


SURVEY CONTROL SHEET

BASELINE AND BENCHMARKS

PROJECT REFERENCE NO.	SHEET NO.
B5527	RW02C-3
Location and Surveys	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BLSB POINT	DESC.	NORTH	EAST	ELEVATION
NCDOTB55271	B55271	965633.9090	1561104.2060	987.53
NCDOTB55272	B55272	966405.7338	1560952.3640	958.96
6	B55276	967111.1095	1560755.5540	954.85
5	B55275	967886.2816	1560606.7200	979.71
16	B552716	968233.9719	1560544.2070	994.39
15	B552715	968589.7875	1560470.2400	1008.66
14	B552714	969015.7122	1560295.4400	1025.82
13	B552713	969392.7370	1560025.6400	1040.53

BY POINT	DESC.	NORTH	EAST	ELEVATION
NCDOTE05		967886.2816	1560606.7200	979.71
NCDOT7		967414.5282	1561217.1970	949.92

BYNB POINT	DESC.	NORTH	EAST	ELEVATION
1	B55271	965633.9090	1561104.2060	987.53
2	B55272	966405.7338	1560952.3640	958.96
3	B55273	966975.8077	1561016.1630	959.51
4	B55274	967797.6117	1560973.0590	985.13
8	B55278	968146.0095	1560891.9000	994.57
9	B55279	968484.7666	1560754.5380	1006.66
10	B552710	968916.0147	1560529.0120	1019.72
11	B552711	969178.8367	1560342.6060	1029.34
12	B552712	969703.2623	1559927.4960	1050.73

.....
 BM1 ELEVATION = 988.23'
 N 968150 E 1560634
 X SET IN CONC HEADWALL

.....
 BM2 ELEVATION = 941.57'
 N 966990 E 1561315
 RRS SET IN 11" BIRCH

.....
 BM3 ELEVATION = 1033.51'
 N 969229 E 1560138
 SPIKE IN 8' DOUBLE POPLAR

I, Michael L. Motsinger, PLS, certify that the Project Control was 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**
 Type of GPS field procedure: RTN
 Dates of survey: MARCH 15, 2016
 Datum/Epoch: NAD 83/2011
 Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
 Localized around: B5527-2
 Northing: 966405.7338
 Easting: 1560952.3640
 Combined grid factor: 1.000031582997
 Geoid model: 12NC
 Units: ENGLISH

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 APRIL 2016 to MAY 2016, 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 10 th day of January, 2024.

Digitized by:

 Professional Land Surveyor L-3877

PROPOSED ALIGNMENT

TYPE	STATION	LNB	
		NORTH	EAST
POT	10+00.00	965480.6332	1561157.2243
PC	14+79.29	965951.3660	1561067.0724
PT	21+48.18	966615.9813	1560999.5760
PC	28+32.23	967299.9634	1560990.5488
PT	32+00.00	967666.4873	1560963.1948

TYPE	STATION	LSB	
		NORTH	EAST
POT	10+00.00	965466.9375	1561098.9482
POT	37+50.00	968167.7858	1560581.3396

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

ELNB POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	965480.633	1561157.224							
LINE			N 10°50'30.0" W	479.29					
PC	965951.366	1561067.072							
CURVE			N 05°47'56.1" W	668.03	10°05'07.9"(RT)	01°30'28.0"	668.90	335.31	3800.00
PT	966615.981	1560999.576							
LINE			N 00°45'22.1" W	684.04					
PC	967299.963	1560990.549							
CURVE			N 10°18'50.0" W	996.25	19°06'55.7"(LT)	01°54'35.5"	1000.88	505.14	3000.00
PCC	968280.114	1560812.180							
CURVE			N 24°25'40.4" W	416.26	09°06'45.2"(LT)	02°11'12.7"	416.70	208.79	2620.00
PT	968659.108	1560640.038							
LINE			N 28°58'57.1" W	52.20					
PC	968704.768	1560614.747							
CURVE			N 32°39'28.2" W	358.81	07°20'50.2"(LT)	02°02'46.6"	359.06	179.77	2800.00
PT	969006.853	1560421.126							
LINE			N 36°19'53.2" W	275.29					
PC	969228.630	1560258.026							
CURVE			N 37°18'37.0" W	170.83	01°57'27.5"(LT)	01°08'45.3"	170.84	85.43	5000.00
PT	969364.501	1560154.482							
LINE			N 38°17'20.7" W	238.18					
POT	969551.448	1560006.898							

ELSB POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	965466.938	1561098.948							
LINE			N 10°50'56.4" W	3016.22					
PC	968429.245	1560531.232							
CURVE			N 24°42'36.0" W	958.27	27°43'19.3"(LT)	02°51'53.2"	967.68	493.51	2000.00
PT	969299.771	1560130.650							
LINE			N 38°34'15.7" W	277.69					
POT	969516.878	1559957.516							

EYRPA POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	967720.534	1561343.484							
LINE			N 35°42'43.7" W	656.21					
PC	968253.346	1560960.448							
CURVE			N 34°39'23.7" W	184.22	02°06'40.1"(RT)	01°08'45.3"	184.23	92.13	5000.00
PT	968404.881	1560855.690							
LINE			N 33°36'03.7" W	178.91					
PC	968553.898	1560756.679							
CURVE			N 35°49'48.1" W	1089.02	04°27'28.8"(LT)	00°24'33.3"	1089.30	544.92	14000.00
PT	969436.831	1560119.184							
LINE			N 38°03'32.5" W	163.46					
POT	969565.536	1560018.416							

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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