| PLAN | | BY | DATE |
|---|---|---|---|
| SURVEYED | | | |
| PLOTTED | | | |
| ALIGNMENT CHECKED | | | |
| RT. OF WAY PLANTED | | | |
| CADD FILE NAME | | | |
| NOTE BOOK | | | |
| NO. | | | |

| PROFILE | | BY | DATE |
|---|---|---|---|
| SURVEYED | | | |
| PLOTTED | | | |
| GRADES CHECKED | | | |
| BORINGS PLOTTED | | | |
| STRUCTURE NOTAT'NS CH'KD | | | |
| NOTE BOOK | | | |
| NO. | | | |

56 STA. 109+17.7, 39.7' RT
CB T-A, 4' DIA.
TYPE 23 F & G
RIM = 678.84
INV = 674.48 (12" N)
INV = 674.48 (12" W)

57 STA. 109+54.8, 39.7' RT
CB T-C
TYPE 23 F & G
RIM = 678.96
INV = 675.46 (12" S)

57A STA. 110+03.0, 43.0' RT
CB T-C
TYPE 1 FR., O.L.
RIM = 678.91
INV = 675.48 (12" N)

58 STA. 110+33.7, 20.7' LT
CB TO BE REMOVED

59 STA. 110+40.0, 28.5' LT
CB T-C
TYPE 24 F & G
RIM = 678.75
INV = 675.25 (12" N)

60 STA. 110+50.8, 16.7' RT
CB TO BE REMOVED

61 STA. 110+50.0, 28.5' RT
CB T-A, 4' DIA.
TYPE 24 F & G
RIM = 678.70
INV = 675.16 (12" N)
INV = 675.16 (12" W)
INV = 675.16 (12" SE)
INV = 675.20 (4" NE & SE)

61A STA. 110+39.0, 43.0' RT
CB T-A, 4' DIA.
TYPE 1 FR., O.L.
RIM = 678.73
INV = 675.31 (12" S)
INV = 675.22 (12" NW)

62 STA. 110+51.4, 32.0' RT
MH TO BE REMOVED

63 STA. 110+50.0, 28.5' LT
CB T-A, 4' DIA.
TYPE 24 F & G
RIM = 678.70
INV = 675.15 (12" E)
INV = 675.15 (12" S)
INV = 675.20 (4" NW & SW)

64 STA. 110+50.0, 17.5' RT
CB T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 678.92
INV = 673.50 (24" N)
INV = 673.50 (24" S)
INV = 674.49 (12" W)
INV = 675.03 (12" E)

65 STA. 110+60.0, 28.5' RT
CB T-C
TYPE 24 F & G
RIM = 678.76
INV = 675.26 (12" S)

66 STA. 110+78.2, 21.4' LT
CB TO BE REMOVED

67 STA. 110+70.0, 17.5' RT
MH T-A, 6' DIA.
TYPE 1 FR., C.L.,
RESTRICTOR PLATE
RIM = 679.03
INV = 673.45 (24" S)
INV = 673.45 (24" N)

68 STA. 110+84.2, 32.6' RT
MH TO BE REMOVED

69 STA. 110+84.9, 34.6' LT
CB TO BE REMOVED

70 STA. 111+01.8, 42.5' RT
CB TO BE REMOVED

71 STA. 111+16.9, 32.0' RT
CB TO BE REMOVED

72 STA. 210+65.1, 30.8' RT
MH TO BE REMOVED

73 STA. 210+65.1, 30.8' RT
MH T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 678.94
INV = 672.59 (24" N)
INV = 672.60 (24" W)
INV = 673.90 (18" E)

74 STA. 209+50.0, 41.5' RT
CB T-C
TYPE 24 F & G
RIM = 678.60
INV = 675.13 (12" NW)

75 STA. 209+41.8, 35.8' RT
CB T-A, 4' DIA.
TYPE 24 F & G
RIM = 678.69
INV = 675.02 (12" N & SE)
INV = 675.19 (4" S & W)

76 STA. 209+41.8, 25.9' RT
MH T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 678.84
INV = 672.98 (24" W & E)
INV = 674.90 (12" S)

77 STA. 111+24.1, 17.5' RT
MH T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 679.28
INV = 673.29 (24" S)
INV = 672.77 (24" W & E)

78 STA. 210+84.5. 28.2' RT
CB TO BE REMOVED

79 STA. 209+53.3, 29.3' LT
MH TO BE REMOVED

80 STA. 111+90.6, 28.4' RT
MH TO BE REMOVED

81 STA. 210+38.5, 26.5' LT
CB TO BE REMOVED

82 STA. 210+67.4, 25.4' LT
MH TO BE REMOVED

83 STA. 210+67.4, 25.4' LT
MH T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 678.81
INV = 672.15 (18" E)
INV = 674.90 (12" N)
INV = 672.15 (24" W)
INV = 673.29 (EX 6" NE)
INV = 672.15 (24" S)

84 STA. 210+67.4, 41.0' LT
CB T-C
TYPE 8 GRATE
RIM = 678.96
INV = 674.96 (12" S)

85 STA. 112+06.9, 36.0' LT
CB TO BE REMOVED

86 STA. 112+05.7, 31.2' LT
MH TO BE REMOVED

87 STA. 111+79.5, 23.0' RT
MH T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 679.12
INV = 669.85 (18" W)
INV = 669.85 (30" N)
INV = 671.97 (24" E)

88 STA. 112+86.7, 16.5' RT
CB TO BE REMOVED

89 STA. 113+20.0, 39.5' LT
INLET T-A
TYPE 24 F & G
RIM = 677.99
INV = 674.59 (12" E)

90 STA. 113+20.0, 23.0' RT
MH T-A, 5' DIA.
TYPE 1 FR., C.L.
RIM = 678.37
INV = 674.72 (12" E)
INV = 673.01 (12" W)
INV = 669.10 (30" S)
INV = 669.10 (30" N)

91 STA. 113+20.0, 28.5' RT
CB T-C
TYPE 24 F & G
RIM = 678.26
INV = 674.76 (12" W & 4" SE)

92 STA. 113+70.7, 29.1' LT
CB TO BE REMOVED

93 STA. 113+66.0, 16.2' RT
CB TO BE REMOVED

56 SEE SHEET NO. 40

68 SEE SHEET NO. 40

69 SEE SHEET NO. 40

69A 34' - 12" S.S., CL. A, T-1 @ 0.50%
T.B.F. = 7.6 CU. YD.

70 18' - 12" S.S., CL. A, T-2 @ 0.50%
T.B.F. = 5.1 CU. YD.
INVERT = 674.39 (12" E)

71 34' - 12" S.S., CL. A, T-2 @ 2.88%
T.B.F. = 8.4 CU. YD.

72 7' - 12" S.S., CL. A, T-1 @ 1.50%
T.B.F. = 1.0 CU. YD.

73 41' - 12" S.S. REMOVAL

74 44' - 12" S.S., CL.A, T-2 @ 1.50%
T.B.F. = 10.3 CU. YD.

75 9' - 12" S.S., CL. A, T-1 @ 1.50%
T.B.F. = 1.6 CU. YD.

75A 12' - 12" S.S., CL. A, T-1 @ 0.50%
T.B.F. = 2.6 CU. YD.

76 7' - 12" S.S., CL. A, T-1 @ 1.50%
T.B.F. = 1.0 CU. YD.

77 9' - 12" S.S. REMOVAL

78 15' - 24" S.S., CL. A, T-2 @ 0.32%
T.B.F. = 5.8 CU. YD.

79 29' - 15" S.S. REMOVAL

80 29' - 12" S.S. REMOVAL
12" S.S. TO BE FILLED (1.0 CU. YD.)

81 4' - 12" S.S. REMOVAL

82 90' - 15" S.S. REMOVAL

83 7' - 12" S.S., CL. A, T-1 @ 1.50%
T.B.F. = 1.0 CU. YD.

84 8' - 12" S.S., CL. A, T-1 @ 1.50%
T.B.F. = 1.7 CU. YD.

85 49' - 24" S.S., CL. A, T-2 @ 0.32%
T.B.F. = 25.9 CU. YD.

86 14' - 12" S.S. REMOVAL

87 3' - 12" S.S. REMOVAL

88 43' - 12" S.S. REMOVAL

89 15' - 12" S.S. REMOVAL

90 45' - 24" S.S., CL. A, T-2 @ 0.30%
T.B.F. = 29.9 CU. YD.

91 71' - 24" S.S., W.M.R., T-2 @ 0.30%
T.B.F. = 48.4 CU. YD.

92 43' - 24" S.S., CL. A, T-2 @ 0.40%
T.B.F. = 32.9 CU. YD.

93 51' - 24" S.S. REMOVAL

94 51' - 24" S.S., W.M.R., T-2 @ 0.86%
T.B.F. = 42.3 CU. YD.

95 41' - 18" S.S. REMOVAL

96 45' - 18" S.S., CL. A, T-2 @ 2.80%
T.B.F. = 29.2 CU. YD.

97 134' - 18" S.S., W.M.R., T-2 @ 2.00%
T.B.F. = 143.0 CU. YD.

98 14' - 12" S.S. REMOVAL

99 37' - 24" S.S. REMOVAL

100 40' - 24" S.S., W.M.R., T-2 @ 0.45%
T.B.F. = 33.9 CU. YD.

101 43' - 12" S.S. REMOVAL

102 120' - 18" S.S., CL. A, T-2 @ 1.00%
T.B.F. = 79.9 CU. YD.

103 313' - 18" S.S. REMOVAL

104 12' - 12" S.S., CL.A, T-1 @ 0.50%
T.B.F. = 1.2 CU. YD.

105 83' - 10" S.S. REMOVAL

106 15" S.S. TO BE FILLED (1.6 CU. YD.)

107 1' - 12" S.S. REMOVAL

108 12" S.S. TO BE FILLED (2.9 CU. YD.)

109 310' - 24" S.S. REMOVAL

110 136' - 30" S.S., CL. A, T-2 @ 0.55%
T.B.F. = 188.0 CU. YD.

111 161' - 15" S.S. REMOVAL

112 10' - 12" S.S. REMOVAL

113 60' - 12" S.S., W.M.R., T-2 @ 2.63%
T.B.F. = 16.7 CU. YD.

114 3' - 12" S.S., CL. A, T-1 @ 1.50%
T.B.F. = 0.5 CU. YD.

115 175' - 30" S.S., CL. A, T-2 @ 0.55%
T.B.F. = 238.0 CU. YD.

116 190' - 15" S.S. REMOVAL

117 11' - 12" S.S. REMOVAL

2 STA. 109+48.0, 47.0' LT
V.V. TO BE ADJUSTED
EX RIM = 679.22
PR RIM = 679.37

3 STA. 110+81.8, 40.3' LT
V.V. TO BE ADJUSTED
EX RIM = 678.65
PR RIM = 679.23

4 STA. 110+81.8, 40.3' LT
CONNECT TO EXISTING WATERMAIN 12"

4B STA. 110+85.0, 39.2' LT
CUT AND CAP EXISTING WATERMAIN

5 STA. 209+54.0, 53.0' RT
VALVE VAULT, TYPE A, 6' DIA.
TYPE 1 FR., C.L.
16" BUTTERFLY VALVE
RIM = 679.09

6 STA. 209+41.4, 27.4' LT
V.V. TO BE REMOVED

7 STA. 111+86.8, 38.4' LT
VALVE BOX BE REMOVED

8 STA. 111+93.8, 36.8' RT
V.V. TO BE REMOVED

9 STA. 111+97.2, 62.8' LT
VALVE VAULT, TYPE A, 6' DIA.
TYPE 1 FR., C.L.
16" BUTTERFLY VALVE
RIM = 679.08

9A STA. 111+97.2, 62.8' LT
FH W/ AUX VALVE & VALVE BOX

10 STA. 112+07.4, 40.0' LT
V.V. TO BE REMOVED

11 STA. 112+21.2, 40.0' LT
CONNECT TO EXISTING WATERMAIN 16"

1 17' - 12" DUCTILE IRON WATERMAIN
T.B.F. = 12.3 CU. YD.

2 41' - 16" DUCTILE IRON WATERMAIN
T.B.F. = 50.2 CU. YD.

2B 12" WATERMAIN FILLING (3.8 CU. YD.)

3 121' - 16" DUCTILE IRON WATERMAIN
T.B.F. = 139.2 CU. YD.

4 148' - 12" DUCTILE IRON WATERMAIN
T.B.F. = 170.2 CU. YD.

5 65' - 16" DUCTILE IRON WATERMAIN
T.B.F. = 79.6 CU. YD.

5A 5' - 6" DUCTILE IRON WATERMAIN
T.B.F. = 4.4 CU. YD.

5B FILL EXISTING WATERMAINS, 8" (0.3 CU. YD.)

5C FILL EXISTING WATERMAINS, 8" (1.0 CU. YD.)

5D FILL EXISTING WATERMAINS, 8" (4.8 CU. YD.)

6 32' - 16" DUCTILE IRON WATERMAIN
T.B.F. = 23.7 CU. YD.

6B 83' - WATERMAIN MAIN REMOVAL 8"

6C 13' - WATERMAIN REMOVAL 16"

7 STA. 110+61.4, 28.2' LT
SAN. MH TO BE ADJUSTED
EX RIM = 678.95
PR RIM = 678.74

8 STA. 112+21.6, 26.2' LT
SAN. MH TO BE ADJUSTED
EX RIM = 678.29
PR RIM = 678.78

9 STA. 113+83.6, 43.2' RT
SAN. MH TO BE ADJUSTED
EX RIM = 676.91
PR RIM = 677.59

| | | | |
|---|---|---|---|
| FILE NAME = J:\2275\Cad\Sheet\2275_D&U_05.dgn | USER NAME = djk | DESIGNED - JAT | REVISED - |
| | | DRAWN - JAT | REVISED - |
| | PLOT SCALE = 20.0000 ' / IN. | CHECKED - DJK | REVISED - |
| | PLOT DATE = 3/19/2010 | DATE - 03-19-10 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES**

SCALE: 1"=20' | SHEET NO. 5 OF 11 SHEETS | STA. 109+00 TO STA. 114+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2743 | 05-00161-00-CH | COOK | 112 | 42 |

**CONTRACT NO. 63383**

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT M-8003(543)