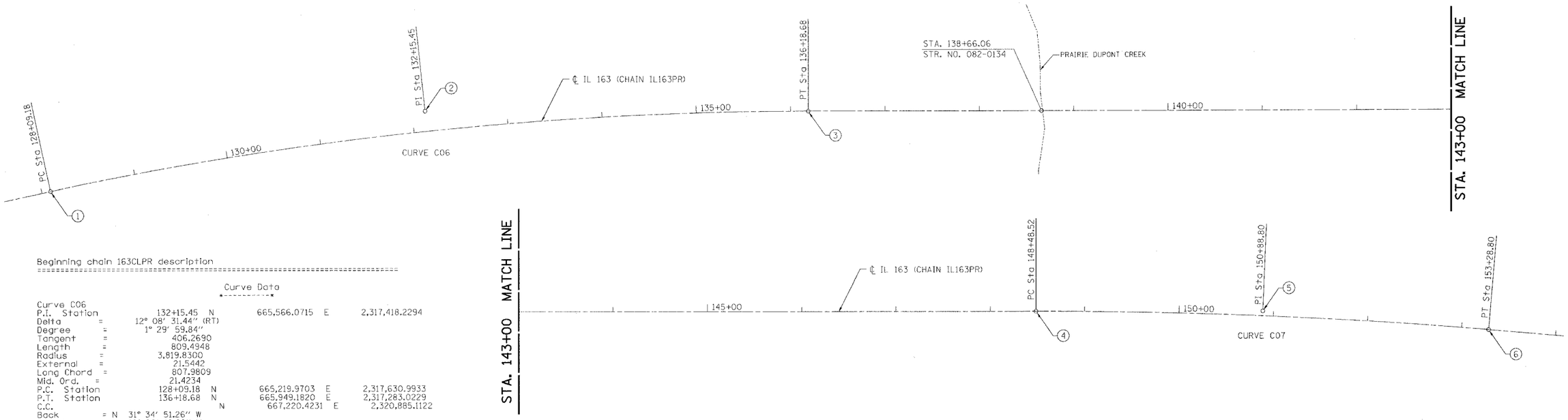
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
609	***	ST. CLAIR	46	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*** SEC. 76-3BR
CONTRACT NO. 76268

HORIZONTAL AND VERTICAL CONTROL

BENCH MARKS
SEE PLAN & PROFILE SHEETS FOR BENCH MARK DATA.



Beginning chain 163CLPR description

Curve Data

Curve C06					
P.I. Station	132+15.45	N	665,566.0715	E	2,317,418.2294
Delta =	12° 08′ 31.44″ (RT)				
Degree =	1° 29′ 59.84″				
Tangent =	406.2690				
Length =	809.4948				
Radius =	3,819.8300				
External =	21.5442				
Long Chord =	807.9809				
Mid. Ord. =	21.4234				
P.C. Station	128+09.18	N	665,219.9703	E	2,317,630.9933
P.T. Station	136+18.68	N	665,949.1820	E	2,317,283.0229
C.C.		N	667,220.4231	E	2,320,885.1122
Back	= N 31° 34′ 51.26″ W				
Ahead	= N 19° 26′ 19.82″ W				
Chord Bear	= N 25° 30′ 35.54″ W				

Course from PT C06 to PC C07 N 19° 26′ 19.82″ W Dist 1,229.8383

Curve Data

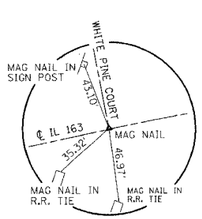
Curve C07					
P.I. Station	150+88.80	N	667,335.5022	E	2,316,793.7660
Delta =	4° 48′ 10.01″ (RT)				
Degree =	0° 59′ 59.95″				
Tangent =	240.2827				
Length =	480.2840				
Radius =	5,729.6500				
External =	5.0361				
Long Chord =	480.1434				
Mid. Ord. =	5.0317				
P.C. Station	148+48.52	N	667,108.9163	E	2,316,873.7322
P.T. Station	153+28.80	N	667,567.9878	E	2,316,733.0518
C.C.		N	669,015.7462	E	2,322,276.7766
Back	= N 19° 26′ 19.82″ W				
Ahead	= N 14° 38′ 09.81″ W				
Chord Bear	= N 17° 02′ 14.82″ W				

Ending chain 163CLPR description

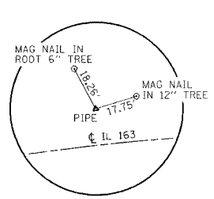
HORIZONTAL CONTROL

CHAIN	POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
IL163PR	1	665,219.9703	2,317,630.9933	128+09.18 PC	0.0000	MAG. NAIL
IL163PR	2	665,566.0715	2,317,418.2294	132+15.45 PI	ON TANGENT	PIPE
IL163PR	3	665,949.1820	2,317,283.0229	136+18.68 PT	0.0000	MAG. NAIL
IL163PR	4	667,108.9163	2,316,873.7322	148+48.52 PC	0.0000	MAG. NAIL
IL163PR	5	667,335.5022	2,316,793.7660	150+88.80 PI	ON TANGENT	MAG. NAIL
IL163PR	6	667,567.9878	2,316,733.0518	153+28.80 PT	0.0000	MAG. NAIL

0 50 100
SCALE IN FEET



HORIZONTAL CONTROL POINT NO. 1



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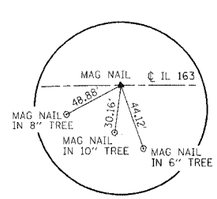

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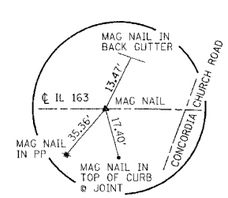
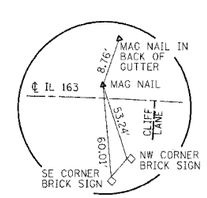
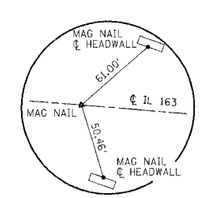


HORIZONTAL CONTROL POINT NO. 4



HORIZONTAL CONTROL POINT NO. 5



HORIZONTAL CONTROL POINT NO. 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL AND VERTICAL CONTROL

FAP RTE 609 (IL RTE. 163)
SECTION 76-3BR
ST. CLAIR COUNTY

SCALE: VERT. HORIZ.
DATE 10/11/04

DRAWN BY: SUTHEARD
DESIGNED BY: SUTHEARD
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
2140 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62707
PROFESSIONAL DESIGN FIRM NO. 184-000175
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
(217) 793-8844, (217) 793-3227 (FX), E-MAIL: GGBSP@MINDSPRING.COM

COMPUTER FILE NO. HVC163BR
PROJECT 02076
4/19/05-MDS

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK NO., DATE, BY

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BAL. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK NO., DATE, BY

FILE NAME = J:\02076\DRAWINGS\HVC163BR.dgn
PLOT SCALE = 50 ' / IN.
PLOT DATE = Fri Jun 06 2003
PLOT TIME = 3:58:43 PM
OPERATOR = mcpres

IDOTPL-10 1"=10' 8/07/00

HORIZONTAL AND VERTICAL CONTROL

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