PLAN
DATE
BY
SURVEYED
PLOTTED
ADJUSTMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
DATE
BY
SURVEYED
PLOTTED
CROSS SECT. CHECKED
S.M. NOTED
STRUCTURE NO
TAINS CHKD

52 STA. 294+50, 36.0' RT
CB TC T24F&G
RIM = 884.24
INV = 880.95 (NE)

53 STA. 294+79, 47.0' RT
CB TA 4 DIA T24F&G
RIM = 884.18
INV = 880.75 (SW)
INV = 880.75 (E)

54 STA. 294+79, 55.1' RT
MAN TA 4 DIA T1F CL
RIM = 884.53
INV = 880.65 (W)
INV = 880.55 (N)

55 STA. 296+50, 55.1' RT
MAN TA 5 DIA T1F CL
RIM = 885.43
INV = 880.90 (W)
INV = 880.00 (S)
INV = 879.90 (N)

56 STA. 296+40, 36.0' LT
CB TC T24F&G
RIM = 885.19
INV = 881.45 (N)

57 STA. 296+50, 37' LT
CB TA 4 DIA T24F&G
RIM = 885.24
INV = 881.35 (S)
INV = 881.35 (E)

58 STA. 296+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 885.24
INV = 882.00 (PD)
INV = 881.00 (W)
INV = 881.00 (E)

59 STA. 297+64, 55.1' RT
MAN TA 6 DIA W/2 T1F OL R-PLT
RIM = 886.01
INV = 879.75 (S)
INV = 879.25 (NE)

60 STA. 298+25, 77.1' RT
PRC FLAR END SEC 15
INV = 879.00 (SW)

61 STA. 298+00, 62.0' LT
PRC FLAR END SEC 24
W/ GRATING
INV = 879.77 (NE)

62 STA. 298+50, 78.4' RT
PRC FLAR END SEC 24
INV = 878.47 (SW)

63 STA. 298+50, 36.0' LT
CB TC T24F&G
RIM = 886.24
INV = 881.55 (E)

64 STA. 298+50, 3.9' LT
CB TA 4 DIA T24F&G
RIM = 886.79
INV = 881.40 (W)
INV = 881.40 (E)

65 STA. 298+50, 9.0' RT
CB TA 4 DIA T24F&G
RIM = 886.72
INV = 881.30 (W)
INV = 881.30 (E)

66 STA. 298+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 886.24
INV = 883.44 (PD)
INV = 881.15 (W)
INV = 881.15 (E)

67 STA. 298+50, 55.1' RT
MAN TA 5 DIA T1F CL
RIM = 886.44
INV = 881.05 (W)
INV = 879.55 (N)

68 STA. 300+50, 56.1' RT
MAN TA 7 DIA T1F CL
RIM = 887.44
INV = 881.20 (W)
INV = 879.30 (S)
INV = 879.30 (N)
INV = 879.20 (E)

69 STA. 300+50, 36.0' LT
CB TC T24F&G
RIM = 887.24
INV = 882.70 (E)

70 STA. 300+50, 9.0' LT
CB TA 4 DIA T24F&G
RIM = 887.72
INV = 882.55 (W)
INV = 882.55 (E)

71 STA. 300+50, 9.0' RT
CB TA 4 DIA T24F&G
RIM = 887.72
INV = 882.45 (W)
INV = 882.45 (E)

72 STA. 300+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.24
INV = 884.44 (PD)
INV = 882.30 (W)
INV = 881.30 (E)

73 STA. 300+50, 65.1' RT
MAN TA 6 DIA W/2 T1F OL R-PLT
RIM = 884.72
INV = 879.10 (W)
INV = 879.10 (SE)

74 STA. 300+42, 78.3' RT
PRC FLAR END SEC 18
INV = 879.00 (NW)

75 STA. 302+60, 55.1' RT
MAN TA 5 DIA T1F CL
RIM = 888.49
INV = 881.55 (W)
INV = 879.65 (N)
INV = 879.55 (S)

76 STA. 302+50, 36.0' LT
CB TC T24F&G
RIM = 888.24
INV = 883.55 (E)

77 STA. 302+50, 9.0' LT
CB TA 4 DIA T24F&G
RIM = 888.72
INV = 883.40 (W)
INV = 883.40 (E)

78 STA. 302+50, 7.1' RT
CB TA 4 DIA T24F&G
RIM = 888.74
INV = 883.30 (W)
INV = 882.80 (NE)

79 STA. 302+60, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 888.29
INV = 885.44 (PD)
INV = 882.65 (SW)
INV = 881.65 (E)

80 STA. 304+00, 55.1' RT
MAN TA 5 DIA T1F CL
RIM = 889.17
INV = 881.85 (W)
INV = 879.85 (S)

81 STA. 304+00, 36.0' LT
CB TC T24F&G
RIM = 888.99
INV = 884.35 (E)

82 STA. 304+00, 9.0' LT
CB TA 4 DIA T24F&G
RIM = 889.47
INV = 884.20 (W)
INV = 884.20 (E)

83 STA. 304+00, 4.0' LT
CB TA 4 DIA T24F&G
RIM = 889.67
INV = 884.20 (W)
INV = 884.20 (E)

84 STA. 304+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 888.99
INV = 883.95 (N)
INV = 883.95 (W)
INV = 881.95 (E)

85 STA. 304+10, 36.0' RT
CB TC T24F&G
RIM = 889.03
INV = 884.05 (S)

86 STA. 307+20, 36.0' RT
CB TC T24F&G
RIM = 888.88
INV = 884.95 (N)

87 STA. 307+30, 36.0' RT
CB TA 4 DIA T24F&G
RIM = 888.78
INV = 885.95 (PD)
INV = 884.85 (S)
INV = 884.85 (E)

88 STA. 308+28, 36.0' LT
MAN TA 4 DIA T1F CL
RIM = 888.41
INV = 884.50 (W)

89 STA. 306+64, 45.0' LT
CB TC T24F&G
RIM = 889.27
INV = 886.20 (N)

90 STA. 308+28, 41.6' LT
CB TA 4 DIA T24F&G
RIM = 888.73
INV = 885.40 (S)
INV = 885.40 (N)

91 STA. 308+04, 55.0' RT
MAN TA 4 DIA T1F CL
RIM = 888.70
INV = 884.40 (W)
INV = 884.30 (N)

92 STA. 308+04, 47.0' RT
CB TA 4 DIA T24F&G
RIM = 888.35
INV = 884.60 (N)
INV = 884.50 (S)
INV = 884.50 (E)

93 STA. 308+14, 44.8' RT
CB TC T24F&G
RIM = 888.31
INV = 884.70 (N)

94 STA. 309+28, 41.6' LT
MAN TA 4 DIA T1F CL
RIM = 888.25
INV = 884.95 (E)
INV = 884.95 (S)
INV = 884.85 (N)

95 STA. 309+28, 36.0' LT
CB TC T24F&G
RIM = 887.85
INV = 885.05 (W)

96 STA. 309+80, 41.6' LT
MAN TA 4 DIA T1F CL
RIM = 888.12
INV = 884.70 (E)
INV = 884.70 (S)
INV = 884.60 (N)

97 STA. 309+90, 36.0' LT
CB TC T24F&G
RIM = 887.72
INV = 885.00 (S)

98 STA. 309+80, 36.5' LT
INLETS TB T24F&G
RIM = 887.72
INV = 884.90 (N)
INV = 884.80 (W)

99 STA. 309+20, 54.6' RT
MAN TA 5 DIA T1F CL
RIM = 887.82
INV = 883.75 (SW)
INV = 883.75 (S)
INV = 883.65 (N)

100 STA. 308+99, 36.0' RT
CB TC T24F&G
RIM = 888.00
INV = 883.95 (N)

101 STA. 309+09, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.82
INV = 885.14 (PD)
INV = 883.85 (S)
INV = 883.85 (NE)

102 STA. 310+40, 46.2' RT
MAN TA 6 DIA W/2 T1F OL R-PLT
RIM = 888.08
INV = 883.35 (S)
INV = 883.35 (N)

103 STA. 311+00, 46.2' RT
MAN TA 4 DIA T1F CL
RIM = 888.37
INV = 883.20 (S)
INV = 883.20 (W)
INV = 883.10 (E)

104 STA. 310+90, 39.5' RT
CB TC T24F&G
RIM = 888.02
INV = 883.40 (N)

105 STA. 311+00, 40.7' RT
CB TA 4 DIA T24F&G
RIM = 888.02
INV = 885.28 (PD)
INV = 883.30 (S)
INV = 883.30 (E)

106 STA. 311+00, 62.1' RT
PRC FLAR END SEC 18
INV = 883.00 (W)

107 STA. 311+50, 41.6' LT
MAN TA 4 DIA T1F CL
RIM = 888.75
INV = 884.30 (E)
INV = 884.30 (S)
INV = 884.20 (N)

108 STA. 311+50, 13.9' RT
CB TC T24F&G
RIM = 888.63
INV = 884.80 (W)

109 STA. 311+50, 5.2' LT
CB TA 4 DIA T24F&G
RIM = 888.90
INV = 884.70 (E)
INV = 884.70 (W)

110 STA. 311+50, 36.5' LT
INLETS TB T24F&G
RIM = 888.35
INV = 884.50 (E)
INV = 884.40 (W)

111 STA. 311+60, 41.6' LT
MAN TA 6 DIA W/2 T1F OL R-PLT
RIM = 888.83
INV = 884.10 (S)
INV = 884.10 (NW)

112 STA. 312+03, 57.2' LT
PRC FLAR END SEC 21
INV = 884.00 (SE)

(48) 28' - STORM SEWERS, CL A, TYPE 1 12" @ 0.71%
TBF = 3.7 CU YD

(49) 4' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 0.6 CU YD

(50) 167' - STORM SEWERS, CL A, TYPE 1 15" @ 0.33%
TBF = 52.9 CU YD

(51) 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 1.5 CU YD

(52) 70' - STORM SEWERS, CL A, TYPE 1 12" @ 0.50%
TBF = 18.8 CU YD

(53) 14' - STORM SEWERS, CL A, TYPE 1 12" @ 0.71%
TBF = 4.2 CU YD

(54) 109' - STORM SEWERS, CL A, TYPE 1 36" @ 0.14%
TBF = 70.2 CU YD

(55) 56' - STORM SEWERS, CL A, TYPE 1 15" @ 0.40%
TBF = 0.0 CU YD

(56) 135' - PIPE CULVERTS, CL A, TYPE 1 24" @ 0.87%
TBF = 96.7 CU YD

(57) 29' - STORM SEWERS, CL A, TYPE 1 12" @ 0.52%
TBF = 5.9 CU YD

(58) 9' - STORM SEWERS, CL A, TYPE 1 12" @ 1.11%
TBF = 2.1 CU YD

(59) 24' - STORM SEWERS, CL A, TYPE 1 12" @ 0.62%
TBF = 5.7 CU YD

(60) 14' - STORM SEWERS, CL A, TYPE 1 12" @ 0.71%
TBF = 4.7 CU YD

(61) 195' - STORM SEWERS, CL A, TYPE 2 36" @ 0.13%
TBF = 202.6 CU YD

(62) 24' - STORM SEWERS, CL A, TYPE 1 12" @ 0.63%
TBF = 4.4 CU YD

(63) 14' - STORM SEWERS, CL A, TYPE 1 12" @ 0.71%
TBF = 3.2 CU YD

(64) 24' - STORM SEWERS, CL A, TYPE 1 12" @ 0.63%
TBF = 5.2 CU YD

(65) 13' - STORM SEWERS, CL A, TYPE 2 12" @ 0.77%
TBF = 8.5 CU YD

(66) 3' - STORM SEWERS, CL A, TYPE 1 36" @ 3.33%
TBF = 0.0 CU YD

(67) 6' - STORM SEWERS, CL A, TYPE 1 18" @ 0.83%
TBF = 0.0 CU YD

(68) 205' - STORM SEWERS, CL A, TYPE 2 36" @ 0.12%
TBF = 258.5 CU YD

(69) 24' - STORM SEWERS, CL A, TYPE 1 12" @ 0.62%
TBF = 4.9 CU YD

(70) 14' - STORM SEWERS, CL A, TYPE 1 12" @ 0.71%
TBF = 3.5 CU YD

(71) 26' - STORM SEWERS, CL A, TYPE 1 12" @ 0.58%
TBF = 7.5 CU YD

(72) 14' - STORM SEWERS, CL A, TYPE 2 12" @ 0.71%
TBF = 10.3 CU YD

(73) 136' - STORM SEWERS, CL A, TYPE 2 36" @ 0.15%
TBF = 188.2 CU YD

(74) 24' - STORM SEWERS, CL A, TYPE 1 12" @ 0.62%
TBF = 4.7 CU YD

(75) 1' - STORM SEWERS, CL A, TYPE 1 12" @ 0.40%
TBF = 3.8 CU YD

(76) 37' - STORM SEWERS, CL A, TYPE 1 12" @ 0.68%
TBF = 5.4 CU YD

(77) 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 1.4 CU YD

(78) 14' - STORM SEWERS, CL A, TYPE 2 12" @ 0.71%
TBF = 11.5 CU YD

(79) 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 0.9 CU YD

(80) 73' - STORM SEWERS, CL A, TYPE 1 12" @ 0.48%
TBF = 3.9 CU YD

(81) 162' - STORM SEWERS, CL A, TYPE 1 12" @ 0.46%
TBF = 11.5 CU YD

(82) 112' - STORM SEWERS, CL A, TYPE 1 12" @ 0.49%
TBF = 49.6 CU YD

(83) 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 0.8 CU YD

(84) 4' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 4.0 CU YD

(85) 96' - STORM SEWERS, CL A, TYPE 1 12" @ 0.47%
TBF = 6.1 CU YD

(86) 3' - STORM SEWERS, CL A, TYPE 1 12" @ 3.33%
TBF = 0.3 CU YD

(87) 3' - STORM SEWERS, CL A, TYPE 1 24" @ 3.33%
TBF = 13.2 CU YD

(88) 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 0.8 CU YD

(89) 17' - STORM SEWERS, CL A, TYPE 1 12" @ 0.59%
TBF = 4.0 CU YD

(90) 48' - STORM SEWERS, CL A, TYPE 1 15" @ 0.31%
TBF = 0.0 CU YD

(91) 8' - STORM SEWERS, CL A, TYPE 1 12" @ 1.25%
TBF = 1.1 CU YD

(92) 1' - STORM SEWERS, CL A, TYPE 1 12" @ 10.00%
TBF = 0.0 CU YD

(93) 115' - STORM SEWERS, CL A, TYPE 1 24" @ 0.26%
TBF = 0.0 CU YD

(94) 55' - STORM SEWERS, CL A, TYPE 2 18" @ 0.27%
TBF = 19.0 CU YD

(95) 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 1.0 CU YD

(96) 2' - STORM SEWERS, CL A, TYPE 2 12" @ 5.00%
TBF = 0.3 CU YD

(97) 8' - STORM SEWERS, CL A, TYPE 2 18" @ 0.71%
TBF = 1.4 CU YD

(98) 166' - STORM SEWERS, CL A, TYPE 1 24" @ 0.18%
TBF = 0.0 CU YD

(99) 16' - STORM SEWERS, CL A, TYPE 1 12" @ 0.63%
TBF = 0.5 CU YD

(100) 28' - STORM SEWERS, CL A, TYPE 1 12" @ 0.71%
TBF = 5.3 CU YD

(101) 1' - STORM SEWERS, CL A, TYPE 1 12" @ 10.00%
TBF = 0.0 CU YD

(102) 5' - STORM SEWERS, CL A, TYPE 1 24" @ 2.00%
TBF = 0.0 CU YD

(103) 37' - STORM SEWERS, CL A, TYPE 1 21" @ 0.23%
TBF = 0.0 CU YD

NOTES:

1. STATIONS AND OFFSETS ARE TO THE CENTER OF THE STRUCTURE.
2. RIM ELEVATIONS FOR CURB INLETS ARE AT THE FLOW LINE.

FILE NAME = ...\2278NG_D&U_12.dgn	USER NAME = kwh	DESIGNED - KWH	REVISED -
		DRAWN - DTE	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 8/5/2013	DATE - 06/24/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

SCALE: | SHEET NO. 12 OF 13 SHEETS | STA | TO STA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	18W&RS-5 (12)	McHENRY	151	65
		CONTRACT NO. 60V72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		