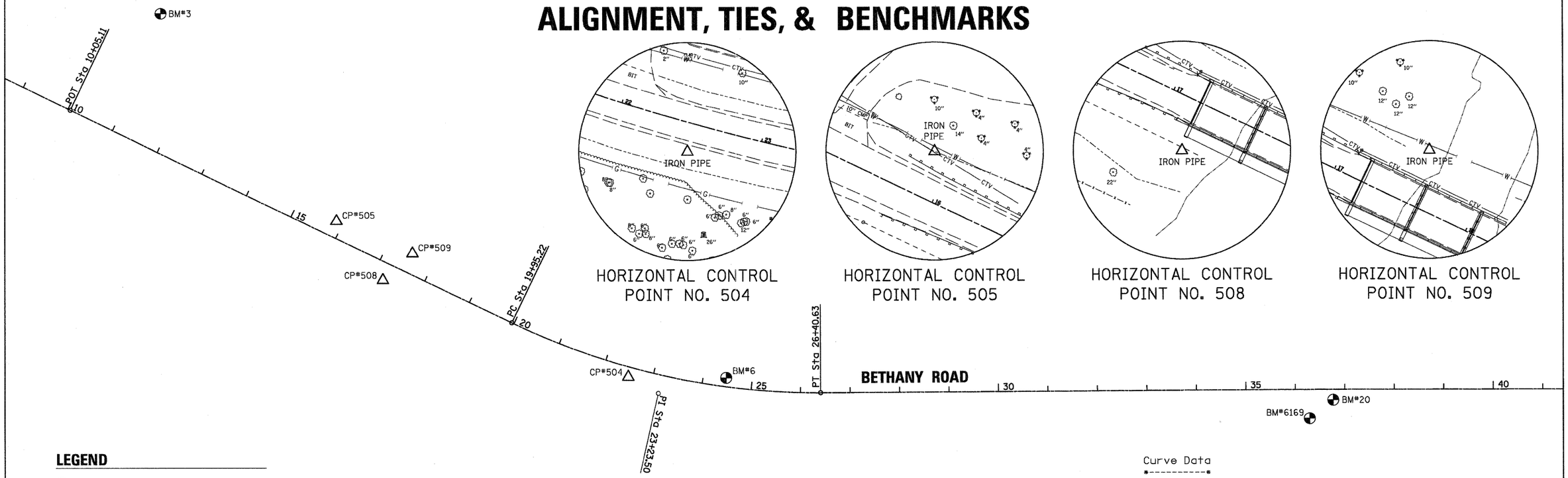
ALIGNMENT, TIES, & BENCHMARKS



HORIZONTAL CONTROL POINT NO. 504

HORIZONTAL CONTROL POINT NO. 505

HORIZONTAL CONTROL POINT NO. 508

HORIZONTAL CONTROL POINT NO. 509

LEGEND

= BENCH MARK LOCATION

= HORIZONTAL CONTROL POINT LOCATION

Curve Data

Curve BRPR-2
P.I. Station 23+23.50 N 1,930,479.10 E 875,018.19
Delta = 25° 48′ 58″ (LT)
Degree = 4° 00′ 00″
Tangent = 328.28′
Length = 645.41′
Radius = 1432.40′
External = 37.14′
Long Chord = 639.88′
Mid. Ord. = 36.39′
P.C. Station 19+95.22 N 1,930,621.18 E 874,722.25
P.T. Station 26+40.63 N 1,930,480.08 E 875,346.47
C.C. N 1,931,912.48 E 875,342.19

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
504	1930512.507	874957.604		BRPR	22+52.33	19.433′ RT	IRON PIPE WITH CAP
505	1930827.242	874367.766		BRPR	15+86.47	32.347′ LT	IRON PIPE WITH CAP
508	1930707.601	874461.485		BRPR	17+22.74	34.948′ RT	IRON PIPE WITH CAP
509	1930761.597	874521.445		BRPR	17+53.41	39.679′ LT	IRON PIPE WITH CAP

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1931132.221	873798.018	841.610	BRPR	9+40.85	60.700′ LT	PK NAIL IN PATH
7	1930651.934	874607.578	837.809	BRPR	18+78.53	21.904′ RT	SURVEY POINT, HUB
11	1930549.928	874839.563	839.985	BRPR	21+30.14	19.898′ RT	SURVEY POINT, HUB
13	1930508.161	875297.651	840.941	BRPR	25+90.94	27.378′ LT	SURVEY POINT, HUB
15	1930451.320	875578.616	842.702	BRPR	28+72.69	29.457′ RT	PK NAIL NORTH OF ISLAND

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
3	1931244.621	874012.450	841.927	BRPR	10+85.52	254.833′ LT	IRON PIPE WITH CAP
6	1930510.202	875155.480	840.672	BRPR	24+46.75	17.750′ LT	IRON PIPE WITH CAP
20	1930462.241	876382.498	839.747	BRPR	36+76.60	20.940′ RT	IRON PIPE WITH CAP
6169	1930424.741	876335.018	836.485	BRPR	36+29.01	58.298′ RT	CHISLED 'X' IN CONCRETE

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
BRPR	BRPR-2	210	211	212	213

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - DPB	REVISED -	
	DRAWN - NDP	REVISED -	
PLOT SCALE =	CHECKED - SBP	REVISED -	
PLOT DATE = 7/6/2011	DATE - 7/8/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: | SHEET NO. 22 OF 88 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	04-00167-00-BR	DEKALB	88	22
		CONTRACT NO.87491		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

FILE NAME = W:\Projects\2010\102054 Bethany\Br-Iroad\Civil\Dgn\Sht\VATB-1.dgn