



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| BR-0100 | RW02C-1 |
| Location and Surveys | |
|  TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275 | |
| PROJECT SURVEYOR | |
|  | |
| DocuSigned by: Matthew Cornwell <small>EB038F11473E475...</small> 9/2/2021 | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

EXISTING ALIGNMENTS

| EL POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|----------|------------|-------------|-----------------|---------|-----------------|-------------|--------|--------|---------|
| PC | 657737.778 | 1173142.613 | N 82°10'47.5" E | 610.49 | 12°05'02.2"(LT) | 01°58'32.6" | 611.62 | 306.95 | 2900.00 |
| CURVE | | | | | | | | | |
| PT | 657820.843 | 1173747.427 | N 76°08'16.4" E | 1023.80 | | | | | |
| LINE | | | | | | | | | |
| POT | 658066.132 | 1174741.409 | | | | | | | |

| EY POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|----------|------------|-------------|-----------------|--------|-----------------|-------------|--------|--------|--------|
| POT | 658127.856 | 1173778.362 | | | | | | | |
| LINE | | | S 42°30'21.9" W | 85.03 | | | | | |
| PC | 658065.170 | 1173720.909 | | | | | | | |
| CURVE | | | S 38°29'22.9" W | 80.55 | 08°01'57.9"(LT) | 09°57'52.1" | 80.61 | 40.37 | 575.00 |
| PCC | 658002.124 | 1173670.778 | | | | | | | |
| CURVE | | | S 14°02'05.2" W | 216.51 | 40°52'37.5"(LT) | 18°28'57.0" | 221.17 | 115.53 | 310.00 |
| PT | 657792.081 | 1173618.273 | | | | | | | |

BENCHMARK

.....
 BM1 ELEVATION = 1142.53
 N 657952 E 1174601
 BL STATION 25+29.00
 N 85°56'13.9" E DIST 547.35
 RR SPIKE IN BASE OF 22' WHITE OAK



I, Matthew T. Cornwell, 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: 6/23/2021
 Datum/Epoch: **NAD83/2011**
 Published/Fixed-control use: **N/A**
 Localized around: **BR0100-2**
 Northing: 657749.965
 Easting: 1172661.797
 Combined grid factor: 0.99983591
 Geoid model: **12BNC**
 Units: **US Survey Feet**

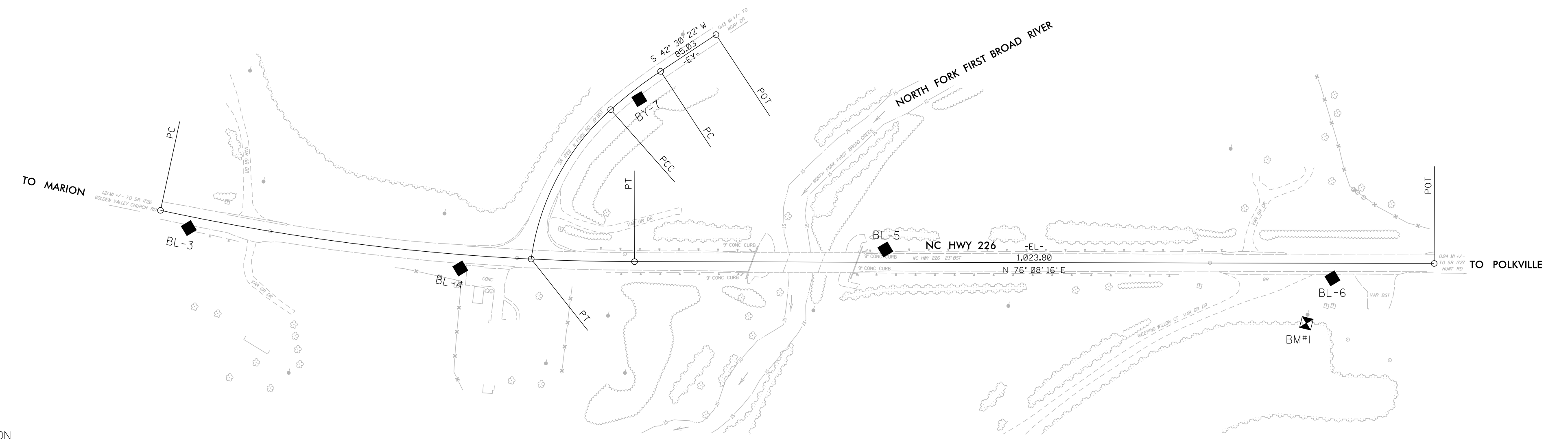
I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 8/3/2021 to 8/4/2021, 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 21NCA 56.1600 as applicable.

This 2nd day of September, 2021.

DocuSigned by:
Matthew Cornwell 9/2/2021
EB038F11473E475...
 Professional Land Surveyor L-4775

BRO100-1

BRO100-2



BASELINE

| BL POINT | DESC. | NORTH | EAST | ELEVATION |
|----------|----------|-------------|--------------|-----------|
| 1 | BR0100-1 | 657741.4410 | 1172050.9310 | 1109.41 |
| 2 | BR0100-2 | 657749.9650 | 1172661.7970 | 1109.15 |
| 3 | BL-3 | 657724.4590 | 1173183.1660 | 1109.87 |
| 4 | BL-4 | 657758.4222 | 1173532.9923 | 1110.20 |
| 5 | BL-5 | 657913.5502 | 1174055.2097 | 1108.93 |

| BY POINT | DESC. | NORTH | EAST | ELEVATION |
|----------|-------|-------------|--------------|-----------|
| BY4 | | 657758.4222 | 1173532.9923 | 1110.20 |
| 7 | BY-7 | 658024.0217 | 1173703.0633 | 1111.42 |

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.