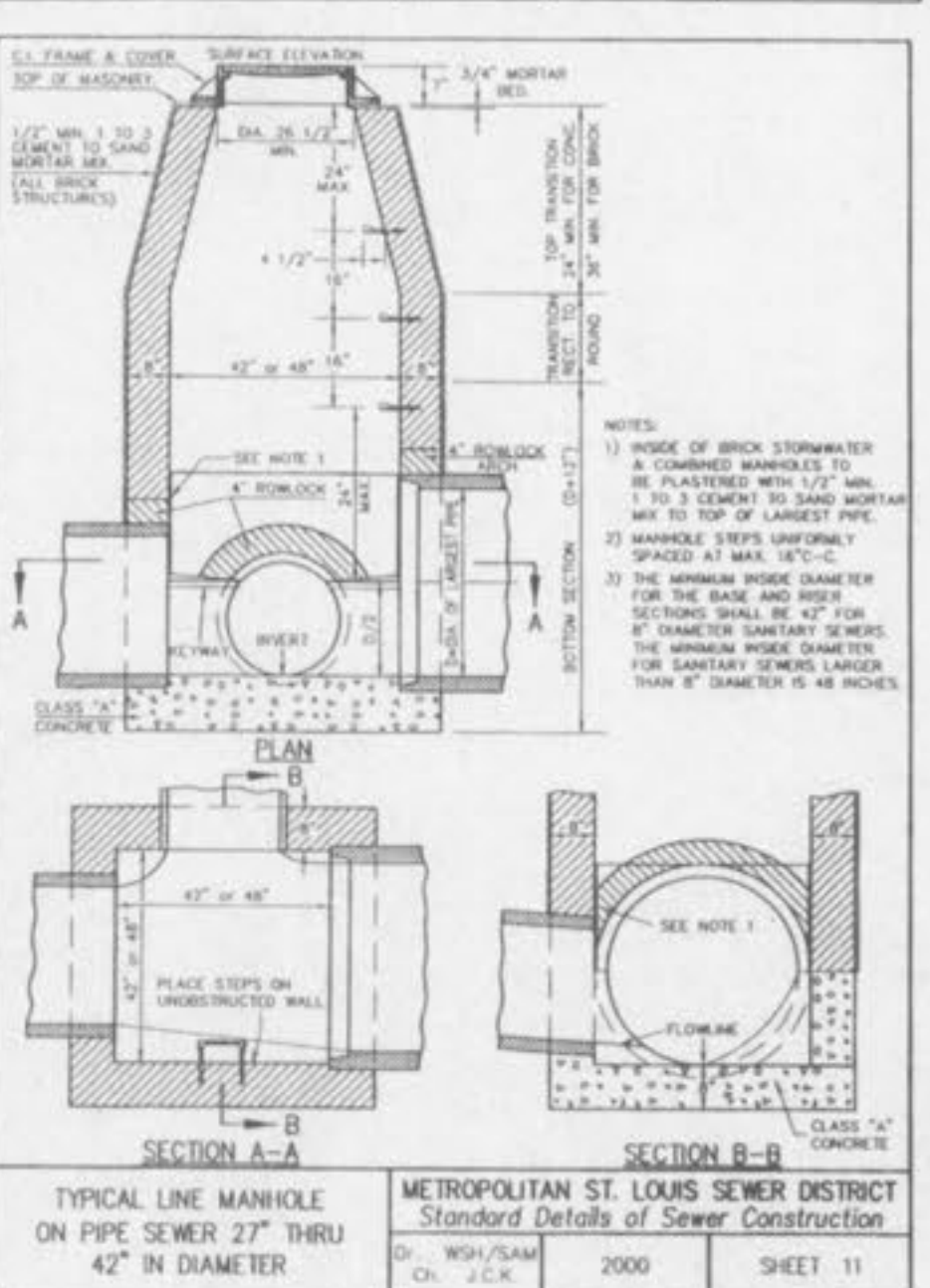
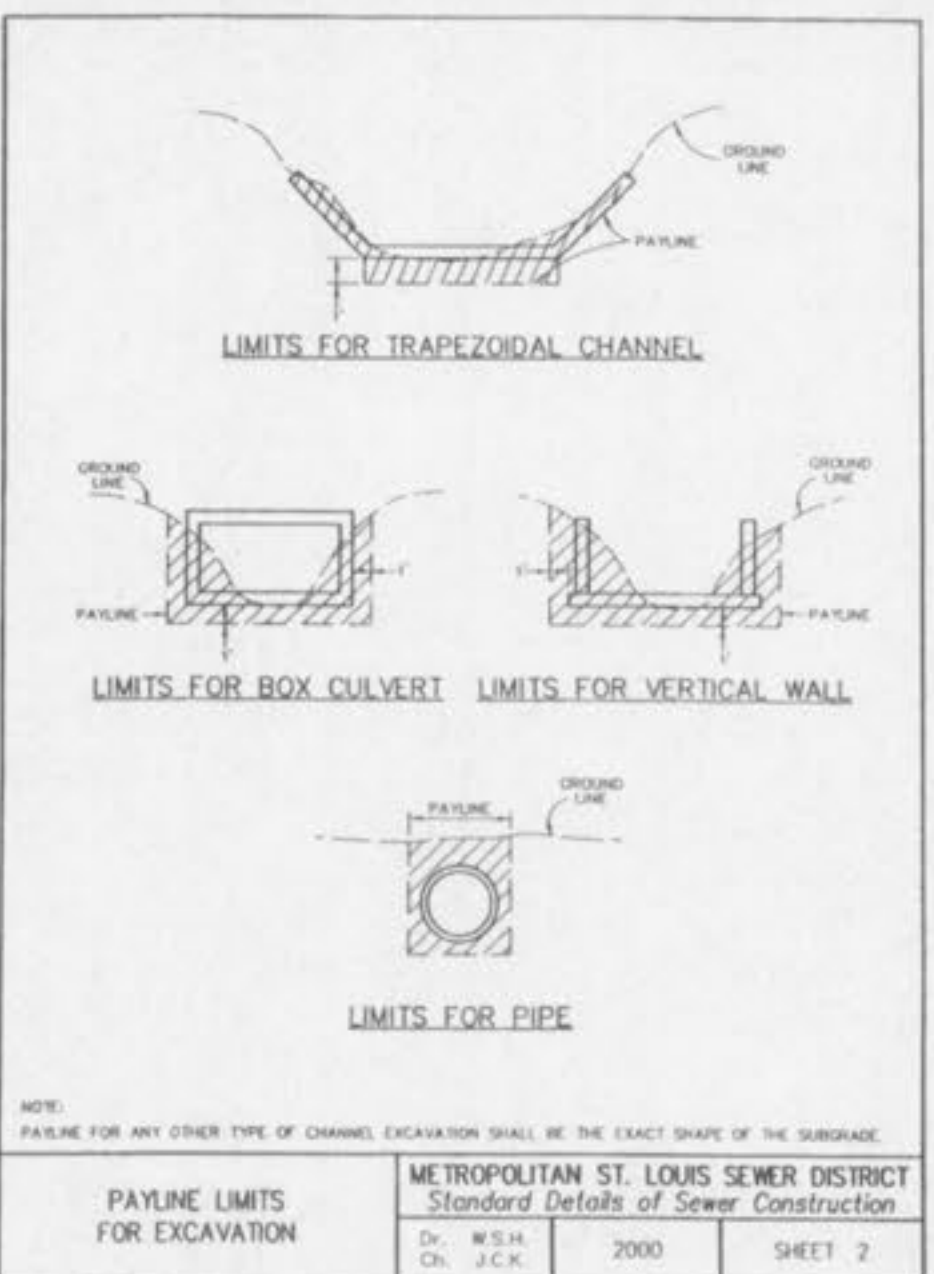
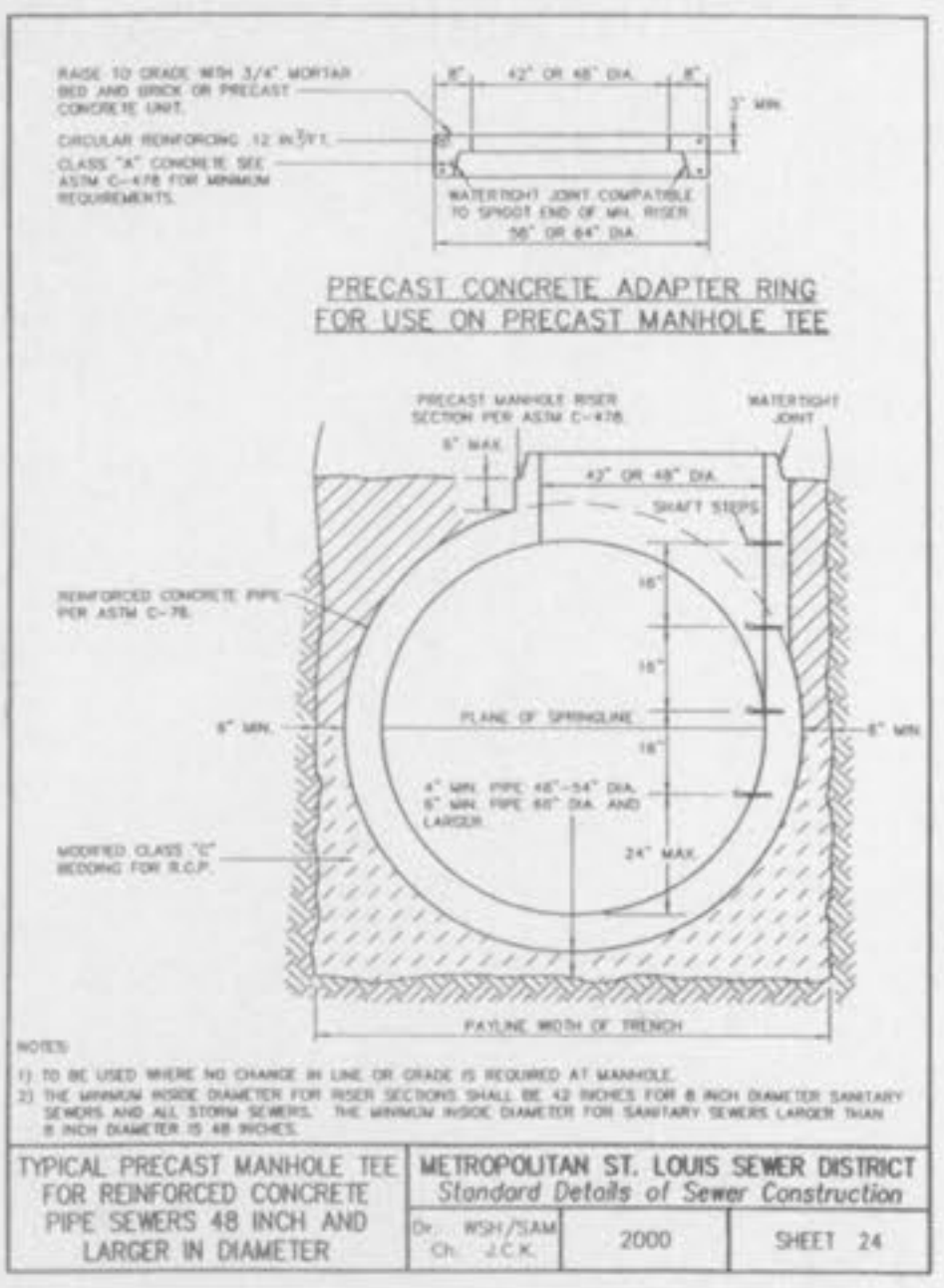
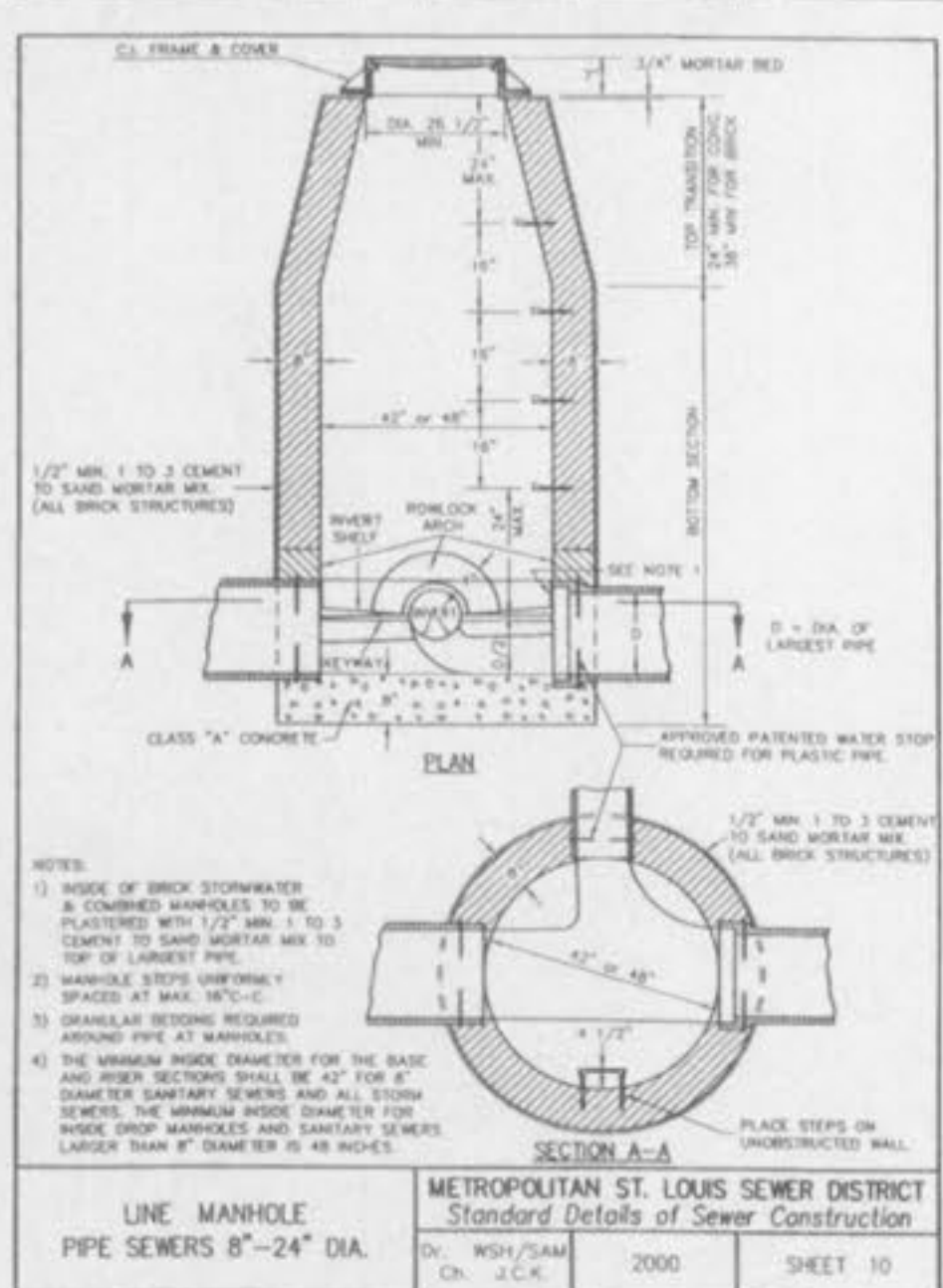


| ROUND PIPE             |                                    |                                    |                                | HORIZONTAL ELLIPTICAL PIPE |                                    |                                    |                                |
|------------------------|------------------------------------|------------------------------------|--------------------------------|----------------------------|------------------------------------|------------------------------------|--------------------------------|
| PIPE DIAMETER (INCHES) | "W" PAYLINE WIDTH OF TRENCH (FEET) | "C" PAYLINE WIDTH OF TRENCH (FEET) | PAY-VOLU-MES (CU. FT. PER FT.) | PIPE DIAMETER (INCHES)     | "W" PAYLINE WIDTH OF TRENCH (FEET) | "C" PAYLINE WIDTH OF TRENCH (FEET) | PAY-VOLU-MES (CU. FT. PER FT.) |
| 4                      | 3.0                                | 2.50                               | 3.38                           |                            |                                    |                                    |                                |
| 6                      | 3.0                                | 2.50                               | 3.59                           |                            |                                    |                                    |                                |
| 8                      | 3.0                                | 2.50                               | 3.87                           |                            |                                    |                                    |                                |
| 10                     | 3.0                                | 2.50                               | 4.09                           |                            |                                    |                                    |                                |
| 12                     | 3.0                                | 2.50                               | 4.25                           |                            |                                    |                                    |                                |
| 15                     | 3.0                                | 2.50                               | 5.05                           |                            |                                    |                                    |                                |
| 18                     | 3.0                                | 2.50                               | 5.77                           | 14 x 23                    | 41                                 | 24.2                               | 5.94                           |
| 20                     | 3.0                                | 2.50                               | 6.09                           |                            |                                    |                                    |                                |
| 24                     | 4.2                                | 3.50                               | 7.39                           | 19 x 30                    | 48                                 | 4.08                               | 7.68                           |
| 27                     | 4.5                                | 3.75                               | 8.18                           | 22 x 34                    | 53                                 | 4.42                               | 8.81                           |
| 30                     | 4.8                                | 4.00                               | 9.30                           | 24 x 38                    | 58                                 | 4.83                               | 9.70                           |
| 33                     | 5.1                                | 4.42                               | 10.53                          | 27 x 42                    | 62                                 | 5.17                               | 10.71                          |
| 36                     | 5.4                                | 4.87                               | 11.43                          | 29 x 45                    | 66                                 | 5.50                               | 11.72                          |
| 39                     | 5.7                                | 5.30                               | 12.48                          | 32 x 49                    | 71                                 | 5.87                               | 13.14                          |
| 42                     | 6.0                                | 5.75                               | 13.28                          | 34 x 53                    | 75                                 | 6.20                               | 14.05                          |
| 48                     | 7.0                                | 6.83                               | 15.87                          | 38 x 60                    | 83                                 | 6.82                               | 16.18                          |
| 54                     | 7.7                                | 7.42                               | 18.15                          | 43 x 68                    | 92                                 | 7.47                               | 18.81                          |
| 60                     | 8.4                                | 8.00                               | 20.73                          | 48 x 76                    | 101                                | 8.13                               | 21.59                          |
| 66                     | 9.1                                | 8.58                               | 23.45                          | 53 x 83                    | 108                                | 8.68                               | 24.35                          |
| 72                     | 9.9                                | 9.17                               | 26.27                          | 58 x 91                    | 118                                | 9.43                               | 27.45                          |
| 78                     | 10.5                               | 9.75                               | 29.39                          | 63 x 98                    | 126                                | 10.30                              | 30.50                          |
| 84                     | 11.2                               | 10.33                              | 32.57                          | 68 x 106                   | 135                                | 11.28                              | 33.91                          |
| 90                     | 11.8                               | 10.92                              | 35.90                          | 72 x 113                   | 143                                | 11.82                              | 36.90                          |
| 96                     | 12.6                               | 11.50                              | 39.37                          | 77 x 121                   | 152                                | 12.67                              | 40.68                          |
| 102                    | 13.3                               | 12.08                              | 42.89                          | 82 x 128                   | 160                                | 13.53                              | 44.45                          |
| 108                    | 14.0                               | 12.67                              | 46.75                          | 87 x 136                   | 168                                | 14.00                              | 47.79                          |
| 114                    | 14.7                               | 13.25                              | 50.66                          | 92 x 143                   | 176                                | 14.67                              | 51.70                          |
| 120                    | 15.4                               | 13.83                              | 54.72                          | 97 x 151                   | 185                                | 15.42                              | 56.01                          |
| 126                    | 16.1                               | 14.42                              | 58.97                          | 102 x 158                  | 193                                | 16.17                              | 60.82                          |
| 132                    | 16.8                               | 15.00                              | 63.33                          | 106 x 166                  | 202                                | 16.83                              | 66.48                          |
| 144                    | 18.2                               | 16.17                              | 72.40                          | 116 x 180                  | 218                                | 18.17                              | 73.56                          |



**IMPROVEMENT PLANS  
PEACEFUL VALLEY  
STORM DETAILS 2**

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 DATE 07/18/03  
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