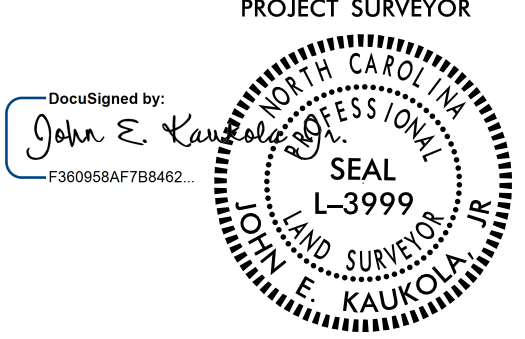


REVISIONS

I:\AUG-2020\1637
 P:\Bridgemonitoring\2020\US701-ETown\Full Survey\04-2020\b-rw plans\control_sheets\08-0016_1s.rw02c-6.dgn
 c:\blackmon AT DIV6-312634

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|----------------------|
| PROJECT REFERENCE NO. 48793.3.1 | SHEET NO. RW02C-6 |
| Location and Surveys | |
| NCDOT LOCATION AND SURVEYS DIVISION 6 4834 HWY 301 SOUTH HOPE MILLS, NC 28348 | |
| PROJECT SURVEYOR  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| BL | POINT | DESC. | NORTH | EAST | ELEVATION |
|----|--------|-------|-------------|--------------|-----------|
| 3 | BL -3 | | 320157.2806 | 2118660.2071 | 118.02 |
| 4 | BL -4 | | 320525.1637 | 2118797.4552 | 93.91 |
| 1 | BL -1 | | 320941.8020 | 2119072.0170 | 79.37 |
| 2 | BL -2 | | 321926.0900 | 2119730.5700 | 75.05 |
| 5 | BL -5 | | 322355.6189 | 2120048.9759 | 60.41 |
| 6 | BL -6 | | 322824.0139 | 2120357.1482 | 54.37 |
| 7 | BL -7 | | 323173.7894 | 2120576.4220 | 55.80 |
| 8 | BL -8 | | 323628.0250 | 2120890.9734 | 54.64 |
| 10 | BL -10 | | 324096.6566 | 2121207.9827 | 53.56 |
| 11 | BL -11 | | 324584.0442 | 2121531.4117 | 53.60 |
| 12 | BL -12 | | 325059.0600 | 2121834.4320 | 56.33 |

| BY | POINT | DESC. | NORTH | EAST | ELEVATION |
|----|-------|-------|-------------|--------------|-----------|
| 4 | BL -4 | | 320525.1637 | 2118797.4552 | 93.91 |
| 9 | BL -9 | | 320407.0477 | 2119284.4394 | 100.30 |

| ADDITIONAL CONTROL | POINT | DESC. | NORTH | EAST | ELEVATION |
|--------------------|-------|-------|-------------|--------------|-----------|
| 100 | 100 | | 321872.6290 | 2119389.8616 | 35.78 |
| 101 | 101 | | 321858.4366 | 2119701.2228 | 40.05 |
| 102 | 102 | | 321775.5460 | 2119801.4190 | 39.20 |
| 104 | 104 | | 320584.3567 | 2118752.6053 | 89.67 |
| 105 | 105 | | 321330.7858 | 2119184.7053 | 31.20 |
| 107 | 107 | | 321329.5831 | 2119098.6578 | 31.24 |

```

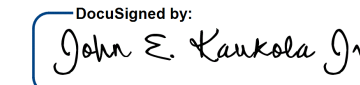
.....
BM1      ELEVATION = 33.24
N 321390      E 2119242
R/R SPIKE IN 18" GUM
.....
BM2      ELEVATION = 40.18
N 321866      E 2119603
R/R SPIKE IN 15" PINE
.....
BM3      ELEVATION = 42.72
N 323681      E 2121087
R/R SPIKE IN 22" PINE
.....
BM4      ELEVATION = 48.30
N 324418      E 2121568
R/R SPIKE IN 24" PINE
.....
    
```

I, John E. Kaukola 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: March 2020
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: NCGS CORS STA.- "NCFA", "NCWH", "NCLU"
 Localized around: 08-0016 "BL-2"
 Northing: 321926.08'
 Easting: 2119730.57'
 Combined grid factor (Grid to Ground): 0.999932194
 Geoid model: G12B
 Units: English (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 March 2020 to May 2020, 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 15th day of July, 2020.

DocuSigned by:

 F30095AFT88462
 Professional Land Surveyor L-3999



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.