

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	ATTORNEY	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	ATTORNEY	
	NOTARIS OFFID	

- 1 STA. 277+52, 51.6' LT
PRC FLAR END SEC 15
INV = 878.10 (NE)
- 2 STA. 277+75, 41.9' LT
MAN TA 6 DIA W/2 TIF OL R-PLT
RIM = 881.85
INV = 878.20 (N)
INV = 878.20 (SW)
- 3 STA. 278+25, 42.8' LT
MAN TA 5 DIA TIF CL
RIM = 882.65
INV = 878.40 (E)
INV = 878.40 (N)
INV = 878.30 (S)
- 4 STA. 278+25, 10' LT
CB TC T24F&G
RIM = 882.73
INV = 878.65 (W)
- 5 STA. 278+25, 36.5' LT
INLETS TB T24F&G
RIM = 882.25
INV = 878.60 (E)
INV = 878.50 (W)
- 6 STA. 278+61, 63.6' RT
PRC FLAR END SEC 18
INV = 880.10 (NW)
- 7 STA. 279+00, 44.5' RT
MAN TA 6 DIA W/2 TIF OL R-PLT
RIM = 884.04
INV = 880.20 (N)
INV = 880.20 (SE)
- 8 STA. 279+50, 44.5' RT
MAN TA 5 DIA TIF CL
RIM = 885.02
INV = 880.40 (N)
INV = 880.40 (W)
INV = 880.30 (S)
- 9 STA. 279+50, 36.0' RT
CB TC T24F&G
RIM = 884.63
INV = 881.83 (PD)
INV = 880.50 (E)
- 10 STA. 280+00, 41.6' LT
MAN TA 5 DIA TIF CL
RIM = 886.00
INV = 880.80 (E)
INV = 878.90 (N)
INV = 878.80 (S)
- 11 STA. 280+00, 36.0' LT
CB TC T24F&G
RIM = 885.58
INV = 880.90 (W)
- 12 STA. 281+50, 44.5' RT
MAN TA 5 DIA TIF CL
RIM = 888.58
INV = 882.85 (W)
INV = 880.95 (N)
INV = 880.85 (S)
- 13 STA. 281+50, 36.0' RT
CB TC T24F&G
RIM = 888.19
INV = 883.05 (E)
- 14 STA. 281+67, 47.5' LT
CB TA 5 DIA T24F&G
RIM = 888.21
INV = 881.25 (N)
INV = 879.25 (S)
- 15 STA. 281+77, 46.0' LT
CB TC T24F&G
RIM = 888.33
INV = 881.60 (S)
- 16 STA. 282+65, 44.5' RT
MAN TA 5 DIA TIF CL
RIM = 889.81
INV = 885.25 (NE)
INV = 883.20 (W)
INV = 881.20 (S)

- 17 STA. 282+65, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 889.30
INV = 886.50 (PD)
INV = 884.40 (N)
INV = 883.40 (E)
- 18 STA. 282+75, 36.0' RT
CB TC T24F&G
RIM = 889.36
INV = 884.60 (S)
- 19 STA. 285+50, 36.0' LT
CB TC T24F&G
RIM = 888.63
INV = 883.95 (E)
- 20 STA. 285+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 888.63
INV = 885.34 (PD)
INV = 883.25 (W)
INV = 882.75 (E)
- 21 STA. 285+50, 55.1' RT
MAN TA 5 DIA TIF CL
RIM = 888.82
INV = 882.40 (W)
INV = 876.40 (N)
- 22 STA. 286+60, 95.0' LT
PRC FLAR END SEC 24
INV = 870.77 (NE)
- 23 STA. 287+00, 104.6' RT
PRC FLAR END SEC 24
W/ GRATING
INV = 871.17 (SW)
- 24 STA. 287+40, 36.0' LT
CB TC T24F&G
RIM = 887.41
INV = 882.95 (N)
- 25 STA. 287+50, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 887.34
INV = 882.85 (S)
INV = 882.85 (E)
- 26 STA. 287+50, 7.2' LT
CB TA 4 DIA T24F&G
RIM = 887.85
INV = 882.25 (W)
INV = 882.25 (E)
- 27 STA. 287+50, 9.0' RT
CB TA 4 DIA T24F&G
RIM = 887.82
INV = 881.95 (W)
INV = 880.95 (E)
- 28 STA. 287+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 887.34
INV = 884.05 (PD)
INV = 880.35 (W)
INV = 878.35 (E)
- 29 STA. 287+50, 55.1' RT
MAN TA 5 DIA TIF CL
RIM = 887.53
INV = 878.00 (W)
INV = 876.10 (S)
INV = 876.00 (N)
- 30 STA. 289+50, 56.1' RT
MAN TA 7 DIA TIF CL
RIM = 886.23
INV = 877.60 (W)
INV = 875.70 (S)
INV = 875.70 (N)
INV = 875.60 (E)
- 31 STA. 289+50, 36.0' LT
CB TC T24F&G
RIM = 886.05
INV = 881.60 (E)

- 32 STA. 289+50, 9.0' LT
CB TA 4 DIA T24F&G
RIM = 886.53
INV = 881.00 (W)
INV = 881.00 (E)
- 33 STA. 289+50, 8.3' RT
CB TA 4 DIA T24F&G
RIM = 886.53
INV = 880.65 (W)
INV = 879.65 (E)
- 34 STA. 289+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 886.04
INV = 883.25 (PD)
INV = 878.95 (W)
INV = 877.95 (E)
- 35 STA. 289+50, 68.1' RT
MAN TA 6 DIA W/2 TIF OL R-PLT
RIM = 883.53
INV = 875.50 (W)
INV = 874.50 (SE)
- 36 STA. 289+34.75, 91.5' RT
PRC FLAR END SEC 21
INV = 872.93 (NW)
- 37 STA. 291+50, 55.1' RT
MAN TA 5 DIA TIF CL
RIM = 885.60
INV = 878.00 (W)
INV = 876.10 (N)
INV = 876.00 (S)
- 38 STA. 291+00, 36.0' LT
CB TC T24F&G
RIM = 885.08
INV = 880.00 (E)
- 39 STA. 291+00, 9.0' LT
CB TA 4 DIA T24F&G
RIM = 885.56
INV = 879.65 (W)
INV = 879.65 (E)
- 40 STA. 291+00, 2.8' LT
CB TA 4 DIA T24F&G
RIM = 885.74
INV = 879.55 (W)
INV = 879.55 (NE)
- 41 STA. 291+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 884.76
INV = 881.96 (PD)
INV = 878.35 (SW)
INV = 878.35 (E)
- 42 STA. 293+48, 55.6' RT
MAN TA 5 DIA TIF CL
RIM = 884.76
INV = 877.40 (W)
INV = 876.40 (S)
- 43 STA. 292+50, 36.0' LT
CB TC T24F&G
RIM = 884.12
INV = 879.15 (W)
- 44 STA. 292+50, 41.6' LT
MAN TA 4 DIA TIF CL
RIM = 884.52
INV = 879.05 (E)
INV = 878.95 (N)
- 45 STA. 293+38, 47.0' LT
CB TA 4 DIA T24F&G
RIM = 883.67
INV = 878.10 (S)
INV = 878.10 (N)
- 46 STA. 293+48, 47.0' LT
MAN TA 5 DIA T24F&G
RIM = 883.68
INV = 878.00 (S)
INV = 878.00 (N)
INV = 877.90 (E)

- 47 STA. 294+60, 36.0' LT
CB TC T24F&G
RIM = 884.29
INV = 880.00 (S)
- 48 STA. 294+50, 36.5' LT
INLETS TB T24F&G
RIM = 884.24
INV = 879.90 (N)
INV = 879.10 (W)
- 49 STA. 294+50, 42.6' LT
MAN TA 4 DIA TIF CL
RIM = 884.59
INV = 879.00 (E)
INV = 878.90 (S)
- 50 STA. 293+48, 37.0' RT
MAN TA 4 DIA T24F&G
RIM = 883.88
INV = 880.83 (PD)
INV = 878.50 (S)
INV = 877.60 (W)
INV = 877.50 (E)
- 51 STA. 293+38, 36.0' RT
CB TC T24F&G
RIM = 883.87
INV = 878.70 (N)
- 22A STA. 286+67, 59.1' LT
MAN TA 5 DIA TIF CL
RIM = 883.57
INV = 872.86 (S)
INV = 870.86 (E)
INV = 870.86 (W)
- 22B STA. 285+00, 59.1' LT
PRC FLAR END SEC 15
INV = 884.03 (S)

- 1 16' - STORM SEWERS, CL A, TYPE 1 15" @ 0.45%
TBF = 0.0 CU YD
- 2 45' - STORM SEWERS, CL A, TYPE 1 EQRS 30" @ 0.22%
TBF = 0.0 CU YD
- 3 24' - STORM SEWERS, CL A, TYPE 1 12" @ 0.21%
TBF = 3.2 CU YD
- 4 3' - STORM SEWERS, CL A, TYPE 1 12" @ 3.33%
TBF = 0.0 CU YD
- 5 40' - STORM SEWERS, CL A, TYPE 1 18" @ 0.25%
TBF = 1.5 CU YD
- 6 45' - STORM SEWERS, CL A, TYPE 1 EQRS 30" @ 0.22%
TBF = 12.9 CU YD
- 7 6' - STORM SEWERS, CL A, TYPE 1 12" @ 1.67%
TBF = 1.3 CU YD
- 8 171' - STORM SEWERS, CL A, TYPE 1 EQRS 30" @ 0.23%
TBF = 0.0 CU YD
- 9 3' - STORM SEWERS, CL A, TYPE 2 12" @ 3.33%
TBF = 0.5 CU YD
- 10 196' - STORM SEWERS, CL A, TYPE 1 EQRS 30" @ 0.23%
TBF = 173.9 CU YD
- 11 6' - STORM SEWERS, CL A, TYPE 2 12" @ 3.33%
TBF = 1.9 CU YD
- 12 163' - STORM SEWERS, CL A, TYPE 2 EQRS 30" @ 0.21%
TBF = 69.0 CU YD
- 13 7' - STORM SEWERS, CL A, TYPE 2 12" @ 5.00%
TBF = 3.6 CU YD
- 14 111' - STORM SEWERS, CL A, TYPE 2 EQRS 30" @ 0.23%
TBF = 148.6 CU YD
- 15 4' - STORM SEWERS, CL A, TYPE 2 12" @ 5.00%
TBF = 2.1 CU YD
- 16 7' - STORM SEWERS, CL A, TYPE 1 12" @ 2.86%
TBF = 1.3 CU YD
- 17 70' - STORM SEWERS, CL A, TYPE 1 12" @ 1.00%
TBF = 23.5 CU YD
- 18 14' - STORM SEWERS, CL A, TYPE 2 12" @ 2.50%
TBF = 8.0 CU YD
- 19 196' - STORM SEWERS, CL A, TYPE 2 36" @ 0.15%
TBF = 416.5 CU YD
- 20 194' - PIPE CULVERTS, CL A, TYPE 3 24" @ 0.17%
TBF = 284.4 CU YD
(SEE NOTE 3)
- 21 7' - STORM SEWERS, CL A, TYPE 1 12" @ 1.43%
TBF = 1.2 CU YD
- 22 26' - STORM SEWERS, CL A, TYPE 1 12" @ 2.31%
TBF = 9.7 CU YD
- 23 12' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 7.8 CU YD
- 24 24' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 15.2 CU YD
- 25 14' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 13.5 CU YD
- 26 194' - STORM SEWERS, CL A, TYPE 2 36" @ 0.15%
TBF = 371.1 CU YD
- 27 24' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 4.9 CU YD
- 28 13' - STORM SEWERS, CL A, TYPE 1 12" @ 2.69%
TBF = 8.4 CU YD
- 29 25' - STORM SEWERS, CL A, TYPE 2 12" @ 2.80%
TBF = 16.2 CU YD
- 30 14' - STORM SEWERS, CL A, TYPE 2 12" @ 2.50%
TBF = 10.8 CU YD

- 31 3' - STORM SEWERS, CL A, TYPE 2 36" @ 3.33%
TBF = 4.4 CU YD
- 32 19' - STORM SEWERS, CL A, TYPE 1 21" @ 1.60%
TBF = 7.2 CU YD
- 33 195' - STORM SEWERS, CL A, TYPE 2 36" @ 0.15%
TBF = 308.5 CU YD
- 34 24' - STORM SEWERS, CL A, TYPE 1 12" @ 1.46%
TBF = 6.2 CU YD
- 35 4' - STORM SEWERS, CL A, TYPE 1 12" @ 2.50%
TBF = 1.3 CU YD
- 36 60' - STORM SEWERS, CL A, TYPE 1 12" @ 2.00%
TBF = 20.5 CU YD
- 37 14' - STORM SEWERS, CL A, TYPE 2 12" @ 2.50%
TBF = 8.9 CU YD
- 38 194' - STORM SEWERS, CL A, TYPE 2 36" @ 0.15%
TBF = 239.8 CU YD
- 39 3' - STORM SEWERS, CL A, TYPE 1 12" @ 3.33%
TBF = 0.7 CU YD
- 40 84' - STORM SEWERS, CL A, TYPE 2 12" @ 1.01%
TBF = 12.0 CU YD
- 41 6' - STORM SEWERS, CL A, TYPE 2 12" @ 1.67%
TBF = 3.8 CU YD
- 42 8' - STORM SEWERS, CL A, TYPE 1 12" @ 1.25%
TBF = 1.1 CU YD
- 43 3' - STORM SEWERS, CL A, TYPE 2 12" @ 3.33%
TBF = 0.8 CU YD
- 44 98' - STORM SEWERS, CL A, TYPE 2 12" @ 0.92%
TBF = 28.5 CU YD
- 45 80' - STORM SEWERS, CL A, TYPE 1 15" @ 0.37%
TBF = 56.9 CU YD
- 46 7' - STORM SEWERS, CL A, TYPE 1 12" @ 2.86%
TBF = 2.6 CU YD
- 47 14' - STORM SEWERS, CL A, TYPE 2 18" @ 0.71%
TBF = 8.9 CU YD
- 20A 159' - STORM SEWERS, CL A, TYPE 2 15" @ 6.69%
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.
 3. CONTRACTOR HAS THE OPTION TO JACK IN PLACE PIPE CULVERT.

FILE NAME = ...\\2278NG.D&U.11.dgn	USER NAME = kwh	DESIGNED - KWH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	DRAWN - DTE	REVISED -					3887	18W&RS-5 (12)	McHENRY	151	64
	PLOT DATE = 12/17/2013	CHECKED - GAB	REVISED -		CONTRACT NO. 60V72							
		DATE - 12/17/2013	REVISED -		SCALE:	SHEET NO. 11	OF 13 SHEETS	STA	TO STA	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT