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

PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK	BKM. NOTED		
NO.	STRUCTURE NOTAT'NS CHKD		

1 STA. 228+50, 10.0' RT
CB TC T1F CL
RIM = 891.50
INV = 887.55 (E)

2 STA. 228+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 890.98
INV = 887.35 (W)
INV = 887.25 (E)

3 STA. 228+50, 49.5' RT
MAN TA 4 DIA T1F CL
RIM = 891.35
INV = 887.15 (W)
INV = 887.05 (N)

5 STA. 229+00, 36.5' LT
INLETS TB T24F&G
RIM = 890.52
INV = 886.90 (E)
INV = 886.80 (W)

6 STA. 229+00, 41.6' LT
MAN TA 4 DIA T1F CL
RIM = 890.77
INV = 886.70 (E)
INV = 886.60 (N)

7 STA. 230+00, 10.0' RT
CB TC T1F CL
RIM = 890.44
INV = 886.70 (E)

8 STA. 230+00, 37.0' RT
CB TYA 4 DIA T24F&G
RIM = 889.81
INV = 886.50 (W)
INV = 886.40 (E)
INV = 886.98 (PD NW)

9 STA. 230+00, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 890.22
INV = 886.30 (W)
INV = 886.30 (S)
INV = 886.20 (N)

10 STA. 231+00, 10.0' LT
CB TC T24F&G
RIM = 889.59
INV = 885.35 (W)

11 STA. 231+00, 36.5' LT
INLETS TB T24F&G
RIM = 889.11
INV = 885.15 (E)
INV = 885.05 (W)

12 STA. 231+00, 41.6' LT
MAN TA 4 DIA T1F CL
RIM = 889.36
INV = 884.95 (E)
INV = 884.95 (S)
INV = 883.95 (N)

13 STA. 231+50, 10.0' RT
CB TC T24F&G
RIM = 889.26
INV = 885.85 (E)

14 STA. 231+50, 37.0' RT
CB TYA 4 DIA T24F&G
RIM = 888.73
INV = 885.65 (W)
INV = 885.55 (E)

15 STA. 231+50, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 889.10
INV = 885.45 (W)
INV = 885.45 (S)
INV = 885.35 (N)

16 STA. 233+00, 10.0' LT
CB TC T24F&G
RIM = 888.24
INV = 883.70 (W)

17 STA. 233+00, 36.5' LT
INLETS TB T24F&G
RIM = 887.76
INV = 883.50 (E)
INV = 883.40 (W)
INV = 884.93 (PD NE)

18 STA. 233+00, 42.6' LT
MAN TA 6D T1FCL R-PLT
RIM = 888.01
INV = 883.30 (E)
INV = 883.30 (S)
INV = 882.80 (N)

19 STA. 233+00, 10.0' RT
CB TC T24F&G
RIM = 888.24
INV = 884.50 (E)

20 STA. 232+90, 36.0' RT
CB TC T24F&G
RIM = 887.80
INV = 884.40 (N)

21 STA. 233+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.76
INV = 884.30 (W)
INV = 885.20 (S)
INV = 885.20 (E)

22 STA. 233+00, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 888.12
INV = 884.10 (W)
INV = 884.10 (S)
INV = 884.00 (N)

23 STA. 233+50, 10.0' LT
CB TC T24F&G
RIM = 888.16
INV = 883.70 (W)

24 STA. 233+60, 36.0' LT
CB TC T24F&G
RIM = 887.68
INV = 883.60 (W)

25 STA. 233+50, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 887.68
INV = 883.50 (E)
INV = 883.50 (N)
INV = 882.75 (W)

26 STA. 233+46, 63.4' LT
PRC FLAR END SEC 12
INV = 881.00 (E)

27 STA. 233+50, 10.0' RT
CB TC T24F&G
RIM = 888.16
INV = 884.25 (E)

28 STA. 233+60, 36.0' RT
CB TC T24F&G
RIM = 887.66
INV = 884.15 (S)

29 STA. 233+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.68
INV = 884.05 (W)
INV = 884.05 (N)
INV = 883.95 (E)

30 STA. 233+50, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 888.04
INV = 883.85 (W)
INV = 883.85 (S)
INV = 883.75 (N)

31 STA. 234+00, 10.0' LT
CB TC T24F&G
RIM = 888.24
INV = 883.85 (W)

32 STA. 234+00, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 887.76
INV = 883.65 (E)
INV = 882.15 (W)

33 STA. 233+72, 62.5' LT
PRC FLAR END SEC 12
INV = 881.70 (SE)

34 STA. 234+00, 10.0' RT
CB TC T24F&G
RIM = 888.24
INV = 884.00 (E)

35 STA. 234+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.76
INV = 883.80 (W)
INV = 883.70 (E)

36 STA. 234+00, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 888.12
INV = 883.60 (W)
INV = 883.60 (S)
INV = 883.50 (N)

37 STA. 235+15, 45.5' RT
MAN TA 5 DIA T1F CL
RIM = 888.77
INV = 883.15 (S)
INV = 883.15 (N)
INV = 885.05 (E)
INV = 883.05 (W)

38 STA. 233+45, 69.5' LT
PRC FLAR END SEC 18
INV = 880.25

39 STA. 235+15, 62.9' RT
PRC FLAR END S EQ RS 24
INV = 885.80 (W)

40 STA. 235+15, 60.3' LT
PRC FL END S EQ RS 24
INV = 882.85 (E)

41 STA. 235+50, 10.0' LT
CB TC T24F&G
RIM = 889.13
INV = 884.15 (W)

42 STA. 235+50, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 888.65
INV = 883.95 (E)
INV = 883.95 (N)
INV = 883.85 (W)
INV = 885.82 (PD SE)

43 STA. 235+60, 36.0' LT
CB TC T24F&G
RIM = 888.71
INV = 884.05 (S)

44 STA. 235+50, 43.6' LT
MAN TA 6D T1F CL R-PLT
RIM = 888.90
INV = 883.75 (N)
INV = 883.75 (E)
INV = 883.75 (SW)

45 STA. 235+31, 58.6' LT
PRC FLAR END SEC 15
INV = 883.55 (NE)

46 STA. 235+50, 10.0' RT
CB TC T24F&G
RIM = 889.13
INV = 884.60 (E)

47 STA. 235+60, 36.0' RT
CB TC T24F&G
RIM = 888.71
INV = 884.50 (S)

48 STA. 235+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 888.65
INV = 884.40 (W)
INV = 884.40 (N)
INV = 884.30 (E)

49 STA. 235+50, 45.5' RT
MAN TA 6D T1FCL R-PLT
RIM = 888.10
INV = 883.70 (N)
INV = 884.20 (W)
INV = 883.70 (SE)

50 STA. 233+43, 83.3' LT
MAN TA 4 DIA T1F CL
RIM = 889.70
INV = 880.50 (E)
INV = 879.10 (W)

51 STA. 237+50, 10.0' LT
CB TC T24F&G
RIM = 890.43
INV = 885.80 (W)

52 STA. 237+50, 36.5' LT
INLETS TB T24F&G
RIM = 889.95
INV = 885.60 (E)
INV = 885.50 (W)

53 STA. 237+50, 41.6' LT
MAN TA 4 DIA T1F CL
RIM = 890.20
INV = 885.40 (E)
INV = 884.50 (N)
INV = 884.40 (S)

54 STA. 237+50, 10.0' RT
CB TC T24F&G
RIM = 890.43
INV = 885.55 (E)

55 STA. 237+60, 36.0' RT
CB TC T24F&G
RIM = 890.01
INV = 885.45 (S)
INV = 887.18 (PD W)

56 STA. 237+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 889.95
INV = 885.35 (W)
INV = 885.35 (N)
INV = 885.25 (E)

57 STA. 237+50, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 890.31
INV = 885.15 (W)
INV = 884.50 (N)
INV = 884.40 (S)

58 STA. 239+00, 42.8' RT
CB TC T24F&G
RIM = 890.73
INV = 886.15 (E)

59 STA. 239+00, 51.3' RT
MAN TA 4 DIA T1F CL
RIM = 891.12
INV = 885.95 (W)
INV = 885.95 (N)
INV = 884.95 (S)

60 STA. 239+50, 11.3' RT
CB TC T24F&G
RIM = 891.73
INV = 886.95 (W)

60A STA. 239+50, 11.3' LT
CB TC T24F&G
RIM = 891.73
INV = 886.83 (E)
INV = 886.73 (W)

61 STA. 239+50, 36.8' LT
INLETS TB T24F&G
RIM = 891.25
INV = 886.60 (E)
INV = 886.50 (W)

30 46' - STORM SEW CL A 1, 18" @ 0.33%
TBF = 16.5 CU YD

31 24' - STORM SEW CL A 1, 12" @ 0.83%
TBF = 3.2 CU YD

32 29' - STORM SEW CL A 1, 12" @ 1.25%
TBF = 3.5 CU YD

33 NOT USED

34 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

35 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 1.8 CU YD

36 110' - STORM SEW CL A 1, 18" @ 0.32%
TBF = 71.2 CU YD

37 6' - STORM SEW CL A 1, 18" @ 4.17%
TBF = 0.0 CU YD

38 NOT USED

39 NOT USED

40 97' - PIPE CULVERT CL A 1, EQRS 24" @ 0.21%
TBF = 13.2 CU YD

41 24' - STORM SEW CL A 1, 12" @ 0.83%
TBF = 3.2 CU YD

42 6' - STORM SEW CL A 1, 12" @ 1.43%
TBF = 1.1 CU YD

43 2' - STORM SEW CL A 1, 12" @ 3.33%
TBF = 1.0 CU YD

44 17' - STORM SEW CL A 1, 15" @ 0.71%
TBF = 0.0 CU YD

45 NOT USED

46 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.0 CU YD

47 6' - STORM SEW CL A 1, 12" @ 1.25%
TBF = 1.0 CU YD

48 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 5.0 CU YD

49 192' - STORM SEW CL A 1, 24" @ 0.36%
TBF = 142 CU YD

50 30' - STORM SEW CL A 1, 15" @ 1.83%
TBF = 21 CU YD

51 25' - STORM SEW CL A 1, 12" @ 0.83%
TBF = 3.2 CU YD

52 2' - STORM SEW CL A 1, 12" @ 5.00%
TBF = 0.6 CU YD

53 195' - STORM SEW CL A 1, 24" @ 0.33%
TBF = 52.9 CU YD

54 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

55 6' - STORM SEW CL A 1, 12" @ 1.25%
TBF = 1.0 CU YD

56 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 5.0 CU YD

57 148' - STORM SEW CL A 1, 24" @ 0.31%
TBF = 124 CU YD

58 6' - STORM SEW CL A 1, 12" @ 3.33%
TBF = 3.0 CU YD

59 147' - STORM SEW CL A 1, 12" @ 0.68%
TBF = 93 CU YD

60 19' - STORM SEW CL A 1, 12" @ 0.63%
TBF = 0.0 CU YD

60A 24' - STORM SEW CL A 1, 12" @ 0.54%
TBF = 3.2 CU YD

61 2' - STORM SEW CL A 1, 12" @ 5.00%
TBF = 0.7 CU YD

62 196' - STORM SEW CL A 2, 24" @ 0.33%
TBF = 0.0 CU YD

63 6' - STORM SEW CL A 2, 12" @ 1.67%
TBF = 2.0 CU YD

64 146' - STORM SEW CL A 2, 12" @ 0.55%
TBF = 92.3 CU YD

65 6' - STORM SEW CL A 2, 12" @ 1.67%
TBF = 2.1 CU YD

66 NOT USED

67 28' - STORM SEW CL A 2, 12" @ 0.54%
TBF = 0.0 CU YD

67A 24' - STORM SEW CL A 2, 12" @ 0.63%
TBF = 3.3 CU YD

68 2' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 0.6 CU YD

69 196' - STORM SEW CL A 2, 12" @ 0.69%
TBF = 0.0 CU YD

70 6' - STORM SEW CL A 2, 12" @ 1.25%
TBF = 1.1 CU YD

71 8' PIPE CULVERT CL A 1, EQRS 24" @ 4.96%
TBF = 0.0 CU YD

72 6' - STORM SEW CL A 2, 12" @ 3.33%
TBF = 2.1 CU YD

73 241' - STORM SEW CL A 2, 15" @ 0.54%
TBF = 402.7 CU YD

74 28' - STORM SEW CL A 2, 12" @ 1.07%
TBF = 3.7 CU YD

75 4' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 10.6 CU YD

76 171' - STORM SEW CL A 3, 15" @ 0.50%
TBF = 273.9 CU YD

77 9' - STORM SEW CL A 2, 12" @ 14.44%
TBF = 0.0 CU YD

78 13' - STORM SEW CL A 2, 12" @ 0.67%
TBF = 2.0 CU YD

79 206' - STORM SEW CL A 2, 12" @ 1.50%
TBF = 0.0 CU YD

80 49' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 10.8 CU YD

81 4' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 14.2 CU YD

82 121' - STORM SEW CL A 2, 18" @ 0.54%
TBF = 175.3 CU YD

83 13' - STORM SEW CL A 2, 12" @ 0.67%
TBF = 2.0 CU YD

84 221' - STORM SEW CL A 2, 12" @ 1.40%
TBF = 0.0 CU YD

85 48' - STORM SEW CL A 2, 12" @ 0.82%
TBF = 6.5 CU YD

86 4' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 11.5 CU YD

87 146' - STORM SEW CL A 2, 18" @ 0.51%
TBF = 174.2 CU YD

88 48' - STORM SEW CL A 2, 12" @ 0.71%
TBF = 6.5 CU YD

89 4' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 5.4 CU YD

90 196' - STORM SEW CL A 2, 18" @ 0.51%
TBF = 176.8 CU YD

91 2' - STORM SEW CL A 2, 12" @ 3.33%
TBF = 0.4 CU YD

92 9'- STORM SEW CL A 2, 15" @ 0.67%
TBF = 0.0 CU YD

93 NOT USED

94 13' - STORM SEW CL A 2, 12" @ 0.67%
TBF = 2.1 CU YD

95 146' - STORM SEW CL A 2, 18" @ 0.86%
TBF = 59.6 CU YD

96 2' - STORM SEW CL A 2, 12" @ 3.33%
TBF = 0.4 CU YD

97 171' - STORM SEW CL A 2, 12" @ 1.40%
TBF = 0.0 CU YD

98 13' - STORM SEW CL A 2, 12" @ 1.33%
TBF = 2.1 CU YD

99 146' - STORM SEW CL A 2, 18" @ 1.40%
TBF = 59.6 CU YD

100 13' - STORM SEW CL A 2, 12" @ 0.67%
TBF = 2.1 CU YD

101 146' - STORM SEW CL A 2, 18" @ 1.47%
TBF = 55.9 CU YD

100A 24' - STORM SEW CL A 2, 12" @ 0.63%
TBF = 3.3 CU YD

102 30' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 4.3 CU YD

103 2'- STORM SEW CL A 2, 12" @ 5.00%
TBF = 0.6 CU YD

104 196' - STORM SEW CL A 2, 12" @ 2.14%
TBF = 0.0 CU YD

105 24' - STORM SEW CL A 2, 12" @ 0.60%
TBF = 3.3 CU YD

106 13' - STORM SEW CL A 2, 12" @ 0.77%
TBF = 4.5 CU YD

107 146' - STORM SEW CL A 2, 18" @ 1.44%
TBF = 55.9 CU YD

108 24' - STORM SEW CL A 2, 12" @ 1.25%
TBF = 3.2 CU YD

109 2' - STORM SEW CL A 2, 12" @5.00%
TBF = 0.7 CU YD

110 196' - STORM SEW CL A 2, 30" @ 0.31%
TBF = 77.3 CU YD

111 32' - STORM SEW CL A 2, 12" @ 0.56%
TBF = 4.8 CU YD

112 13' - STORM SEW CL A 2, 12" @ 0.77%
TBF = 4.5 CU YD

113 146' - STORM SEW CL A 2, 18" @ 2.64%
TBF = 105.1 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 = Y:\2278 Virginia Klasen\cad\sheet\11-DrainageAndUtilities\2278_D&U_20-23.dgn	USER NAME = dte	DESIGNED - KWH	REVISED -
		DRAWN - DTE	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 10/20/2011	DATE - 10/24/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

SCALE: | SHEET NO. 21 OF 23 SHEETS | STA | TO STA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	96-00209-01-PV	McHENRY	271	117

CONTRACT NO. 63553

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT HPP-4064(003)