

AS-BUILT SEWER LATERAL TABLE

| MANHOLE RUN                | LATERAL LOT No. | LATERAL SECTION | C.O. STATION | OFFSET DISTANCE | LATERAL LENGTH | C.O. DEPTH |
|----------------------------|-----------------|-----------------|--------------|-----------------|----------------|------------|
| SMH 10 UPSTATION TO SMH 9  | LOT 57 SEC 2    | OUT SMH         | 21.92 LT     | 22.61           | 9.75           |            |
|                            | LOT 90 SEC 2    | OUT SMH         | 25.63 RT     | 29.81           | 9.95           |            |
| SMH 9 UPSTATION TO SMH 8   | LOT 58 SEC 2    | OUT SMH         | 32.62 LT     | 32.62           | 9.30           |            |
|                            | LOT 89 SEC 2    | OUT SMH         | 22.37 RT     | 23.09           | 8.10           |            |
|                            | LOT 59 SEC 2    | OUT SMH         | 20.19 LT     | 21.01           | 8.40           |            |
| SMH 8 UPSTATION TO SMH 7   | LOT 80 SEC 2    | OUT SMH         | 34.03 LT     | 34.03           | 10.24          |            |
|                            | LOT 88 SEC 2    | OUT SMH         | 21.87 RT     | 24.53           | 9.35           |            |
| SMH 21 UPSTATION TO SMH 24 | LOT 61 SEC 2    | OUT SMH         | 10.84 RT     | 10.00           | 4.60           |            |
|                            | LOT 62 SEC 2    | OUT SMH         | 5.44 RT      | 9.00            | 4.80           |            |
| SMH 24 UPSTATION TO SMH 25 | LOT 63 SEC 2    | OUT SMH         | 51.90 LT     | 51.96           | 9.50           |            |
|                            | LOT 65 SEC 2    | OUT SMH         | 23.88 RT     | 52.65           | 7.50           |            |
| SMH 21 UPSTATION TO SMH 22 | LOT 75 SEC 2    | OUT SMH         | 25.63 RT     | 25.63           | 8.50           |            |
|                            | LOT 74 SEC 2    | OUT SMH         | 30.33 RT     | 30.33           | 8.80           |            |
|                            | LOT 76 SEC 2    | OUT SMH         | 35.95 RT     | 35.95           | 8.30           |            |
|                            | LOT 77 SEC 2    | OUT SMH         | 7.33 LT      | 7.33            | 9.80           |            |
|                            | LOT 78 SEC 2    | OUT SMH         | 40.24 RT     | 40.24           | 9.20           |            |
|                            | LOT 72 SEC 2    | OUT SMH         | 19.49 RT     | 22.51           | 9.50           |            |
| SMH 22 UPSTATION TO SMH 23 | LOT 71 SEC 2    | OUT SMH         | 40.81 LT     | 40.81           | 11.10          |            |
|                            | LOT 67 SEC 2    | OUT SMH         | 52.41 LT     | 52.41           | 10.50          |            |
|                            | LOT 70 SEC 2    | OUT SMH         | 52.98 RT     | 53.04           | 9.00           |            |
|                            | LOT 69 SEC 2    | OUT SMH         | 25.81 LT     | 51.48           | 12.10          |            |
|                            | LOT 68 SEC 2    | OUT SMH         | 26.43 RT     | 52.42           | 11.90          |            |
| SMH 7 UPSTATION TO SMH 6   | LOT 77 SEC 2    | OUT SMH         | 24.35 LT     | 24.35           | 12.61          |            |
|                            | LOT 87 SEC 2    | OUT SMH         | 18.17 RT     | 18.17           | 10.50          |            |
|                            | LOT 86 SEC 2    | OUT SMH         | 16.46 RT     | 16.46           | 10.80          |            |
|                            | LOT 78 SEC 2    | OUT SMH         | 25.26 LT     | 25.26           | 10.70          |            |
|                            | LOT 79 SEC 2    | OUT SMH         | 22.35 LT     | 22.76           | 11.50          |            |
|                            | LOT 85 SEC 2    | OUT SMH         | 22.16 RT     | 22.17           | 11.20          |            |
| SMH 6 UPSTATION TO SMH 5A  | LOT 84 SEC 2    | OUT SMH         | 17.08 RT     | 17.08           | 11.70          |            |
|                            | LOT 80 SEC 2    | OUT SMH         | 26.20 LT     | 26.20           | 10.90          |            |
| SMH 5A UPSTATION TO SMH 5  | LOT 81 SEC 1    | OUT SMH         | 22.69 LT     | 22.69           | 10.90          |            |
|                            | LOT 22 SEC 1    | OUT SMH         | 0.04 LT      | 23.41           | 15.10          |            |
|                            | LOT 23 SEC 1    | OUT SMH         | 38.05 RT     | 45.13           | 12.20          |            |
| SMH 5 UPSTATION TO SMH 4   | LOT 21 SEC 1    | OUT SMH         | 24.50 RT     | 24.50           | 11.70          |            |
|                            | LOT 82 SEC 1    | OUT SMH         | 22.98 LT     | 23.07           | 14.30          |            |
|                            | LOT 83 SEC 1    | OUT SMH         | 25.04 LT     | 82.63           | 10.40          |            |
| SMH 4 UPSTATION TO SMH 3   | LOT 1 SEC 1     | OUT SMH         | 20.36 LT     | 20.56           | 12.75          |            |
|                            | LOT 2 SEC 1     | OUT SMH         | 23.34 LT     | 23.34           | 10.10          |            |
|                            | LOT 20 SEC 1    | OUT SMH         | 24.21 RT     | 24.21           | 10.70          |            |
|                            | LOT 3 SEC 1     | OUT SMH         | 23.32 LT     | 23.32           | 9.30           |            |
|                            | LOT 19 SEC 1    | OUT SMH         | 24.06 RT     | 24.06           | 10.10          |            |
|                            | LOT 4 SEC 1     | OUT SMH         | 22.43 LT     | 22.43           | 9.50           |            |

"AS-BUILT"  
SEC I & II  
04/20/98

AS-BUILT STORM SEWER TABLE

| MANHOLE RUN                | LATERAL LOT No. | LATERAL SECTION | C.O. STATION | OFFSET DISTANCE | LATERAL LENGTH | C.O. DEPTH |
|----------------------------|-----------------|-----------------|--------------|-----------------|----------------|------------|
| SMH 3 UPSTATION TO SMH 2   | LOT 18 SEC 1    | OUT SMH         | 26.69 RT     | 26.69           | 3.50           |            |
|                            | LOT 5 SEC 1     | OUT SMH         | 19.45 LT     | 19.45           | 8.10           |            |
|                            | LOT 6 SEC 1     | OUT SMH         | 16.59 LT     | 16.59           | 8.20           |            |
|                            | LOT 17 SEC 1    | OUT SMH         | 30.72 RT     | 30.72           | 8.40           |            |
|                            | LOT 7 SEC 1     | OUT SMH         | 13.26 LT     | 13.26           | 8.85           |            |
|                            | LOT 16 SEC 1    | OUT SMH         | 35.69 RT     | 35.69           | 8.60           |            |
|                            | LOT 15 SEC 1    | OUT SMH         | 21.08 RT     | 23.84           | 10.10          |            |
| SMH 2 UPSTATION TO SMH 1   | LOT 8 SEC 1     | OUT SMH         | 10.46 RT     | 10.46           | 9.60           |            |
|                            | LOT 14 SEC 1    | OUT SMH         | 39.12 RT     | 39.12           | 7.50           |            |
|                            | LOT 9 SEC 1     | OUT SMH         | 11.83 LT     | 11.83           | 10.65          |            |
|                            | LOT 13 SEC 1    | OUT SMH         | 31.64 RT     | 31.64           | 8.80           |            |
|                            | LOT 10 SEC 1    | OUT SMH         | 46.88 LT     | 52.59           | 11.30          |            |
|                            | LOT 12 SEC 1    | OUT SMH         | 40.16 RT     | 55.25           | 10.50          |            |
|                            | LOT 11 SEC 1    | OUT SMH         | 4.50 LT      | 53.16           | 11.00          |            |
| SMH 11 UPSTATION TO SMH 12 | LOT 48 FUTURE   | OUT SMH         | 18.41 RT     | 18.41           | 9.85           |            |
|                            | LOT 33 FUTURE   | OUT SMH         | 27.47 LT     | 27.47           | 10.40          |            |
|                            | LOT 47 FUTURE   | OUT SMH         | 25.31 RT     | 25.40           | 7.75           |            |
| SMH 12 UPSTATION TO SMH 13 | LOT 38 FUTURE   | OUT SMH         | 24.17 RT     | 24.28           | 8.15           |            |
|                            | LOT 39 FUTURE   | OUT SMH         | 23.14 LT     | 25.56           | 8.50           |            |
| SMH 13 UPSTATION TO SMH 14 | LOT 40 FUTURE   | OUT SMH         | 25.88 LT     | 25.88           | 9.25           |            |
|                            | LOT 41 FUTURE   | OUT SMH         | 24.28 LT     | 24.28           | 6.60           |            |
|                            | LOT 45 FUTURE   | OUT SMH         | 72.90 RT     | 72.90           | 9.00           |            |
|                            | LOT 44 FUTURE   | OUT SMH         | 13.99 RT     | 16.86           | 9.30           |            |
|                            | LOT 42 FUTURE   | OUT SMH         | 73.21 RT     | 28.27           | 7.90           |            |
|                            | LOT 43 FUTURE   | OUT SMH         | 33.15 RT     | 60.65           | 7.70           |            |

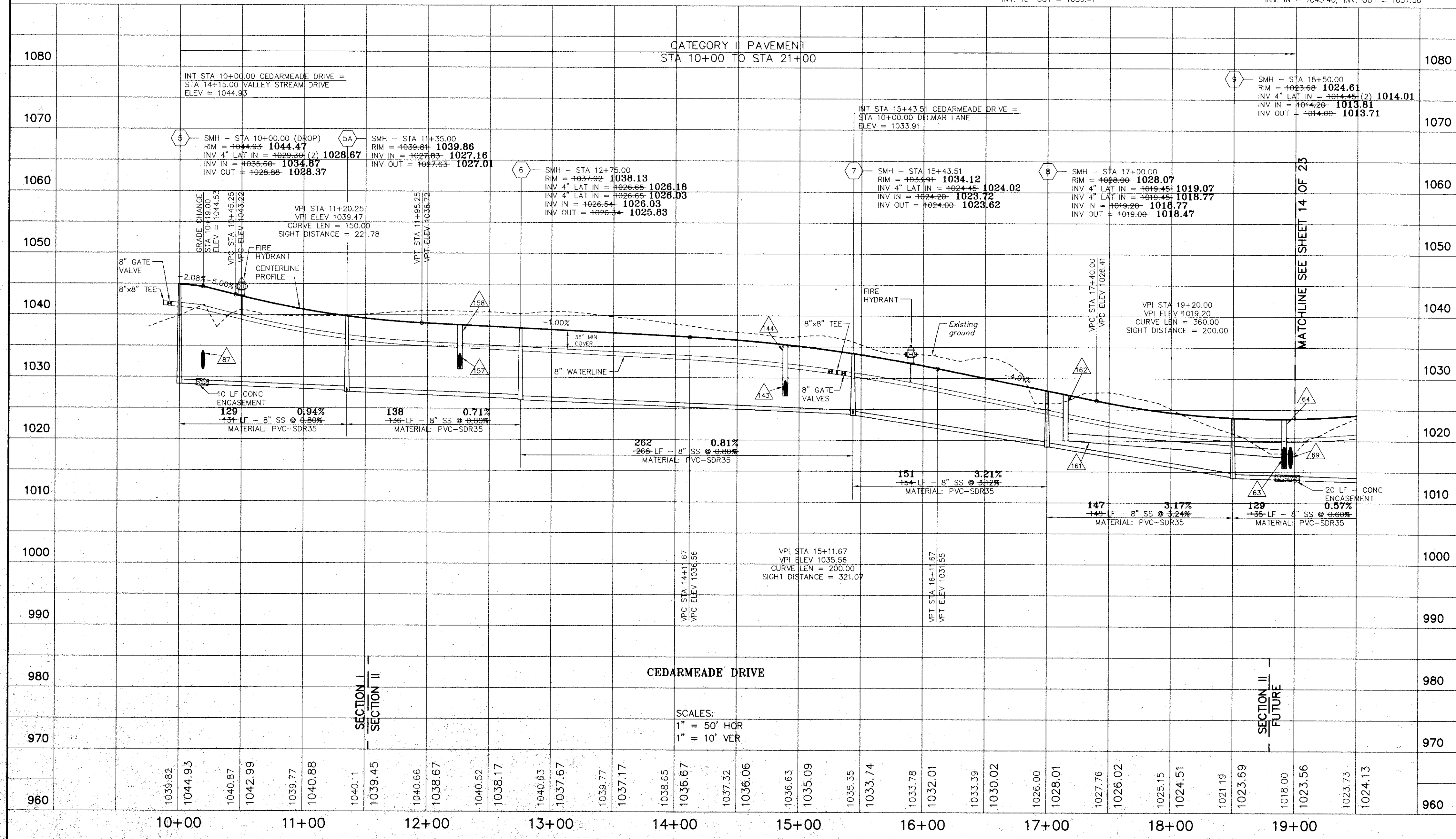
STORM SEWER TABLE

|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| 84. DI-3B, L = 16.0; TOP ELEV = 1049.06       | 128. DI-3B, L = 18.0; TOP ELEV = 1039.40       |
| 85A. 36" EW-1PC; INV. IN = 1029.00            | 132. 15" EW-1PC; INV. OUT = 1031.04            |
| 85. 24 L.F. - 36" RCP, CL III; SLOPE = 6.00%  | 133. 88 L.F. - 15" RCP, CL III; SLOPE = 1.00%  |
| 44. 15" EW-1PC; INV. OUT = 1019.48            | 134. DI-3C, L = 4.0; TOP ELEV = 1038.71        |
| 45. 32 L.F. - 15" RCP, CL III; SLOPE = 1.00%  | 135. 38 L.F. - 15" RCP, CL III; SLOPE = 1.00%  |
| 46. DI-3C, L = 4.0; TOP ELEV = 1026.83        | 136. DI-3C, L = 12.0; TOP ELEV = 1031.92       |
| 47. 30 L.F. - 15" RCP, CL III; SLOPE = 1.00%  | 137. 120 L.F. - 36" RCP, CL III; SLOPE = 0.80% |
| 48. DI-3C, L = 6.0; TOP ELEV = 1026.83        | 138. DI-3B, L = 8.0; TOP ELEV = 1030.64        |
| 49. 36" EW-1PC; INV. OUT = 1017.60            | 139. 120 L.F. - 36" RCP, CL III; SLOPE = 0.80% |
| 50. 120 L.F. - 36" RCP, CL III; SLOPE = 3.67% | 140. 24" EW-1PC; INV. OUT = 1025.63            |
| 51. 15" EW-1PC; INV. IN = 1022.00             | 141. 92 L.F. - 24" RCP, CL III; SLOPE = 1.00%  |
| 52. 36" EW-1PC; INV. IN = 1022.00             | 142. DI-3B, L = 8.0; TOP ELEV = 1026.55        |
| 53. DETENTION BASIN OUTLET STRUCTURE          | 143. 36 L.F. - 24" RCP, CL III; SLOPE = 1.00%  |
| 54. 30" F. - 24" RCP, CL III; SLOPE = 0.50%   | 144. DI-3B, L = 12.0; TOP ELEV = 1035.34       |
| 55. 18" F. - 24" RCP, CL III; SLOPE = 1.50%   | 145. 44 L.F. - 24" RCP, CL III; SLOPE = 1.00%  |
| 56. 54" EW-2PC; INV. OUT = 1013.00            | 146. DI-3B, L = 12.0; TOP ELEV = 1027.75       |
| 57. 18" F. - 24" RCP, CL III; SLOPE = 1.00%   | 147. 166 L.F. - 15" RCP, CL III; SLOPE = 4.82% |
| 58. DI-3C, L = 8.0; TOP ELEV = 1016.82        | 148. DI-3B, L = 16.0; TOP ELEV = 1028.50       |
| 59. 109 L.F. - 27" RCP, CL III; SLOPE = 2.50% | 149. 238 L.F. - 15" RCP, CL III; SLOPE = 9.24% |
| 60. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 150. DI-3B, L = 16.0; TOP ELEV = 1028.50       |
| 61. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 151. 77 L.F. - 15" RCP, CL III; SLOPE = 5.84%  |
| 62. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 152. DI-3B, L = 16.0; TOP ELEV = 1028.50       |
| 63. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 153. 30 L.F. - 15" RCP, CL III; SLOPE = 1.00%  |
| 64. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 154. DI-3B, L = 10.0; TOP ELEV = 1034.53       |
| 65. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 155. 138 L.F. - 30" RCP, CL III; SLOPE = 2.50% |
| 66. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 156. 30" EW-1PC; INV. OUT = 1027.85            |
| 67. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 157. 15" F. - 30" RCP, CL III; SLOPE = 1.00%   |
| 68. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 158. DI-3B, L = 12.0; TOP ELEV = 1038.41       |
| 69. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 159. 140 L.F. - 24" RCP, CL III; SLOPE = 9.00% |
| 70. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 160. YARD INLET                                |
| 71. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 161. 184 L.F. - 15" RCP, CL III; SLOPE = 1.40% |
| 72. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 162. DI-3B, L = 10.0; TOP ELEV = 1027.41       |
| 73. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 163. DI-3B, L = 10.0; TOP ELEV = 1027.41       |
| 74. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 164. DI-3B, L = 10.0; TOP ELEV = 1027.41       |
| 75. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 165. 55 L.F. - 36" RCP, CL III; SLOPE = 1.50%  |
| 76. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 166. DI-3B, L = 14.0; TOP ELEV = 1040.66       |
| 77. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 167. 85 L.F. - 36" RCP, CL III; SLOPE = 1.50%  |
| 78. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 168. 36" EW-1PC; INV. OUT = 1031.67            |
| 79. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 169. 180 L.F. - 18" RCP, CL III; SLOPE = 0.50% |
| 80. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 170. DI-3B, L = 18.0; TOP ELEV = 1033.10       |
| 81. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 171. 119 L.F. - 15" RCP, CL III; SLOPE = 4.00% |
| 82. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 172. DI-7, TYPE III GRATE; TOP ELEV = 1038.50  |
| 83. 15" F. - 27" RCP, CL III; SLOPE = 1.00%   | 173. 119 L.F. - 15" RCP, CL III; SLOPE = 4.00% |

CATEGORY II PAVEMENT  
STA 10+00 TO STA 21+00

CEDARMEADE DRIVE

SCALES:  
1" = 50' HOR  
1" = 10' VER



| DATE     | REVISIONS |
|----------|-----------|
| 04/17/95 | 1         |
| 02/17/95 | 2         |
| 11/17/94 | 3         |

|                                      |                 |
|--------------------------------------|-----------------|
| DATE: AUGUST 30, 1994                | SCALE: 1" = 50' |
| JOB No.: 940601                      | DRAWN BY: MMB   |
| ACAD # RCP1031                       | CHKD: ROL       |
| Consulting Engineers - Land Planners |                 |
| P.O. BOX 18062 ROANOKE, VA. 24014    | (703)772-0077   |

**-LANG-**  
engineering co.  
Consulting Engineers - Land Planners  
P.O. BOX 18062 ROANOKE, VA. 24014 (703)772-0077

**BROOKFIELD**  
CEDARMEADE DRIVE  
ROADWAY PROFILE  
VINTON MAGISTERIAL DISTRICT  
ROANOKE COUNTY, VIRGINIA

**BROOKFIELD**  
CEDARMEADE DRIVE  
ROADWAY PROFILE  
VINTON MAGISTERIAL DISTRICT  
ROANOKE COUNTY, VIRGINIA

SHEET NO.  
**13**  
OF  
**23**