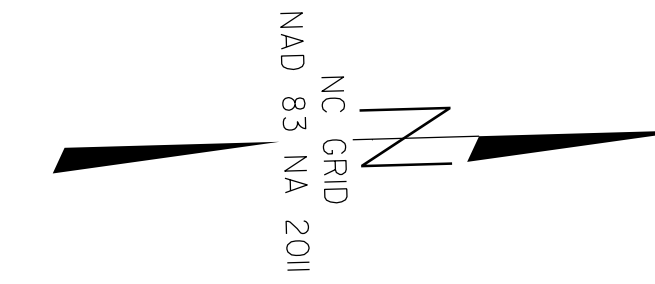


SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

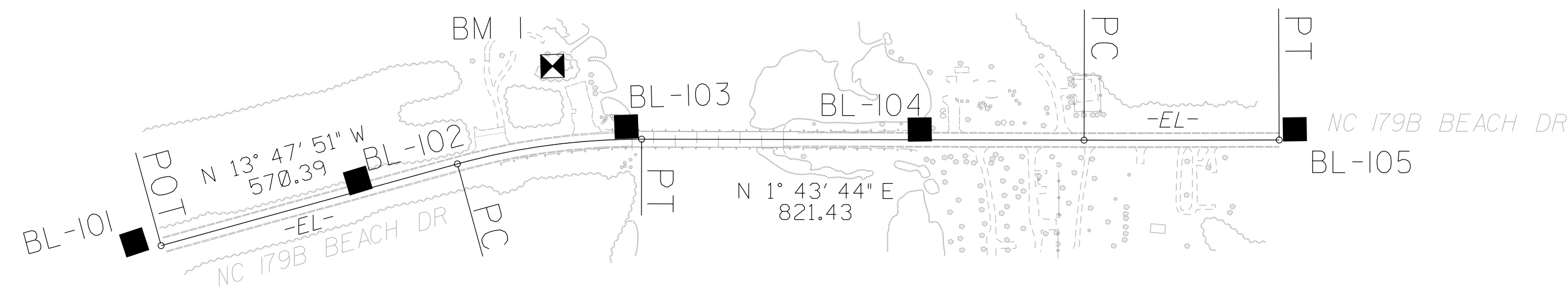


| | |
|---|-----------------------------|
| PROJECT REFERENCE NO. BR-0160 | SHEET NO. RW02C-1 |
| Location and Surveys | |
| LOCATION AND SURVEYS DIVISION 3 5310 BARBADOS BLVD., SUITE 102 CASTLE HAYNE, N.C., 28429 | |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

BR0160-1



BR0160-2



I, CHRISTOPHER J. SAWYER, 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: RTN
 Dates of survey: MARCH 15, 2019
 Datum/Epoch: NAD 83/NA 2011
 Published/Fixed-control use: N/A to RTN
 Localized around: BR0160-2
 Northing: 49564.6362
 Easting: 2137080.5314
 Combined grid factor: 1.0001574709
 Geoid model: G12BNC
 Units: US SURVEY FEET

I also certify that the Baseline Control for this project was verified 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 February 23, 2022, 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 17th day of February, 2023.

CHRISTOPHER J. SAWYER
 Professional Land Surveyor L-4526

| BL | POINT | DESC. | NORTH | EAST | ELEVATION |
|----|----------|-------------------|------------|--------------|-----------|
| | BR0160-1 | GPS CAP AND REBAR | 49348.6672 | 2135906.3343 | 23.13 |
| | BR0160-2 | GPS CAP AND REBAR | 49564.6362 | 2137080.5314 | 24.23 |
| | BL-101 | TRV CAP AND REBAR | 50044.0640 | 2136922.5370 | 22.97 |
| | BL-102 | TRV CAP AND REBAR | 50462.2180 | 2136819.6790 | 17.58 |
| | BL-103 | TRV CAP AND REBAR | 50963.1850 | 2136733.9180 | 7.40 |
| | BL-104 | TRV CAP AND REBAR | 51507.5110 | 2136754.3640 | 8.86 |
| | BL-105 | TRV CAP AND REBAR | 52203.9090 | 2136773.5670 | 20.38 |

 BM1 ELEVATION = 11.88
 N 50829 E 2136618
 BL STATION 30+25.00 137 LEFT
 RRS IN 21" OAK

| EL | POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|----|-------|-----------|-------------|-----------------|--------|-----------------|-------------|--------|--------|----------|
| | POT | 50093.926 | 2136930.257 | | | | | | | |
| | LINE | | | N 13°47'51.3" W | 570.39 | | | | | |
| | PC | 50647.852 | 2136794.224 | | | | | | | |
| | CURVE | | | N 06°02'03.9" W | 345.18 | 15°31'34.9"(RT) | 04°29'03.5" | 346.24 | 174.19 | 1277.69 |
| | PT | 50991.118 | 2136757.937 | | | | | | | |
| | LINE | | | N 01°43'43.6" E | 821.43 | | | | | |
| | PC | 51812.176 | 2136782.718 | | | | | | | |
| | CURVE | | | N 01°33'09.4" E | 362.07 | 00°21'08.4"(LT) | 00°05'50.3" | 362.08 | 181.04 | 58879.33 |
| | PT | 52174.118 | 2136792.528 | | | | | | | |

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.