

6/2/2025 15:45
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Victoria Reynolds

REVISIONS

I, Joel F. Alvarado, PLS, certify that the Project Control was performed 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: Static
Dates of survey: January 2024
Datum/Epoch: NAD 83/2011
Published/Fixed-control use: NCCH, NCJV, and NCKN CORS
Localized around: GPS-1
Northing: 331044.008
Easting: 2379599.277
Combined grid factor: 0.99993154659
Geoid model: 18
Units: US Survey Feet

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 January 2nd to January 17th 2024, 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 12th day of August, 2025.

Joel F. Alvarado

Digitally signed by Joel F. Alvarado
DN: cn=US, email=esjoel.alvarado@sam.biz, cn=Joel F. Alvarado
Date: 2025.08.14 14:43:25-04'00'

Professional Land Surveyor L-5433

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL

POINT	DESC	NORTH	EAST	ELEVATION
BL-101	TRAVERSE CAP AND REBAR	331576.043	2379911.072	22.115
BL-102	TRAVERSE CAP AND REBAR	332206.450	2380284.524	23.762
BL-103	TRAVERSE CAP AND REBAR	332811.377	2380818.395	23.486
BL-104	TRAVERSE CAP AND REBAR	333082.888	2381249.603	22.623

GPS

POINT	DESC	NORTH	EAST	ELEVATION
GPS-1	GPS CAP AND REBAR	331044.008	2379599.277	21.948
GPS-2	GPS CAP AND REBAR	333346.880	2381808.051	19.913

BM1 ELEVATION = 22.709
N 332,273.7910 E 2,380,237.5510
EL STATION 9+09.32 92.97' (LT)
BENCHTIE IN 12" OAK

EXISTING ALIGNMENT NAME:EL									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
POB	331423.825	2379842.604							
LINE			N30°23'35"E	305.225					
PC	331687.104	2379997.027							
CURVE					1.419° Left	0.942°	150.616	75.312	6080.000
PT	331817.226	2380072.872							
LINE			N30°47'43"E	402.070					
PC	332162.605	2380278.720							
CURVE					27.245° Right	2.491°	1093.675	557.380	2300.000
PCC	332941.464	2381031.804							
CURVE					6.440° Right	1.848°	348.412	174.390	3100.000

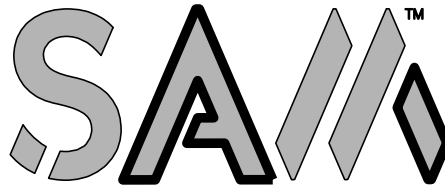
NOTES:

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

PROJECT REFERENCE NO.
BR-0174

SHEET NO.
RW02C-4

Location and Surveys



2641-116 Sumner Blvd.
Raleigh, NC 27616
Ofc: 919.878.7468
Email: info@sam.biz

PROJECT SURVEYOR



