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

PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK	B.M. NOTED		
NO.	STRUCTURE NOTATIONS OFKD		

A1 STA. 212+94, 9.5' LT
INLETS TB T24F&G
RIM = 889.11
INV = 884.73 (W)

A2 STA. 212+94, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 888.63
INV = 884.49 (E)
INV = 884.39 (W)

A3 STA. 212+94, 47.0' LT
MAN TA 4 DIA T8G
RIM = 887.60
INV = 882.21 (N)
INV = 882.31 (S)
INV = 883.31 (E)

A4 STA. 212+00, 46.0' RT
INLETS TB T8G
RIM = 886.00
INV = 882.70

A5 STA. 212+94, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 889.62
INV = 882.15 (N)
INV = 882.25 (S)
INV = 884.25 (W)

A6 STA. 212+94, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 888.63
INV = 884.54 (W)
INV = 884.44 (E)
INV = 885.80 (PD NW)

A7 STA. 212+94, 4.1' RT
INLETS TB T24F&G
RIM = 889.22
INV = 884.84 (E)

A8 STA. 213+83, 50.0' LT
MAN TA 4 DIA T8G
RIM = 886.90
INV = 881.68 (N)
INV = 881.78 (S)
INV = 881.68 (E)

A9 STA. 215+98.5, 49.0' LT
CB TA 5 DIA T24F&G
RIM = 889.37
INV = 882.37 (N)
INV = 880.62 (S)
INV = 880.50 (W)
(TIE INTO EXIST. PIPE)

A10 STA. 216+77, 49.0' LT
CB TA 4 DIA T24F&G
RIM = 888.98
INV = 882.85 (N)
INV = 882.75 (S)

A11 STA. 218+60, 49.0' LT
MAN TA 4 DIA T8G
RIM = 887.00
INV = 883.75 (S)
INV = 883.85 (E)

A12 STA. 218+60, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 888.31
INV = 883.93 (W)
INV = 884.03 (S)

A13 STA. 213+75, 68.0' RT
PRC FLAR END SEC 12
INV = 885.70

A14 STA. 213+83, 44.5' RT
MAN TA 4 DIA T1F CL
RIM = 889.30
INV = 881.62 (N)
INV = 881.72 (S)
INV = 883.62 (SE)
INV = 883.62 (W)

A15 STA. 216+75, 72.0' RT
PRC FLAR END SEC 12
INV = 884.70

A16 STA. 217+05, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 889.08
INV = 883.23 (W)
INV = 886.25 (PD W)

A17 STA. 217+05, 53.6' RT
MAN TA 7 DIA T1F CL
RIM = 889.30
INV = 879.93 (N)
INV = 880.03 (S)
INV = 881.93 (W)
INV = 881.93 (SE)

A18 STA. 218+70, 49.0' RT
CB TA 4 DIA T24F&G
RIM = 888.02
INV = 881.03 (E)
INV = 881.13 (S)

A19 STA. 218+75, 53.6' RT
MAN TA 7 DIA T1F CL
RIM = 888.36
INV = 879.00 (N)
INV = 879.10 (S)
INV = 881.00 (W)

A20 STA. 219+96, 36.5' LT
INLETS TA T24F&G
RIM = 887.78
INV = 883.40 (N)

A21 STA. 220+06, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 887.78
INV = 883.23 (W)
INV = 883.33 (S)

A22 STA. 220+06, 51.5' LT
MAN TA 7 DIA T8G
RIM = 886.40
INV = 880.80 (N)
INV = 880.90 (E)

A23 STA. 221+05, 55.0' LT
MAN TA 6 DIA T8G
RIM = 885.70
INV = 879.10 (N)
INV = 879.10 (S)
INV = 877.20 (E)
INV = 880.90 (W)
INV = 877.10 EX (W)

A24 STA. 222+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 888.92
INV = 884.54 (W)

A25 STA. 222+00, 5.2' RT
CB TA 4 DIA T24F&G
RIM = 889.46
INV = 884.26 (E)
INV = 884.16 (W)

A26 STA. 222+00, 6.0' LT
CB TA 4 DIA T24F&G
RIM = 889.45
INV = 884.08 (E)
INV = 883.98 (W)

A27 STA. 222+00, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 888.92
INV = 883.71 (E)
INV = 883.61 (W)
INV = 886.09 (PD NE)

A28 STA. 222+00, 55.0' LT
MAN TA 7 DIA T8G
RIM = 886.70
INV = 880.12 (N)
INV = 880.02 (S)
INV = 882.00 (E)

A29 STA. 224+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 890.92
INV = 886.54 (W)

A30 STA. 224+00, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 890.92
INV = 885.84 (E)
INV = 885.74 (W)
INV = 888.09 (PD NE)

A31 STA. 219+96, 36.5' RT
INLETS TA T24F&G
RIM = 887.78
INV = 883.40 (N)

A32 STA. 220+06, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.78
INV = 883.33 (S)
INV = 881.56 (E)
INV = 884.95 (PD W)

A33 STA. 220+06, 46.0' RT
MAN TA 7 DIA T1F CL
RIM = 887.98
INV = 878.26 (N)
INV = 878.36 (S)
INV = 881.26 (W)

A34 STA. 221+05, 68.0' RT
PRC FLAR END SEC 30
W/GRATING
INV = 884.30

A35 STA. 221+05, 44.5' RT
MAN TA 6 DIA T1F CL
RIM = 888.90
INV = 877.80 (S)
INV = 879.70 (E)
INV = 877.70 (W)

A36 STA. 220+95, 44.5' RT
MAN TA 7 DIA T1F CL R-PLT
RIM = 888.22
INV = 877.82 (N)
INV = 877.92 (S)

A37 STA. 224+00, 48.0' LT
MAN TA 7 DIA T8G
RIM = 890.00
INV = 882.05 (S)
INV = 884.00 (E)

A38 STA. 221+15, 55.0' LT
MAN TA 7 DIA T1 F CL R-PLT
RIM = 885.80
INV = 879.24 (N)
INV = 879.14 (S)

A39 STA. 220+95, 55.0' LT
MAN TA 7 DIA T1F CL R-PLT
RIM = 885.70
INV = 879.14 (N)
INV = 879.24 (S)

A40 STA. 213+83, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 888.99
INV = 883.78 (W)
INV = 883.68 (E)

A41 STA. 213+83, 2.9' LT
INLETS TB T24F&G
RIM = 889.71
INV = 885.33 (E)

A42 STA. 213+83, 9.5' LT
INLETS TB T24F&G
RIM = 889.47
INV = 885.09 (W)

A43 STA. 213+83, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 888.99
INV = 884.85 (E)
INV = 884.75 (W)

A44 STA. 218+60, 48.5' RT
INLETS TB T24F&G
RIM = 888.07
INV = 881.20 (N)

A45 STA. 218+50, 36.5' LT
INLETS TB T24F&G
RIM = 888.36
INV = 884.10 (N)

A46 STA. 221+05, 79.3' LT
PRC FLAR END SEC 18
INV = 880.68 (E)

A1 24' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 3.2 CU YD

A2 8' - STORM SEW CL A 1, 15" @ 13.50%
TBF = 0.6 CU YD

A3 91' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 21.5 CU YD

A4 30' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 4.0 CU YD

A5 4' - STORM SEW CL A 1, 12" @ 4.75%
TBF = 2.3 CU YD

A6 85' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 0.0 CU YD

A7 211' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 20.1 CU YD

A8 75' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 28.7 CU YD

A9 179' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 27.5 CU YD

A10 8' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.6 CU YD

A11 85' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 66.2 CU YD

A12 17' - STORM SEW CL A 1, 12" @ 12.24%
TBF = 0.0 CU YD

A13 318' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 313.2 CU YD

A14 13' - STORM SEW CL A 1, 12" @ 10.0%
TBF = 8.2 CU YD

A15 27' - STORM SEW CL A 1, 12" @ 7.91%
TBF = 2.0 CU YD

A16 166' - STORM SEW CL A 1, 48" @ 0.50%
TBF = 213.2 CU YD

A17 3' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 2.1 CU YD

A18 6' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.1 CU YD

A19 10' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.6 CU YD

A20 82' - STORM SEW CL A 1, 48" @ 1.90%
TBF = 0.0 CU YD

A21 78' - STORM SEW CL A 1, 48" @ 1.00%
TBF = 0.0 CU YD

A22 28' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 5.4 CU YD

A23 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.9 CU YD

A24 27' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6.4 CU YD

A25 13' - STORM SEW CL A 1, 12" @ 12.38%
TBF = 0.6 CU YD

A26 193' - STORM SEW CL A 1, 48" @ 1.00%
TBF = 0.0 CU YD

A27 70' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 12.1 CU YD

A28 127' - STORM SEW CL A 1, 48" @ 0.50%
TBF = 163.1 CU YD

A29 6' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.1 CU YD

A30 4' - STORM SEW CL A 1, 12" @ 7.50%
TBF = 9.1 CU YD

A31 82' - STORM SEW CL A 1, 48" @ 0.42%
TBF = 124.4 CU YD

A32 15' - STORM SEW CL A 1, 30" @ 30.67%
TBF = 0.0 CU YD

A33 94' - STORM SEW CL A 1, 30" @ 0.53%
TBF = 131.6 CU YD

A34 6' - STORM SEW CL A 1, 12" @ 29.00%
TBF = 1.0 CU YD

A35 4' - STORM SEW CL A 1, 24" @ 0.42%
TBF = 6.0 CU YD

A36 4' - STORM SEW CL A 1, 18" @ 1.00%
TBF = 0.0 CU YD

A37 4' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0.0 CU YD

A38 3' - STORM SEW CL A 1, 12" @ 2.00%
TBF = 1.0 CU YD

A39 37' - STORM SEW CL A 1, 12" @ 4.19%
TBF = 5.0 CU YD

A40 24' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 3.2 CU YD

A41 9' - STORM SEW CL A 1, 12" @ 34.10%
TBF = 0.0 CU YD

A42 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

A43 7' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1.0 CU YD

A44 14' - STORM SEW CL A 1, 18" @ 1.00%
TBF = 0.0 CU YD

1 24' - STORM SEW CL A 1, 12" @ 0.83%
TBF = 3.3 CU YD

2 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 3.3 CU YD

3 146' - STORM SEW CL A 1, 12" @ 0.51%
TBF = 43.7 CU YD

5 3' - STORM SEW CL A 1, 12" @ 5.00%
TBF = 0.5 CU YD

6 196' - STORM SEW CL A 1, 12" @ 0.84%
TBF = 0.0 CU YD

7 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

8 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 3.3 CU YD

9 146' - STORM SEW CL A 1, 12" @ 0.51%
TBF = 40.6 CU YD

10 28' - STORM SEW CL A 1, 12" @ 0.71%
TBF = 3.2 CU YD

11 2' - STORM SEW CL A 1, 12" @ 5.00%
TBF = 0.5 CU YD

12 196' - STORM SEW CL A 1, 21" @ 0.33%
TBF = 0.0 CU YD

13 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

14 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 3.0 CU YD

15 146' - STORM SEW CL A 1, 12" @ 0.86%
TBF = 40.6 CU YD

16 24' - STORM SEW CL A 1, 12" @ 0.83%
TBF = 3.2 CU YD

17 2' - STORM SEW CL A 1, 12" @ 3.33%
TBF = 0.9 CU YD

18 18' - STORM SEW CL A 1, 12" @ 1.30%
TBF = 0.0 CU YD

19 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

20 6' - STORM SEW CL A 1, 12" @ 1.25%
TBF = 1.1 CU YD

21 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 3.3 CU YD

22 46' - STORM SEW CL A 1, 18" @ 0.33%
TBF = 14.1 CU YD

23 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

24 6' - STORM SEW CL A 1, 12" @ 1.25%
TBF = 1.9 CU YD

25 19' - STORM SEW CL A 1, 12" @ 7.00%
TBF = 0.6 CU YD

26 EXISTING STORM SEWER, 18"

27 24' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3.3 CU YD

28 6' - STORM SEW CL A 1, 12" @ 1.25%
TBF = 1.1 CU YD

29 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 3.6 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_22-23.dgn	USER NAME = dte	DESIGNED - KWH	REVISED -
		DRAWN - DTE	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 10/24/2011	DATE - 10/24/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

SCALE: | SHEET NO. 20 OF 23 SHEETS | STA | TO STA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	96-00209-01-PV	McHENRY	271	116

CONTRACT NO. 63553

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