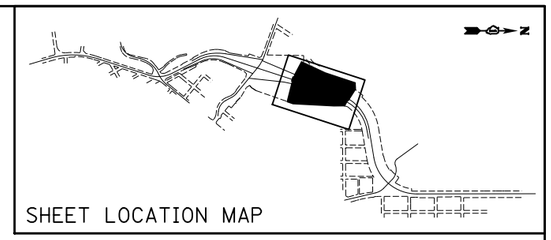

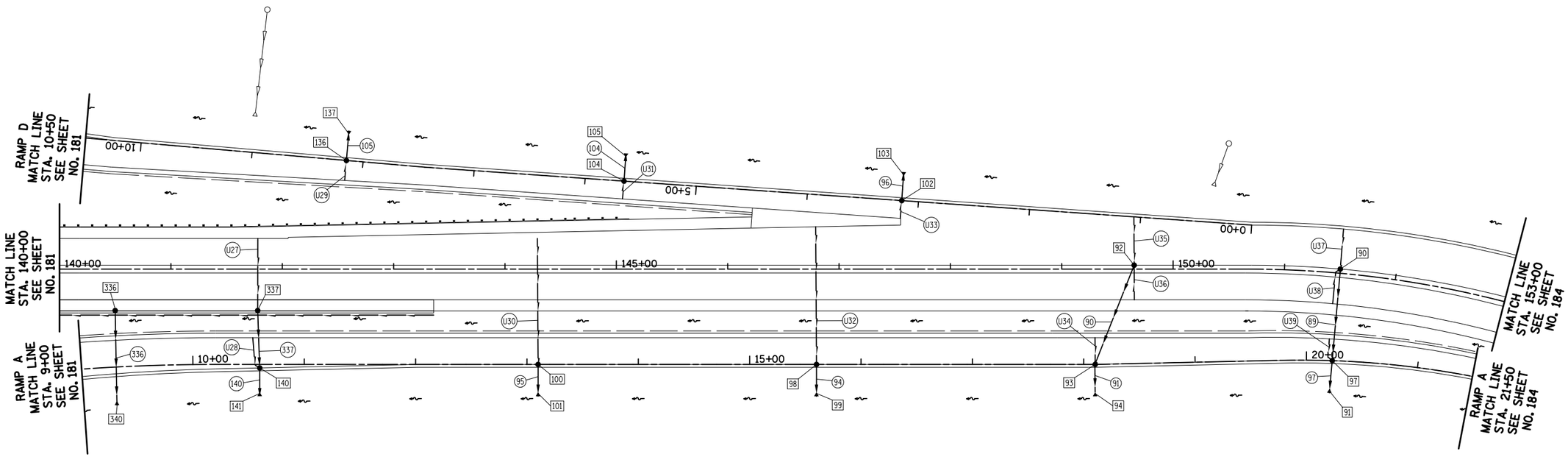

IL RTE. 31 MAINLINE

90 STA. 151+50.00, 3.7' LT
CB TC T24F&G
RIM = 821.05
INV = 815.72 (E)
INV = 817.67 (4" W)
INV = 817.67 (4" SE)

92 STA. 149+65.00, 3.5' LT
CB TC T24F&G
RIM = 813.77
INV = 809.77 (SE)
INV = 810.27 (4" W)
INV = 810.27 (4" E)

336 STA. 140+50.00, 37.2' RT
CB TA 4 DIA T20F&G
RIM = 783.76
INV = 771.85 (E)

337 STA. 141+78.00, 37.2' RT
CB TA 4 DIA T20F&G
RIM = 785.52
INV = 777.03 (E)
INV = 781.83 (4"W)

IL RTE. 31 MAINLINE

89 81'-STORM SEW CL A 1, 12" @ 0.49%
TBF=13.9 CU YD

90 94'-STORM SEW CL A 1, 12" @ 3.11%
TBF=10.6 CU YD

336 79'-STORM SEW CL A 1, 12" @ 0.56%
TBF=5.7 CU YD

337 52'-STORM SEW CL A 1, 12" @ 0.50%
TBF=5.0 CU YD

U27 65'-PIPE UNDERDRAIN, 4"

U35 44'-PIPE UNDERDRAIN, 4"

U36 29'-PIPE UNDERDRAIN, 4"

U37 36'-PIPE UNDERDRAIN, 4"

U38 33'-PIPE UNDERDRAIN, 4"

RAMP A

91 STA. 20+21.50, 28.9' RT
PRC FLAR END SEC 12
INV = 814.72 (W)

93 STA. 18+10.00, 0.0' LT
CB TA 4 DIA T24F&G
RIM = 811.26
INV = 806.85 (E)
INV = 806.85 (NW)
INV = 807.76 (4" W)

94 STA. 18+10.00, 28.6' RT
PRC FLAR END SEC 12
INV = 806.68 (W)

97 STA. 20+23.16, 0.0' LT
CB TA 4 DIA T24F&G
RIM = 819.78
INV = 814.86 (E)
INV = 815.32 (W)
INV = 816.28 (4" SW)

98 STA. 15+60.00, 0.0' LT
CB TC T24F&G
RIM = 801.25
INV = 796.85 (E)
INV = 797.75 (4" W)

RAMP A

U28 30'-PIPE UNDERDRAIN, 4"

U30 55'-PIPE UNDERDRAIN, 4"
34'-PIPE UNDERDRAIN, 4" SP
24'-PIPE UNDERDRAIN, 4"

U32 65'-PIPE UNDERDRAIN, 4"
34'-PIPE UNDERDRAIN, 4" SP
24'-PIPE UNDERDRAIN, 4"

U34 24'-PIPE UNDERDRAIN, 4"

U39 22'-PIPE UNDERDRAIN, 4"

RAMP A

99 STA. 15+60.00, 28.6' RT
PRC FLAR END SEC 12
INV = 796.33 (W)

100 STA. 13+10.00, 0.0' LT
CB TC T24F&G
RIM = 791.25
INV = 786.88 (E)
INV = 787.75 (4" W)

101 STA. 13+10.00, 28.5' RT
PRC FLAR END SEC 12
INV = 786.73 (W)

140 STA. 10+60.00, 3.1' RT
CB TA 4 DIA T24F&G
RIM = 781.19
INV = 776.77 (E)
INV = 776.77 (W)
INV = 777.69 (4" SW)

141 STA. 10+60.00, 28.5' RT
PRC FLAR END SEC 12
INV = 776.71 (W)

340 STA. 9+30.00, 34.2' RT
PRC FLAR END SEC 12
INV = 771.41 (W)

RAMP A

91 19'-STORM SEW CL A 1, 12" @ 0.89%
TBF=0.0 CU YD

94 21'-STORM SEW CL A 1, 12" @ 2.48%
TBF=0.3 CU YD

95 21'-STORM SEW CL A 1, 12" @ 0.71%
TBF=0.3 CU YD

97 19'-STORM SEW CL A 1, 12" @ 0.74%
TBF=0.0 CU YD

140 16'-STORM SEW CL A 1, 12" @ 0.38%
TBF=0.0 CU YD

RAMP D

102 STA. 3+15.00, 0.0' LT
CB TC T24F&G
RIM = 803.88
INV = 800.90 (W)
INV = 800.90 (4" E)

103 STA. 3+15.00, 25.7' RT
PRC FLAR END SEC 12
INV = 800.76 (E)

104 STA. 5+65.00, 0.0' LT
CB TC T24F&G
RIM = 794.37
INV = 791.38 (W)
INV = 791.38 (4" E)

RAMP D

105 STA. 5+65.00, 24.9' RT
PRC FLAR END SEC 12
INV = 791.25 (E)

136 STA. 8+15.00, 0.0' LT
CB TC T24F&G
RIM = 784.37
INV = 781.38 (W)
INV = 781.38 (4" E)

137 STA. 8+15.00, 26.6' RT
PRC FLAR END SEC 12
INV = 781.25 (E)

96 18'-STORM SEW CL A 1, 12" @ 0.78%
TBF=0.3 CU YD

104 17'-STORM SEW CL A 1, 12" @ 0.76%
TBF=0.3 CU YD

105 19'-STORM SEW CL A 1, 12" @ 0.68%
TBF=0.3 CU YD

U29 18'-PIPE UNDERDRAIN, 4"

U31 16'-PIPE UNDERDRAIN, 4"

U33 16'-PIPE UNDERDRAIN, 4"

NOTES:
1. CURB STRUCTURE RIM ELEVATIONS ARE LOCATED AT THE EDGE OF PAVEMENT
2. LOCATION CALL-OFFS AND INVERT ELEVATIONS FOR END SECTIONS ARE AT THE FLARED END OF THE STRUCTURE

ILLINOIS ROUTE 31
RAMP A
RAMP D

50 0 50
SCALE IN FEET

FILE NAME = ...\D160F72-sht-drpln-07.dgn	USER NAME = ctb	DESIGNED - DTE	REVISED -
		DRAWN - DTE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 5/2/2012	DATE - 5/3/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1" = 50' | SHEET NO. 7 OF 15 SHEETS | STA. 140+00 TO STA. 153+00

O.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0003	18A-2	MCHENRY	825	183
		CONTRACT NO. 60F72		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		