

CURVE C1
 PI STA. = 687+75.69
 $\Delta = 27^\circ 08' 43''$ (RT)
 $D = 1^\circ 23' 59''$
 $R = 4,093.50'$
 $T = 988.25'$
 $L = 1,939.39'$
 $E = 117.60'$
 $S.E. = 2.3\%$
 P.C. STA. = 677+87.43
 P.T. STA. = 697+26.83

CURVE C2
 PI STA. = 53+13.81
 $\Delta = 1^\circ 27' 00''$ (IT)
 $D = 0^\circ 10' 29''$
 $R = 32,768.28$
 $T = 414.66'$
 $L = 829.25'$
 $E = 2.62'$
 $S.E. = CROWN$
 P.C. STA. = 48+99.15
 P.T. STA. = 57+28.43

CONTROL POINT #100

SET PK NAIL IN ASPHALT SHOULDER
 OF VAN EMMON ROAD (SOUTH SIDE)
 STA. 52+29.15, 13.40' RT
 ELEVATION 620.48

CONTROL POINT #101

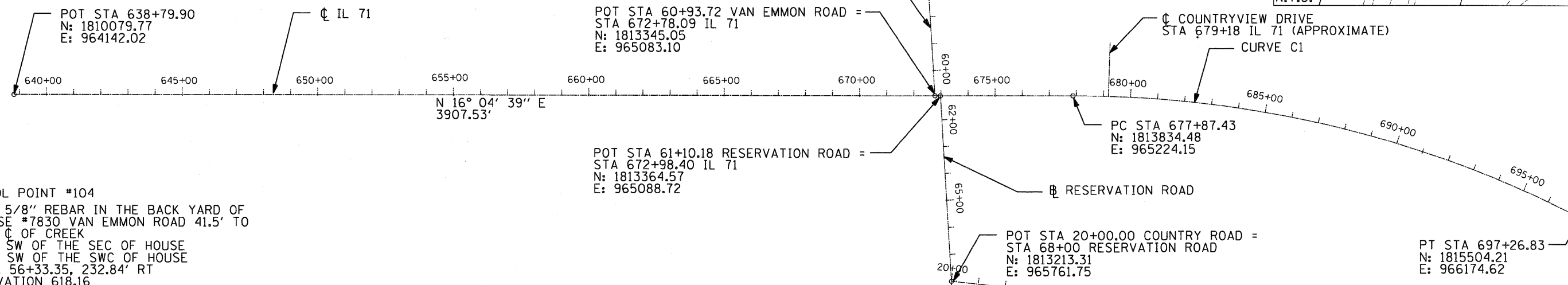
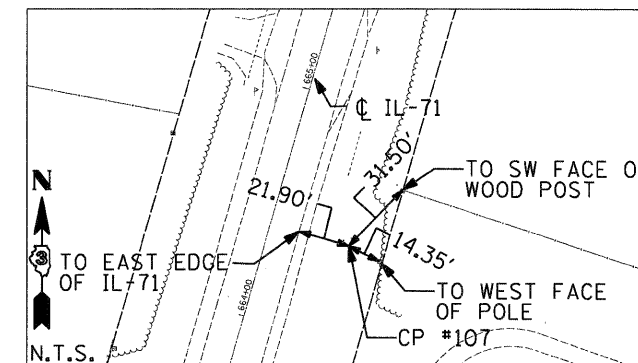
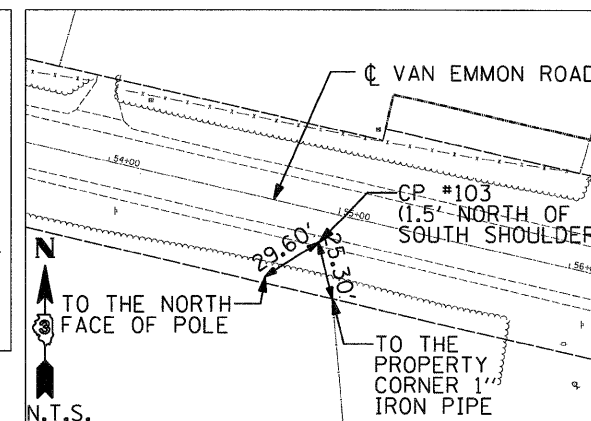
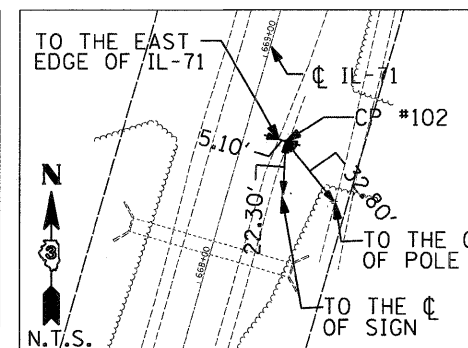
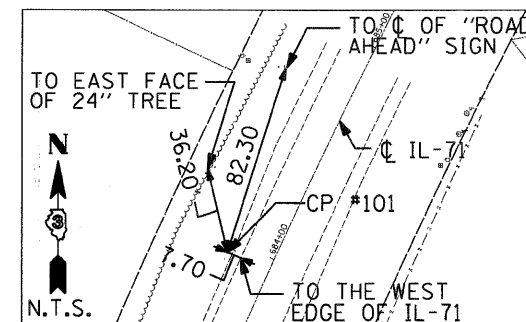
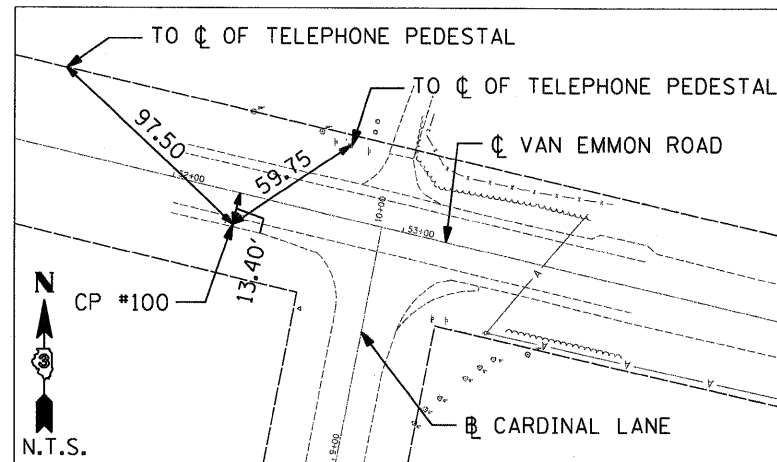
SET 5/8" REBAR WITH YELLOW G.A.S.
 CAP ON THE WEST SIDE OF IL-71
 STA. 683+94.52, 19.23' RT
 ELEVATION 634.73

CONTROL POINT #102

SET 5/8" REBAR IN GRAVEL SHOULDER
 STA. 668+67.38, 17.60' RT
 ELEVATION 635.29

CONTROL POINT #103

SET PK NAIL IN ASPHALT SHOULDER
 ON SOUTH SIDE OF VAN EMMON ROAD
 STA. 54+94.28, 13.36' RT
 ELEVATION 628.05



CONTROL POINT #104

SET 5/8" REBAR IN THE BACK YARD OF
 HOUSE #7830 VAN EMMON ROAD 41.5' TO
 THE ϕ OF CREEK
 135' SW OF THE SEC OF HOUSE
 106' SW OF THE SWC OF HOUSE
 STA. 56+33.35, 232.84' RT
 ELEVATION 618.16

CONTROL POINT #105

SET 5/8" REBAR IN FARMERS FIELD ON
 THE EAST SIDE OF IL 71
 12' TO THE ϕ OF CREEK
 106' EAST OF WEST EDGE OF PAVEMENT
 STA. 667+49.37, 118.70' RT
 ELEVATION 627.02

CONTROL POINT #106

SET PK NAIL IN ASPHALT SHOULDER ON SOUTH
 SIDE OF MADELINE ROAD
 1.00' EAST OF THE EDGE OF PAVEMENT
 9.00' EAST OF THE ϕ OF SIGN
 94.60' NORTH OF THE NORTH FACE OF LIGHT POLE
 STA. 656+18.52, 855.29' RT
 ELEVATION 642.85

CONTROL POINT #107

SET 5/8" REBAR WITH YELLOW G.A.S. CAP ON
 THE EAST SIDE OF IL 71
 STA. 664+40.69, 34.55' RT
 ELEVATION 637.26

BENCHMARK #9000

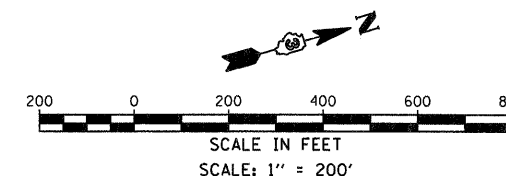
CHISELED SQUARE IN TOP NORTHWEST CORNER
 HEADWALL OF 6' x 6' BOX CULVERT ALONG IL 71.
 STA 668+19.41, 35.37' RT
 ELEVATION 629.86

BENCHMARK #9001

RAILROAD SPIKE IN POWER POLE WITH LIGHT. SOUTHEAST
 CORNER OF THE INTERSECTION OF IL 71 AND RESERVATION ROAD.
 STA 672+57.24, 37.08' RT
 ELEVATION 642.52

BENCHMARK #9002

RAILROAD SPIKE IN POWER POLE.
 STA 675+55.94, 44.92' RT
 ELEVATION 644.54



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAP 311 (IL 71) AT VAN EMMON / RESERVATION ROADS
 ALIGNMENTS, TIES, & BENCHMARKS

FILE NAME =	USER NAME = .USER.	DESIGNED - JWB	REVISED -
		DRAWN - JWB	REVISED -
		CHECKED - RS	REVISED -
		DATE - 03/31/2011	REVISED -

SCALE: 1" = 50 FT SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(I-71) TS	KENDALL	92	22
CONTRACT NO. 66955				
ILLINOIS FED. AID PROJECT				