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ILLINOIS ROUTE 31

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- 134 STA. 265+40, 36.0' RT
CB TC T24F&G
RIM = 867.12
INV = 863.25 (S)
- 135 STA. 265+40, 54.5' RT
MAN TA 5 DIA TIF CL
RIM = 867.28
INV = 862.95 (S)
INV = 862.95 (W)
INV = 862.85 (NE)
- 136 STA. 265+50, 53.6' RT
MAN TA 6 DIA TIF CL
RIM = 867.28
INV = 863.65 (E)
INV = 862.75 (N)
INV = 862.65 (W)
- 137 STA. 265+50, 63.6' RT
PRC FLAR END S EQ RS 24
INV = 864.28 (W)
- 138 NOT USED
- 139 STA. 265+75, 53.6' RT
MAN TA 6D TIFCL R-PLT
RIM = 867.97
INV = 862.45 (N)
INV = 862.35 (SE)
- 140 STA. 265+50, 60.0' LT
PRC FLAR END S EQRS 24
INV = 861.40 (E)
- 141 STA. 265+43, 71.9' LT
PRC FLAR END SEC 30
W/ GRATING
INV = 860.95 EX (E)
- 142 NOT USED
- 143 STA. 265+75, 50.4' LT
MAN TA 6D TIFCL R-PLT
RIM = 867.34
INV = 861.85 (N)
INV = 861.85 (S)
- 144 STA. 267+00, 36.0' RT
CB TC T24F&G
RIM = 867.99
INV = 863.40 (E)
- 145 STA. 267+00, 53.6' RT
MAN TA 5 DIA TIF CL
RIM = 868.15
INV = 863.20 (N)
INV = 863.20 (W)
INV = 863.25 (S)
- 146 STA. 267+00, 36.3' LT
CB TC T24F&G
RIM = 867.98
INV = 863.40 (W)
- 147 STA. 267+00, 41.9' LT
MAN TA 4 DIA TIF CL
RIM = 868.23
INV = 862.35 (N)
INV = 863.25 (E)
INV = 862.25 (S)
- 148 STA. 268+50, 36.0' RT
CB TC T24F&G
RIM = 869.63
INV = 865.25 (E)
INV = 866.80 (PD W)
- 149 STA. 268+50, 53.6' RT
MAN TA 5 DIA TIF CL
RIM = 869.79
INV = 865.05 (W)
INV = 863.65 (N)
INV = 863.55 (S)

- 150 STA. 268+50, 36.0' LT
CB TC T24F&G
RIM = 869.63
INV = 864.85 (W)
- 151 STA. 268+50, 41.6' LT
MAN TA 4 DIA TIF CL
RIM = 869.88
INV = 864.80 (E)
INV = 862.90 (N)
INV = 862.80 (S)
- 152 NOT USED
- 153 STA. 270+95, 10.0' LT
CB TC T24F&G
RIM = 870.53
INV = 866.10 (S)
- 154 STA. 270+85, 9.0' LT
CB TA 4 DIA T24F&G
RIM = 870.53
INV = 866.00 (N)
INV = 865.90 (W)
- 155 STA. 270+95, 36.0' LT
CB TC T24F&G
RIM = 870.11
INV = 865.45 (S)
- 156 STA. 270+85, 37.0' LT
CB TA 4 DIA T24F&G
RIM = 870.11
INV = 865.25 (W)
INV = 865.35 (N)
INV = 865.35 (E)
- 157 STA. 270+85, 41.6' LT
MAN TA 4 DIA TIF CL
RIM = 870.05
INV = 863.65 (S)
INV = 865.15 (N)
INV = 865.15 (E)
- 158 STA. 270+95, 10.0' RT
CB TC T24F&G
RIM = 870.53
INV = 865.90 (S)
- 159 STA. 270+85, 9.0' RT
CB TA 4 DIA T24F&G
RIM = 870.53
INV = 865.80 (N)
INV = 865.70 (E)
- 160 STA. 270+85, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 870.05
INV = 865.50 (N)
INV = 865.50 (W)
INV = 865.40 (E)
INV = 867.22 (PD SW)
- 161 STA. 270+95, 36.0' RT
CB TC T24F&G
RIM = 870.05
INV = 865.60 (S)
- 162 STA. 270+85, 53.6' RT
MAN TA 5 DIA TIF CL
RIM = 870.25
INV = 865.30 (N)
INV = 865.30 (W)
INV = 864.30 (S)
- 163 STA. 272+00, 10.0' RT
CB TC T24F&G
RIM = 871.15
INV = 866.80 (E)
- 164 STA. 272+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 870.67
INV = 866.60 (W)
INV = 866.50 (E)

- 165 STA. 272+00, 53.6' RT
MAN TA 4 DIA TIF CL
RIM = 870.83
INV = 866.40 (W)
INV = 866.40 (N)
INV = 866.30 (S)
- 166 STA. 272+50, 10.0' LT
CB TC T24F&G
RIM = 871.83
INV = 867.55 (W)
- 167 STA. 272+50, 36.5' LT
INLETS TB T24F&G
RIM = 871.41
INV = 867.15 (W)
INV = 867.25 (E)
- 168 STA. 272+50, 41.6' LT
MAN TA 4 DIA TIF CL
RIM = 871.34
INV = 866.95 (S)
INV = 867.05 (N)
INV = 867.05 (E)
- 169 STA. 273+50, 10.0' RT
CB TC T24F&G
RIM = 873.69
INV = 869.35 (E)
- 170 STA. 273+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 873.21
INV = 869.15 (W)
INV = 869.05 (E)
INV = 870.38 (PD NW)
- 171 STA. 273+50, 53.6' RT
MAN TA 4 DIA TIF CL
RIM = 873.37
INV = 868.95 (W)
INV = 868.95 (N)
INV = 868.85 (S)
- 172 STA. 274+50, 10.0' LT
CB TC TIF CL
RIM = 875.72
INV = 870.80 (W)
- 173 STA. 274+50, 36.5' LT
INLETS TB T24F&G
RIM = 875.10
INV = 870.50 (E)
INV = 870.40 (W)
- 174 STA. 274+50, 41.6' LT
MAN TA 4 DIA TIF CL
RIM = 875.35
INV = 870.30 (E)
INV = 870.30 (N)
INV = 870.20 (S)
- 175 STA. 275+00, 10.0' RT
CB TC TIF CL
RIM = 876.66
INV = 871.80 (E)

- 176 STA. 275+00, 35.0' RT
CB TA 4 DIA T24F&G
RIM = 876.03
INV = 871.60 (W)
INV = 871.50 (E)
- 177 STA. 275+10, 53.6' RT
MAN TA 4 DIA TIF CL
RIM = 876.74
INV = 871.40 (W)
INV = 871.40 (N)
INV = 871.30 (S)
- 178 STA. 276+50, 10.0' RT
CB TC TIF CL
RIM = 879.44
INV = 874.50 (E)
- 179 STA. 276+50, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 878.81
INV = 874.30 (W)
INV = 874.20 (E)
INV = 875.98 (PD NW)
- 180 STA. 276+50, 53.6' RT
MAN TA 4 DIA TIF CL
RIM = 878.97
INV = 874.10 (W)
INV = 874.10 (N)
INV = 874.00 (S)
- 181 STA. 276+50, 11.0' LT
CB TC TIF CL
RIM = 879.43
INV = 874.40 (W)
- 182 STA. 276+50, 36.5' LT
INLETS TB T24F&G
RIM = 878.81
INV = 874.20 (E)
INV = 874.10 (W)
- 183 STA. 276+50, 41.6' LT
MAN TA 4 DIA TIF CL
RIM = 879.06
INV = 874.00 (E)
INV = 873.90 (S)
- 184 STA. 278+00, 10.0' RT
CB TC TIF CL
RIM = 882.09
INV = 884.60 (E)
INV = 877.10 (E)
- 185 STA. 278+00, 37.0' RT
CB TA 4 DIA T24F&G
RIM = 881.49
INV = 876.90 (W)
INV = 876.80 (E)
- 186 STA. 278+00, 53.6' RT
MAN TA 4 DIA TIF CL
RIM = 881.18
INV = 876.70 (W)
INV = 876.60 (S)
- 187 STA. 235+66, 59.4' LT
MET END SEC 15
INV = 884.36 (N)
- 188 STA. 237+00, 54.1' LT
MET END SEC 15
INV = 886.87 (S)
- 189 STA. 235+88, 65.3' RT
MET END SEC 15
INV = 886.72 (N)
- 190 STA. 236+87, 64.7' RT
MET END SEC 15
INV = 887.27 (S)
- 191 STA. 245+87, 70.1' RT
MET END SEC 15
INV = 892.00 (N)

- 192 STA. 246+29, 70.5' RT
MET END SEC 15
INV = 891.33 (S)
- 193 STA. 258+00, 52.6' LT
PRC FLAR END SEC 12
INV = 873.65 (E)
- 194 STA. 248+32, 69.6' RT
MET END SEC 15
INV = 888.95 (S)
- 195 STA. 249+28, 69.6' RT
MET END SEC 15
INV = 887.50 (N)
- 196 STA. 250+01, 69.6' RT
MET END SEC 15
INV = 886.38 (S)
- 197 STA. 274+72, 63.6' RT
MET END SEC 15
INV = 872.67 (N)
- 198 STA. 275+14, 63.6' RT
MET END SEC 15
INV = 873.45 (S)
- 199 STA. 268+00, 52.4' LT
MET END SEC 15
INV = 865.82 (N)
- 200 STA. 270+23, 52.0' LT
MET END SEC 15
INV = 866.06 (S)
- 201 STA. 247+78, 69.8' RT
MET END SEC 15
INV = 889.72
- 800 STA. 227+04, 58.6' RT
CONCRETE HEADWALLS FOR PIPE DRAINS
RIM = 890.20
INV = 887.37 (PD)

KLASEN ROAD

- 400 STA. 100+02, 43.7' RT
MAN TA 6D TIFCL R-PLT
RIM = 892.99
INV = 884.60 (E)
INV = 884.60 (N)
- 401 STA. 100+25, 38.9' RT
CB TC T24F&G
RIM = 892.54
INV = 886.80 (SE)
- 402 STA. 100+28, 43.8' RT
MAN TA 4 DIA TIF CL
RIM = 893.24
INV = 884.80 (E)
INV = 886.70 (NW)
INV = 884.70 (W)

VIRGINIA ROAD

- 500 STA. 98+95, 48.7' LT
CB TC T24F&G
RIM = 884.04
INV = 880.55 (S)
- 501 NOT USED
- 502 STA. 98+92, 20.0' RT
CB TA 4 DIA T24F&G
RIM = 884.35
INV = 880.25 (N)
INV = 880.15 (S)
- 503 STA. 98+92, 41.5' RT
PRC FLAR END SEC 12
INV = 880.00 (N)

- 170 13' - STORM SEW CL A 2, 12" @ 0.77%
TBF = 3.6 CU YD
- 171 156' - STORM SEW CL A 2, 12" @ 1.51%
TBF = 53.2 CU YD
- 172 24' - STORM SEW CL A 2, 12" @ 1.25%
TBF = 3.2 CU YD
- 173 2' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 0.7 CU YD
- 174 196' - STORM SEW CL A 2, 12" @ 1.84%
TBF = 0.0 CU YD
- 175 24' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 3.3 CU YD
- 176 16' - STORM SEW CL A 2, 12" @ 0.63%
TBF = 5.8 CU YD
- 177 136' - STORM SEW CL A 2, 12" @ 1.91%
TBF = 49.2 CU YD
- 178 24' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 3.3 CU YD
- 179 13' - STORM SEW CL A 2, 12" @ 0.77%
TBF = 4.5 CU YD
- 180 146' - STORM SEW CL A 2, 12" @ 1.71%
TBF = 49.8 CU YD
- 181 24' - STORM SEW CL A 2, 12" @ 0.83%
TBF = 3.2 CU YD
- 182 2' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 0.7 CU YD
- 183 NOT USED
- 184 24' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 3.3 CU YD
- 185 15' - STORM SEW CL A 2, 12" @ 0.77%
TBF = 4.5 CU YD
- 186 128' - PIPE CULVERTS CLC 1, 15" @ 1.90%
TBF = 18.9 CU YD
- 187 93' - PIPE CULVERTS CLC 1 EQRS, 15" @ .57%
TBF = 7.4 CU YD
- 188 30' - PIPE CULVERTS CLC 1, 15" @ 1.67%
TBF = 3.3 CU YD
- 189 212' - PIPE CULVERTS CLC 1, 15" @ 1.48%
TBF = 10.4 CU YD
- 192 211' - PIPE CULVERTS CLC 1, EQRS 36 @ 0.48%
TBF = 13.7 CU YD
- 193 3' - STORM SEW CL A 1, 12" @ 11.70%
TBF = 0.0 CU YD
- 800 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 801 76' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD
- 802 64' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 803 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 804 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 805 88' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 1.8 CU YD

- 806 65' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 807 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 808 65' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 809 64' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 810 81' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD
- 811 86' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 1.8 CU YD
- 812 74' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 813 86' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 1.8 CU YD
- 814 83' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD
- 815 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 816 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 817 88' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 1.8 CU YD
- 818 76' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.7 CU YD
- 819 64' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 820 68' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 821 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD
- 822 66' - PIPE UNDERDRAINS 4" @ 0.50%
TBF = 0.6 CU YD

KLASEN ROAD

- 400 114' - STORM SEW CL A 2, 15" @ 0.53%
TBF = 150.1 CU YD
- 401 2' - STORM SEW CL A 2, 12" @ 5.00%
TBF = 0.4 CU YD
- 402 22' - STORM SEW CL A 2, 27" @ 0.48%
TBF = 15.1 CU YD

VIRGINIA ROAD

- 500 67' - STORM SEW CL A 1, 12" @ 0.45%
TBF = 8.7 CU YD
- 501 16' - STORM SEW CL A 1, 12" @ 0.68%
TBF = 5.7 CU YD
- 502 NOT USED
- 503 NOT USED

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 =	USER NAME = dte	DESIGNED - KWH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN	F.A.U. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\2278 Virginia Klaseen\cadd\sheet\11-DrainageAndUtilities\2278.D&U-20-23.dgn		DRAWN - DTE	REVISED -			3887	96-00209-01-PV	McHENRY	271	119
		CHECKED - GAB	REVISED -			CONTRACT NO. 63553				
		DATE - 10/24/11	REVISED -			SCALE:	SHEET NO. 23 OF 23 SHEETS	STA	TO STA	FED. ROAD DIST. NO. 1 ILLINOIS