

REVISIONS

18-JUN-2021 13:45  
K:\20-20-0020-200626.10-BR0090 CON Bridge location\Geomatics\NC001\Drawings\br0090.lis.rw02c-2.dgn  
r.vandervelde AT WRI701

**SURVEY CONTROL SHEET**  
**W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION**


PROJECT REFERENCE NO.  
BR0090

SHEET NO.  
RW02C-2

Location and Surveys

WITHERSRAVENEL

PROJECT SURVEYOR




DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

I, RUDOLF A. VANDERVELDE JR., 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: VRS-RTN  
Dates of survey: 5/31/21 - 6/11/21  
Datum/Epoch:NAD 83/2011  
Published/Fixed-control use: SITE CONTROL  
Localized around: BR0090-2  
Northing: 892,418.7266  
Easting: 2,292,969.4230  
Combined grid factor: 1.0000050434 (GROUND TO GRID)  
Geoid model:12B  
Units: 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 5/31/21 to 6/11/21 , 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 18 day of JUNE, 2021.  
  
Professional Land Surveyor L-5146  
6/18/2021

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BR0090-1	892047.0067	2292508.0717	206.76
2		BR0090-2	892418.7266	2292969.4230	192.12
101		BL-101	892982.4150	2293448.2240	172.39
102		BL-102	893427.8720	2293809.4280	165.70
103		BL-103	893881.5670	2294174.0460	166.08

\*\*\*\*\*  
BM1 ELEVATION = 176.74  
N 893024 E 2293413  
BL STATION 18+42.00 53 LEFT  
RR SPIKE IN BASE OF 12" PINE  
\*\*\*\*\*  
\*\*\*\*\*  
BM2 ELEVATION = 161.86  
N 893646 E 2294004  
BL STATION 26+97.00 15 RIGHT  
RR SPIKE IN BASE OF 18" OAK  
\*\*\*\*\*

EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT		893038.373	2293470.803							
LINE				N 38°59'15.1" E	299.56					
PC		893271.219	2293659.274							
CURVE				N 38°56'44.6" E	14.59	00°05'01.0"(LT)	00°34'22.6"	14.59	7.30	10000.00
PT		893282.569	2293668.447							
LINE				N 38°54'14.1" E	994.00					
POT		894056.103	2294292.698							

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.