

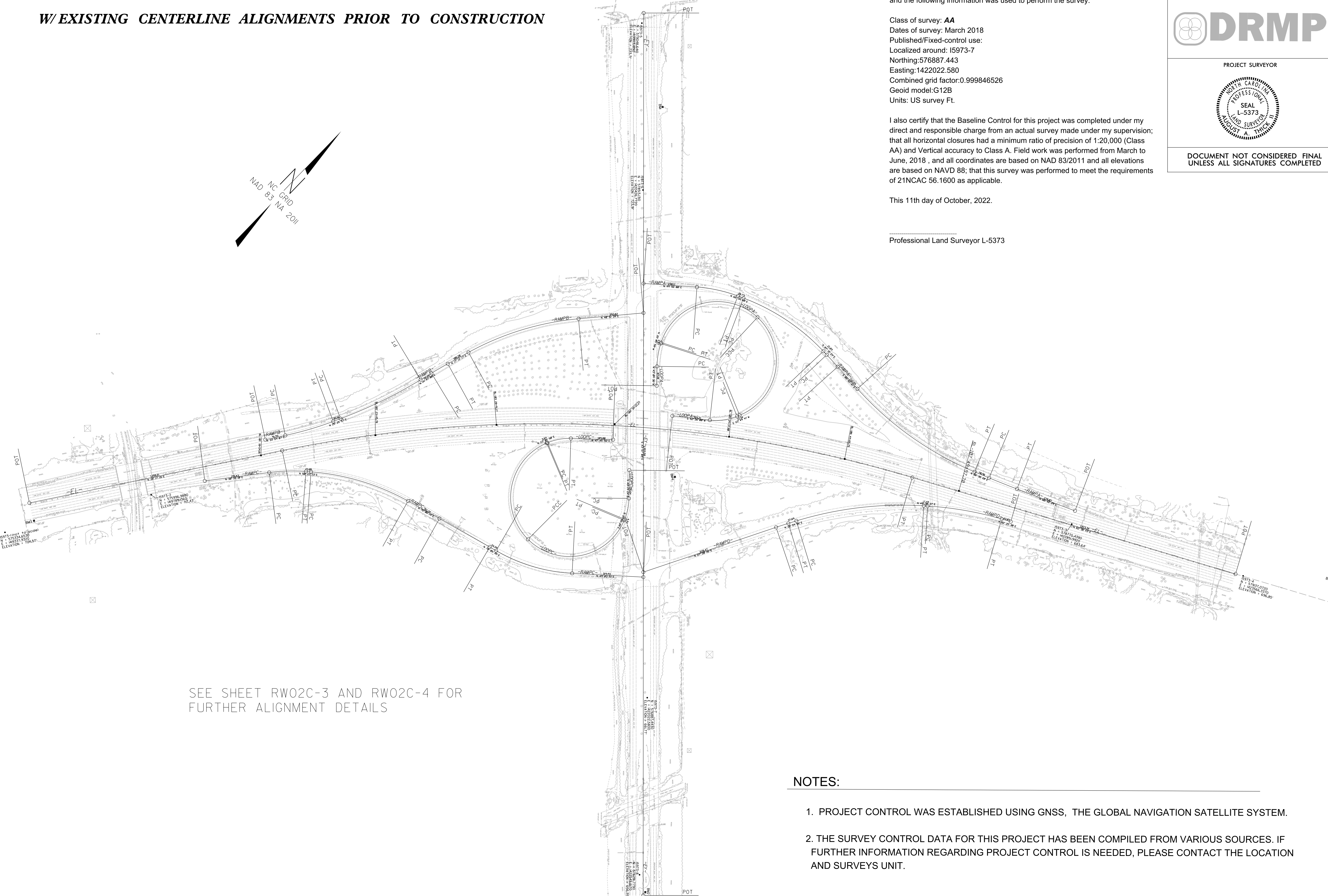
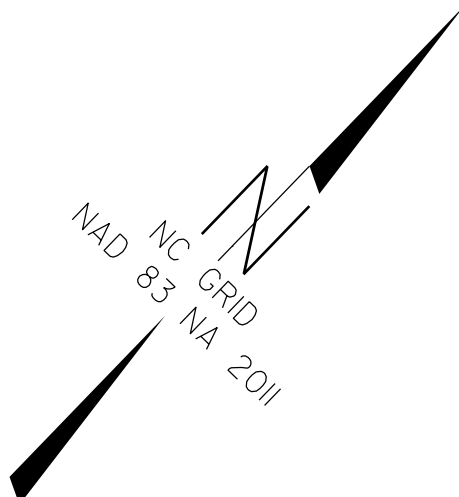
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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-3 AND RW02C-4 FOR FURTHER ALIGNMENT DETAILS

I, August A. Thick, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Dates of survey: March 2018
Published/Fixed-control use:
Localized around: I5973-7
Northing:576887.443
Easting:1422022.580
Combined grid factor:0.999846526
Geoid model:G12B
Units: US survey Ft.

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from March to June, 2018, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11th day of October, 2022.

Professional Land Surveyor L-5373

PROJECT REFERENCE NO. I-5973	SHEET NO. RW01
Location and Surveys	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:


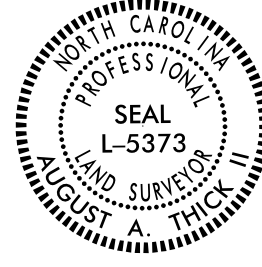
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2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

I:\DCI-2022\08\38
D:\DESKTOP\BACKUPS\I5973_CNTRL SHEETS\I-5973_1s-RW02C-1.dgn
C:\ChambBliss AT CAR-CCHAMBLISS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5973	RW02C-2
Location and Surveys	
	
PROJECT SURVEYOR	
	
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BL	POINT	DESC.	NORTH	EAST	ELEVATION
1	I5973-1		575334.6530	1419337.9320	704.57
2	I5973-2		575996.9880	1419789.1360	717.43
101	BL-101		576466.2400	1420020.9310	722.84
102	BL-102		576887.7610	1420327.1090	724.98
103	BL-103		577298.5560	1420685.8510	723.40
104	BL-104		577668.8940	1421065.1370	719.17
105	BL-105		577985.1110	1421473.5540	710.37
106	BL-106		578273.1930	1421915.9830	700.11
107	BL-107		578525.9130	1422384.0640	690.88
3	I5973-3		578770.4390	1422851.9920	683.64
4	I5973-4		579137.0720	1423566.3370	696.85

.....
 BM1 ELEVATION = 729.50
 N 578842 E 1420231
 BM1-BRIDGE SPIKE IN 12" PINE

.....
 BM2 ELEVATION = 658.56
 N 576254 E 1422622
 BM2-BRIDGE SPIKE IN 12" OAK

.....
 BM3 ELEVATION = 706.12
 N 575548 E 1419492
 BM3-XCUT IN CONC. SIGN FOUNDATION

.....
 BM4 ELEVATION = 695.59
 N 577686 E 1421424
 BM4-BRIDGE SPIKE IN 16" PINE

.....
 BM5 ELEVATION = 707.54
 N 579408 E 1423852
 BM5-BRIDGE SPIKE IN 18" OAK

BY	POINT	DESC.	NORTH	EAST	ELEVATION
5	I5973-5		579048.6410	1419903.1890	733.71
6	I5973-6		578513.1310	1420426.7720	723.91
E0104	BL-104		577668.8940	1421065.1370	719.17
7	I5973-7		576887.4430	1422022.5800	661.77
8	I5973-8		576291.7790	1422549.6170	656.39

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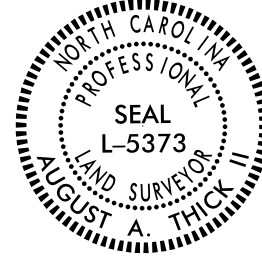
Professional Land Surveyor L-5373

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5973	RW02C-3
Location and Surveys	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	575591.295	1419421.627							
LINE			N 34°17'15.4" E	1158.21					
PC	576548.231	1420074.101							
CURVE			N 48°27'59.3" E	2829.17	28°21'27.9"(RT)	00°59'31.7"	2858.26	1459.03	5775.00
PT	578424.136	1422191.928							
LINE			N 62°38'43.3" E	1513.34					
POT	579119.511	1423536.045							

EY				
POINT	N	E	BEARING	DIST
POT	579086.881	1419877.545		
LINE			S 43°57'03.7" E	3959.58
POT	576236.244	1422625.668		

LOOPA									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	577924.097	1421081.316							
LINE			N 43°09'36.1" W	87.18					
PC	577987.692	1421021.679							
CURVE			N 34°37'47.0" W	103.83	17°03'38.3"(RT)	16°22'12.8"	104.22	52.50	350.00
PT	578073.130	1420962.674							
LINE			N 26°05'57.9" W	4.87					
PC	578077.502	1420960.532							
CURVE			N 31°22'56.8" E	446.81	114°57'49.4"(RT)	21°37'33.1"	531.60	415.58	264.94
PCC	578458.947	1421193.207							
CURVE			S 33°39'13.7" E	446.81	114°57'49.5"(RT)	21°37'33.1"	531.60	415.58	264.94
PT	578087.023	1421440.816							
LINE			S 23°49'41.0" W	12.34					
PC	578075.731	1421435.829							
CURVE			S 38°07'50.5" W	123.52	28°36'19.0"(RT)	22°55'05.9"	124.81	63.74	250.00
PT	577978.568	1421359.559							
LINE			S 52°26'00.0" W	169.21					
POT	577875.405	1421225.437							

LOOPC									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	577565.932	1421255.689							
LINE			S 43°19'24.2" E	126.64					
PC	577473.801	1421342.579							
CURVE			S 32°18'01.5" E	95.60	22°02'45.3"(RT)	22°55'05.9"	96.19	48.70	250.00
PT	577392.993	1421393.665							
LINE			S 21°16'38.8" E	4.92					
PC	577388.404	1421395.452							
CURVE			S 34°49'13.4" W	439.94	112°11'44.4"(RT)	21°37'08.4"	518.97	394.37	265.03
PCC	577027.240	1421144.245							
CURVE			N 32°59'02.3" W	439.94	112°11'44.2"(RT)	21°37'08.4"	518.97	394.37	265.03
PT	577396.269	1420904.742							
LINE			N 23°06'49.8" E	3.64					
PC	577399.614	1420906.169							
CURVE			N 35°26'23.0" E	106.74	24°39'06.4"(RT)	22°55'05.9"	107.56	54.63	250.00
PT	577486.574	1420968.060							
LINE			N 47°45'56.2" E	189.80					
POT	577614.151	1421108.588							

I, August A. Thick, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

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 Geoid model: G12B
 Units: US survey Ft.

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from March to June, 2018, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11th day of October, 2022.

Professional Land Surveyor L-5373

SEE SHEET RW02C-4 FOR RAMP ALIGNMENT DATA


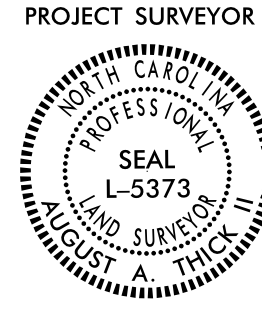
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REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-5973	SHEET NO. RW02C-4
Location and Surveys	
	
	
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RAMPA POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	578213.279	1420719.731							
LINE			N 49°56'00.4" E	240.11					
PC	578367.831	1420903.486							
CURVE			N 58°15'20.1" E	188.16	16°38'39.4"(RT)	08°48'53.0"	188.82	95.08	650.00
PT	578466.828	1421063.498							
LINE			N 66°34'39.8" E	26.73					
PC	578477.454	1421088.026							
CURVE			N 79°39'07.8" E	430.46	26°08'56.0"(RT)	06°01'19.5"	434.22	220.96	951.43
PT	578554.774	1421511.484							
LINE			S 87°16'24.2" E	21.89					
PC	578553.733	1421533.351							
CURVE			S 86°34'32.5" E	73.06	01°23'43.6"(RT)	01°54'35.5"	73.07	36.53	3000.00
PT	578549.369	1421606.284							
LINE			S 85°52'40.7" E	132.59					
PC	578539.838	1421738.527							
CURVE			N 81°22'49.8" E	643.67	25°28'59.0"(LT)	03°55'35.3"	649.01	329.96	1459.22
PT	578636.307	1422374.929							
LINE			N 68°38'20.3" E	70.96					
PC	578662.154	1422441.016							
CURVE			N 67°40'24.6" E	134.80	01°55'51.5"(LT)	01°25'56.6"	134.81	67.41	4000.00
PT	578713.363	1422565.711							
LINE			N 66°42'28.8" E	278.07					
POT	578823.316	1422821.117							

RAMPB POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	576530.644	1419985.842							
LINE			N 33°59'06.9" E	91.93					
PC	576606.874	1420037.231							
CURVE			N 29°42'32.2" E	223.70	08°33'09.5"(LT)	03°49'11.0"	223.91	112.16	1500.00
PT	576801.169	1420148.095							
LINE			N 25°25'57.5" E	35.16					
PC	576832.919	1420163.193							
CURVE			N 20°06'28.6" E	399.43	10°38'57.8"(LT)	02°39'44.4"	400.00	200.58	2152.09
PT	577208.000	1420300.512							
LINE			N 14°46'59.7" E	56.65					
PC	577262.775	1420314.967							
CURVE			N 15°59'38.1" E	84.51	02°25'16.8"(RT)	02°51'53.2"	84.52	42.27	2000.00
PT	577344.018	1420338.254							
LINE			N 17°12'16.5" E	106.20					
PC	577445.468	1420369.667							
CURVE			N 29°01'57.5" E	516.09	23°39'22.0"(RT)	04°33'04.4"	519.77	263.64	1258.91
PT	577896.709	1420620.130							
LINE			N 40°51'38.5" E	292.62					
POT	578118.017	1420811.567							

RAMPC POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	576208.935	1419919.022							
LINE			N 38°33'09.7" E	291.43					
PC	576436.847	1420100.654							
CURVE			N 44°27'51.5" E	164.79	11°49'23.6"(RT)	07°09'43.1"	165.08	82.84	800.00
PT	576554.456	1420216.084							
LINE			N 50°22'33.3" E	23.05					
PC	576569.156	1420233.837							
CURVE			N 62°44'23.5" E	454.29	24°43'40.6"(RT)	05°24'03.7"	457.84	232.54	1060.83
PT	576777.235	1420637.674							
LINE			N 75°06'13.8" E	161.34					
PC	576818.712	1420793.595							
CURVE			N 75°35'54.6" E	259.00	00°59'21.6"(RT)	00°22'55.1"	259.00	129.50	15000.00
PT	576883.129	1421044.456							
LINE			N 76°05'35.4" E	33.39					
PC	576891.154	1421076.869							
CURVE			N 62°34'43.3" E	355.71	27°01'44.2"(LT)	07°31'42.3"	359.03	182.92	761.06
PT	577054.967	1421392.609							
LINE			N 49°03'51.2" E	319.93					
POT	577264.592	1421634.302							

RAMPD POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	577280.670	1421618.802							
LINE			N 27°20'46.1" E	628.47					
PC	577838.905	1421907.498							
CURVE			N 28°10'21.2" E	57.69	01°39'10.0"(RT)	02°51'53.2"	57.69	28.85	2000.00
PT	577889.761	1421934.736							
LINE			N 28°59'56.2" E	37.69					
PC	577922.728	1421953.009							
CURVE			N 39°15'16.6" E	575.60	20°30'40.9"(RT)	03°32'40.1"	578.68	292.47	1616.48
PT	578368.439	1422317.230							
LINE			N 49°30'37.1" E	17.44					
PC	578379.763	1422330.493							
CURVE			N 55°58'03.6" E	337.39	12°54'53.1"(RT)	03°49'11.0"	338.11	169.77	1500.00
PT	578568.588	1422610.097							
LINE			N 62°25'30.1" E	42.07					
POT	578588.065	1422647.393							

I, August A. Thicke, PLS, certify that the Project Control was [performed/verified] under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

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