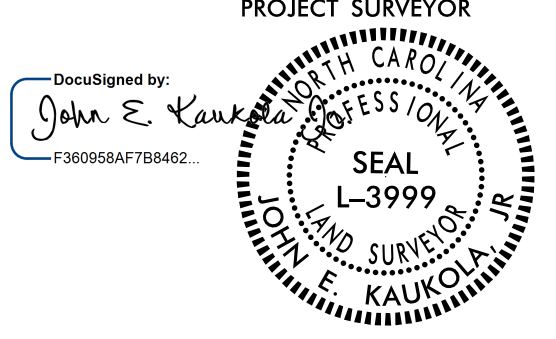


REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. R-5797	SHEET NO. RW02C-7
Location and Surveys	
DIVISION OF HIGHWAYS LOCATION AND SURVEYS DIVISION 6 FIELD OFFICE	
PROJECT SURVEYOR DocuSigned by: <i>John E. Kaulola Jr.</i> F380956AF788462	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, JOHN E. KAUKOLA 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: Fast-Static
 Dates of survey: January 4, 2018
 Datum/Epoch: NAD83/NA2011
 Published/Fixed-control use: Project Control
 Localized around: R-5797-4
 Northing: 252670.283
 Easting: 2011601.474
 Combined grid factor: 0.09999718048
 Geoid model: G12B
 Units: US Survey Foot

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 August 2017 to January 2018
 , 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 1st day of March, 2021.
 DocuSigned by:
John E. Kaulola Jr.
 F380956AF788462
 Professional Land Surveyor L-3999



.....
 BM1 ELEVATION = 88.40
 N 251289 E 2013306
 SCRIBE IN END WALL

 BM2 ELEVATION = 88.56
 N 249559 E 2015219
 BENCHTIE NAIL SET IN 48" PINE

 BM3 ELEVATION = 86.63
 N 247386 E 2016240
 SCRIBE IN DI CONCRETE

 BM4 ELEVATION = 90.66
 N 250841 E 2015240
 BENCHTIE NAIL SET IN 24" PECAN

 BM5 ELEVATION = 86.42
 N 247532 E 2015038
 BENCHTIE NAIL SET IN 18" PINE

BL	POINT	DESC.	NORTH	EAST	ELEVATION
101	BL-101		251607.2870	2012826.0510	87.74
102	BL-102		251297.4820	2013322.8270	86.88
103	BL-103		250885.4800	2013900.4090	85.20
104	BL-104		250515.0710	2014307.0060	85.18
105	BL-105		250171.4250	2014614.6310	86.83
106	BL-106		249771.9980	2014922.3340	88.43
107	BL-107		249108.2630	2015278.3790	89.05
108	BL-108		248545.1070	2015591.8350	88.96
109	BL-109		248043.9060	2015864.8760	88.58
110	BL-110		247566.4720	2016125.8260	89.22

BY	POINT	DESC.	NORTH	EAST	ELEVATION
150	BY-150		250780.5410	2015262.7750	89.78
151	BY-151		250270.8850	2015114.0700	87.88
A106	BL-106		249771.9980	2014922.3340	88.43
152	BY-152		249209.2570	2014760.1440	86.09
153	BY-153		248613.7530	2014558.9730	85.21
154	BY-154		248086.4610	2014609.0430	84.90
155	BY-155		247515.8350	2014989.7310	85.21

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
156	BY1-156		251201.4380	2013825.4070	87.28
157	BY1-157		251020.6330	2014474.3310	87.96
158	BY1-158		250928.0720	2014828.0200	88.83
A150	BY-150		250780.5410	2015262.7750	89.78

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.