

ATUM DESCRIPTION	Prepared in the	Office of:
OORDINATE SYSTEM DEVELOPED FOR THIS PROJECT HE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5527-2" 3/NA 2011 STATE PLANE GRID COORDINATES OF NG: 966,405.7338(ft) EASTING: 1,560,952.3640(ft) ELEVATION: 958.9567(ft) COMBINED GRID FACTOR USED ON THIS PROJECT GROUND TO GRID) IS: 1.000031582997		
ED HORIZONTAL GROUND DISTANCE FROM	2018 STANDARD SPECI	FICATIONS
35527-2" TO -LNB- STATION 10+00.00 IS S 12°29'11.22" E 947.51(ft) ENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88	RIGHT OF WAY DATE: XX/XX/XXXX	LETTING DAT



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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.



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



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 Jaunuary, 2024.

DocuSigned by: Michael L. Moting _____FDB6EE70E23C40E

Professional Land Surveyor L-3877



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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION





NOTES:

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

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EFERENCE N	IO. SHEET NO.
35527	RW02C-2
ition c	ind Surveys
ISERT CONS	SULTANT'S NAME
PROJECT	SURVEYOR A R O / J
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BLSB					
	POINT	DESC.	NORTH	EAST	ELEVATION
NCDO	TB55271	B55271	965633.9090	1561104.2060	987.53
NCDO	TB55272	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
Βĭ					
	PUINI	DESC.		EASI	ELEVATION
NCDO	TEQ5		967886.2816	1560606.7200	979.71
NCDO	Τ7		967414.5282	1561217.1970	949.92
BYNB					
	POINT	DESC.	NORTH	EAST	ELEVATION
1		R55271	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
1Ø		B55271Ø	968916.0147	1560529.0120	1019.72
1 1		B552711	969178.8367	1560342.6060	1029.34
12		B552712	969703.2623	1559927.4960	1050.73

SURVEY CONTR W/EXISTING CENTERLINE ALIGNMEN

ELNB									
POINT	N	E	BEARING	DIST	DELTA	D		Т	R
POT	965480.633	1561157.224							
INE			N 10°50′30.0" W	479.29					
	965951.366	1561067.072				a1:00/00 all	00000		2000.00
<u>JURVE</u> Dit			N 05'47'56.1" W	668.03	I0'05'07.9"(RT)	01'30'28.0"	668.90	335.31	3800.00
INF	106.1000	100011.070	N 00°45′221"W	684 114					
	967299.963	1560990.549		001.01					
CURVE			N 10°18′50.0" W	996.25	19°Ø6′55.7"(LT)	Ø1°54′35.5"	1000.88	505.14	3000.00
PCC	968280.114	1560812.180							
<u>CURVE</u>		1500040.000	N 24°25′40.4" W	416.26	09°06′45.2"(LT)	Ø2°11′12.7"	416.70	208.79	2620.00
	968659.108	1560640.038		E2 20					
	968704 768		W 1.203037.1 W	52.20					
	,00704.700	1300014.747	N 32°39′28-2" W	358-81	07°20′50-2"(T)	02°02′46.6"	359.06	179.77	2800.00
PT	969006.853	1560421.126		000101			00 /100	1, ,8, ,	2000100
_INE			N 36°19′53.2"W	275.29					
	969228.630	1560258.026							
<u>CURVE</u>			<u>N 37°18′37.Ø"W</u>	170.83	Ø1°57′27.5"(LT)	Ø1°Ø8′45.3"	170.84	85.43	5000.00
	969364.501	1560154.482		220.10					
	969551 448	1560006 898	N 381/20./W	230.10					
01	0,00,001.40	100000.010							
ELSB									
POINT	N	F	BEARING	DIST	DELTA			Т	R
POT	965466,938	1561098,948							
_INE			N 10°50′56.4" W	3Ø16.22					
°C	968429.245	1560531.232							
<u>CURVE</u>	00000 774	1500100 050	N 24°42′36.Ø"W	958.27	27°43′19.3"(LT)	Ø2°51′53.2"	967.68	493.51	2000.00
	969299.771	1560130.650							
	969516.878	1559957 516	N 38 34 15.7 W	277.67					
01	0,010.070	10000000							
EYRPA									
POINT	N	F	BEARING	DIST	DELTA			Т	R
POT	967720,534	1561343,484						1	
_INE			N 35°42′43.7"W	656.21					
°C	968253.346	1560960.448							
		1500055.000	<u>N 34°39′23.7" W</u>	184.22	02°06′40.1"(RT)	Ø1°Ø8′45.3"	184.23	92.13	5000.00
	968404.881	1560855.690		170.01					
	968553 898	1560756 679	<u>IN 33 36 1/3./~W</u>	1/8.71					
	00000000	1000100.019	N 35°49′48 1" W	1089 02	1/14°27′28 8"(I T)	MM°24'33 3"	10289 20	544 92	14000 00
	969436.831	1560119,184					100 1.00		11000.00
INE			N 38°Ø3′32.5" W	163.46					
POT	969565.536	1560018.416							

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SURVEY CONTROL SHEET BASELINE AND BENCHMARKS

RC	DL S	HE	ET
TS	PRIOR	ΤΟ	CONSTRUCTION

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

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		LNB	
TYPE	STATION	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
		LSB	
TYPE	STATION	NORTH	FAST

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

NOTES:

- AND SURVEYS UNIT.

PROJECT REFERENCE NO.	SHEET NO.
B5527	RW02C-3
Location and S	urveys
PROJECT SURVEYOR	
DOCUMENT NOT CONSID UNLESS ALL SIGNATURES	ERED FINAL COMPLETED

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:

This 10 th day of Jaunuary, 2024.

-DocuSigned by: Michael S. Motigen SFE70E23C40E

Professional Land Surveyor L-3877

PROPOSED ALIGNMENT

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