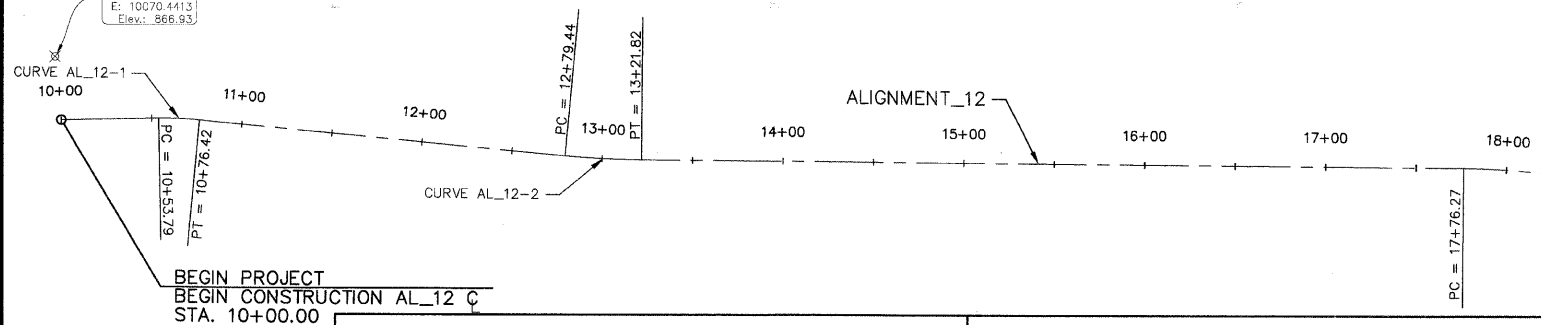


CP# 15050  
Type: CP  
N: 25828.4034  
E: 10070.4413  
Elev.: 666.93



HORIZONTAL ALIGNMENT STATION AND CURVE REPORT.  
ALIGNMENT: ALIGNMENT\_12  
DESC: CARY-GROVE PARK TRAIL

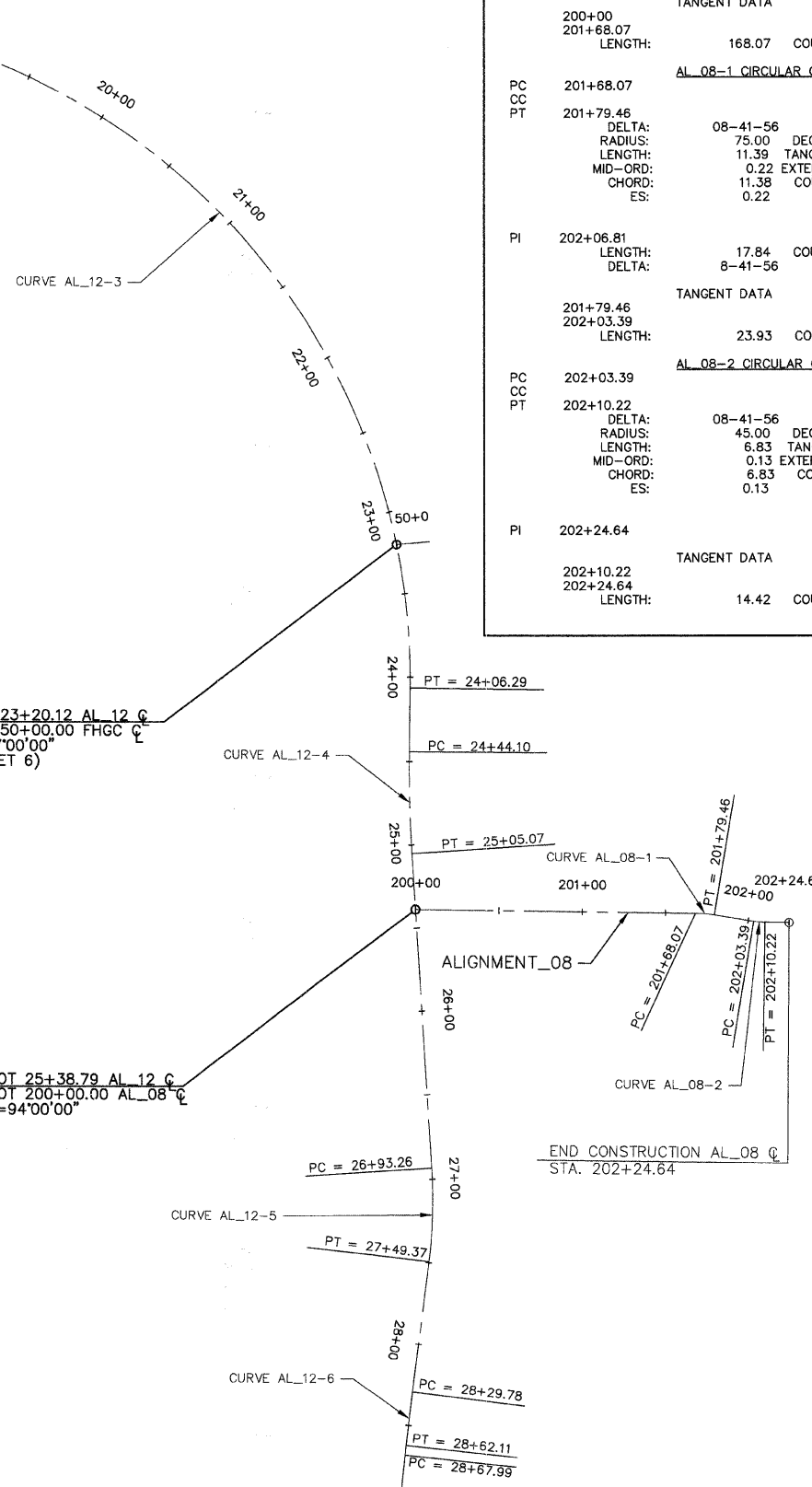
DESC.	STATION	SPIRAL/CURVE DATA	NORTHING	EASTING
PI	10+00	LENGTH: 65.12 COURSE: 25793.7698 N 88-50-31 E	10073.8950	
PI	10+65.12	LENGTH: 235.55 COURSE: 25795.0859 S 84-40-37 E	10139.0002	
TANGENT DATA				
	10+00	25793.7698	10073.8950	
	10+53.79	25794.8571	10127.6787	
AL_12-1 CIRCULAR CURVE DATA				
PC	10+53.79	25794.8571	10127.6787	
CC	10+76.42	25594.8979	10131.7210	
PT	10+76.42	25794.0354	10150.2753	
DELTA: 06-28-52 TYPE: RIGHT				
RADIUS: 200.00 DEGREE: 28-38-52				
LENGTH: 22.82 TANGENT: 11.32				
MID-ORD: 0.32 EXTERNAL: 0.32				
CHORD: 22.61 COURSE: S 87-55-03 E				
ES: 0.32				
PI	13+00.64	877.36 COURSE: 25773.2340 S 89-31-58 E	10373.5304	
DELTA: 4-51-22				
TANGENT DATA				
	10+76.42	25794.0354	10150.2753	
	12+79.44	25775.2008	10352.4209	
AL_12-2 CIRCULAR CURVE DATA				
PC	12+79.44	25775.2008	10352.4209	
CC	13+21.82	26273.0445	10398.8067	
PT	13+21.82	25773.0611	10394.7306	
DELTA: 04-51-22 TYPE: LEFT				
RADIUS: 500.00 DEGREE: 11-27-33				
LENGTH: 42.38 TANGENT: 21.20				
MID-ORD: 0.45 EXTERNAL: 0.45				
CHORD: 42.36 COURSE: S 87-06-18 E				
ES: 0.45				
PI	21+77.98	470.02 COURSE: 25766.0817 S 00-42-41 W	11250.8628	
DELTA: 90-14-40				
TANGENT DATA				
	13+21.82	25773.0611	10394.7306	
	17+76.27	25769.3564	10849.1661	
AL_12-3 CIRCULAR CURVE DATA				
PC	17+76.27	25769.3564	10849.1661	
CC	24+06.29	25369.3697	10845.9053	
PT	24+06.29	25364.4026	11245.8744	
DELTA: 90-14-40 TYPE: RIGHT				
RADIUS: 400.00 DEGREE: 14-19-26				
LENGTH: 630.02 TANGENT: 401.71				
MID-ORD: 117.76 EXTERNAL: 166.90				
CHORD: 566.89 COURSE: S 44-24-39 E				
ES: 166.90				
PI	24+74.60	246.83 COURSE: 25296.1008 S 03-39-17 E	11245.0262	
DELTA: 4-21-58				
TANGENT DATA				
	24+06.29	25364.4026	11245.8744	
	24+44.10	25326.5950	11245.4049	
AL_12-4 CIRCULAR CURVE DATA				
PC	24+44.10	25326.5950	11245.4049	
CC	25+05.07	25318.6608	12045.3432	
PT	25+05.07	25265.6663	11246.9701	
DELTA: 04-21-58 TYPE: LEFT				
RADIUS: 800.00 DEGREE: 07-09-43				
LENGTH: 60.96 TANGENT: 30.50				
MID-ORD: 0.58 EXTERNAL: 0.58				
CHORD: 60.95 COURSE: S 01-28-18 E				
ES: 0.58				

PI	27+21.40	124.71 COURSE: 25049.7760 S 07-03-44 W	11260.7597	
DELTA: 10-43-01				
TANGENT DATA				
	25+05.07	25265.6663	11246.9701	
	26+93.26	25077.8577	11258.9661	
AL_12-5 CIRCULAR CURVE DATA				
PC	26+93.26	25077.8577	11258.9661	
CC	27+49.37	25058.7348	10959.5762	
PT	27+49.37	25021.8505	11257.3001	
DELTA: 10-43-01 TYPE: RIGHT				
RADIUS: 300.00 DEGREE: 19-05-55				
LENGTH: 56.11 TANGENT: 28.14				
MID-ORD: 1.31 EXTERNAL: 1.32				
CHORD: 56.03 COURSE: S 01-42-14 W				
ES: 1.32				
PI	28+45.95	73.11 COURSE: 24926.0081 S 06-08-09 W	11245.4264	
DELTA: 0-55-35				
TANGENT DATA				
	27+49.37	25021.8505	11257.3001	
	28+29.78	24942.0538	11247.4143	
AL_12-6 CIRCULAR CURVE DATA				
PC	28+29.78	24942.0538	11247.4143	
CC	28+62.11	24696.1583	13232.2406	
PT	28+62.11	24909.9324	11243.6982	
DELTA: 00-55-35 TYPE: LEFT				
RADIUS: 2000.00 DEGREE: 02-51-53				
LENGTH: 32.34 TANGENT: 16.17				
MID-ORD: 0.07 EXTERNAL: 0.07				
CHORD: 32.34 COURSE: S 06-35-57 W				
ES: 0.07				
PI	29+19.05	134.77 COURSE: 24853.3183 S 01-15-46 W	11237.6121	
DELTA: 4-52-24				
TANGENT DATA				
	28+62.11	24909.9324	11243.6982	
	28+67.99	24904.0889	11243.0700	

**CARY-GROVE PARK**

POT 23+20.12 AL\_12 C  
POT 50+00.00 FHGC C  
A=97°00'00"

POT 25+38.79 AL\_12 C  
POT 200+00.00 AL\_08 C  
A=94°00'00"

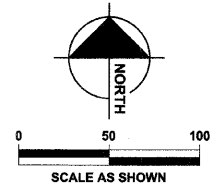


HORIZONTAL ALIGNMENT STATION AND CURVE REPORT.  
ALIGNMENT: ALIGNMENT\_08  
DESC: MINK TRAIL CONNECTION

DESC.	STATION	SPIRAL/CURVE DATA	NORTHING	EASTING
PI	200+00	LENGTH: 173.77 COURSE: 25232.0152 S 89-17-19 E	11249.1195	
PI	201+73.77	LENGTH: 33.06 COURSE: 25229.8573 S 80-35-23 E	11422.8795	
DELTA: 8-41-56				
TANGENT DATA				
	200+00	25232.0152	11249.1195	
	201+68.07	25229.9282	11417.1755	
AL_08-1 CIRCULAR CURVE DATA				
PC	201+68.07	25229.9282	11417.1755	
CC	201+79.46	25154.9339	11416.2442	
PT	201+79.46	25228.9246	11428.5071	
DELTA: 08-41-56 TYPE: RIGHT				
RADIUS: 75.00 DEGREE: 76-23-40				
LENGTH: 11.39 TANGENT: 5.70				
MID-ORD: 0.22 EXTERNAL: 0.22				
CHORD: 11.38 COURSE: S 84-56-21 E				
ES: 0.22				
PI	202+06.81	17.84 COURSE: 25224.4519 S 89-17-19 E	11455.4942	
DELTA: 8-41-56				
TANGENT DATA				
	201+79.46	25228.9246	11428.5071	
	202+03.39	25225.0115	11452.1176	
AL_08-2 CIRCULAR CURVE DATA				
PC	202+03.39	25225.0115	11452.1176	
CC	202+10.22	25269.4059	11459.4754	
PT	202+10.22	25224.4094	11458.9166	
DELTA: 08-41-56 TYPE: LEFT				
RADIUS: 45.00 DEGREE: 127-19-26				
LENGTH: 6.83 TANGENT: 3.42				
MID-ORD: 0.13 EXTERNAL: 0.13				
CHORD: 6.83 COURSE: S 84-56-21 E				
ES: 0.13				
PI	202+24.64	25224.2304	11473.3316	
TANGENT DATA				
	202+10.22	25224.4094	11458.9166	
	202+24.64	25224.2304	11473.3316	
LENGTH: 14.42 COURSE: S 89-17-19 E				

**ALIGNMENT DATA LEGEND**

- TRAIL CENTER LINE
- CC COMPOUND CURVE
- PC POINT OF CURVATURE
- PI POINT OF INTERSECTION
- PT POINT OF TANGENCY
- POT POINT OF TERMINATION



**MATCHLINE - SEE SHEET 5**

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DESIGNED	JWH	REVISED
DRAWN	LES	REVISED
CHECKED	JMM	REVISED
DATE	10/02/2009	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CARY PARK DISTRICT  
CARY COMMUNITY TRAIL**

**ALIGNMENT DATA**

STA. 10+00 TO STA. 29+00  
STA. 200+00 TO STA. 202+24.64

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-P4001-00-BR	MCHENRY	64	4
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 63333	