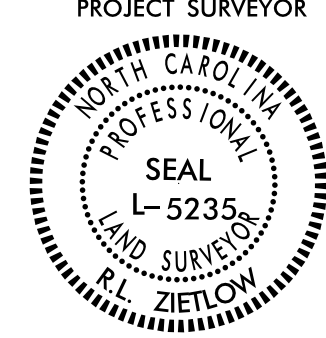


SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-5921	RW02C-B
Location and Surveys	
MATTERN & CRAIG ENGINEERS & SURVEYORS 12 BROAD STREET ASHEVILLE, NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

POINT	DESC.	NORTH	EAST	ELEVATION
57	BY10-57	684204.8620	804198.5030	2593.13
22	BL22	683850.0080	804278.7380	2598.38

BM7 ELEVATION = 2683.55
N 675832 E 802791
BM7 NW CORNER OF HEAD WALL

BM17 ELEVATION = 2557.66
N 688211 E 806098
BM17 RR SPIKE SET IN BASE OF 16" PEAR

POINT	DESC.	NORTH	EAST	ELEVATION
28	BL28	688562.5540	806249.9370	2556.44
58	BY11-58	687992.1470	806532.5060	2570.28

BM8 ELEVATION = 2663.56
N 677201 E 803425
BM8 RR SPIKE SET IN 18" MAPLE

BM18 ELEVATION = 2549.85
N 689408 E 806593
BM18 RR SPIKE SET IN 22" MAPLE

POINT	DESC.	NORTH	EAST	ELEVATION
59	BY12-59	688656.1280	805780.1330	2554.17
28	BL28	688562.5540	806249.9370	2556.44

BM9 ELEVATION = 2648.62
N 678354 E 804060
BM9 RR SPIKE SET IN 30" MAPLE

BM19 ELEVATION = 2544.61
N 690647 E 807181
BM19 SW CORNER OF HEADWALL

POINT	DESC.	NORTH	EAST	ELEVATION
60	BY13-60	691388.0880	807185.5940	2534.72
31	BL31	691423.2010	807496.7570	2540.02

BM10 ELEVATION = 2646.50
N 679117 E 804391
BM10 RR SPIKE SET IN DOUBLE BIRCH

BM20 ELEVATION = 2529.66
N 691884 E 807768
BM20 RR SPIKE SET IN 24" PINE

POINT	DESC.	NORTH	EAST	ELEVATION
61	BY14-61	694436.6070	808152.6600	2539.87
35	BL35	694404.8090	808540.3170	2512.99

BM11 ELEVATION = 2626.50
N 680769 E 804233
BM11 RR SPIKE SET IN 54" OAK

BM21 ELEVATION = 2532.48
N 693083 E 808090
BM RR SPIKE SET IN 24" PINE

POINT	DESC.	NORTH	EAST	ELEVATION
35	BL35	694404.8090	808540.3170	2512.99
62	BY15-62	694334.5560	808862.5450	2510.65
63	BY15-63	694283.8670	809031.5130	2508.25

BM12 ELEVATION = 2612.87
N 682552 E 803993
BM12 RR SPIKE SET IN 20" PINE

BM22 ELEVATION = 2530.22
N 693657 E 808306
BM22 RR SPIKE SET IN 12" DOUBLE HICKORY

POINT	DESC.	NORTH	EAST	ELEVATION
56	BY9-56	683052.2720	804382.5880	2600.09
21	BL21	683378.6030	804243.2930	2602.61

BM13 ELEVATION = 2601.52
N 683233 E 804258
BM13 NE CORNER OF HEAD WALL CNR HW

BM23 ELEVATION = 2517.17
N 694293 E 808640
BM23 NW CORNER OF TELECOMMUNICATIONS PAD

POINT	DESC.	NORTH	EAST	ELEVATION
64	BY16-64	697499.1840	808957.9350	2491.74
37	BL37	697156.6190	809097.3580	2508.88

BM14 ELEVATION = 2590.80
N 684769 E 804849
BM14 RR SPIKE SET IN 12" DOUBLE SYCAMORE

BM24 ELEVATION = 2507.50
N 695341 E 808625
BM24 NE CORNER OF CONC SIGN PAD

POINT	DESC.	NORTH	EAST	ELEVATION
40	BL40	698954.0570	809414.2230	2535.90
65	BY17-65	698843.5720	809541.3620	2538.94

BM15 ELEVATION = 2583.10
N 686101 E 805380
BM15 RR SPIKE SET IN 16" PEAR

BM25 ELEVATION = 2499.79
N 696098 E 808809
BM25 SIGN BASE

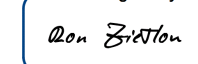
BM16 ELEVATION = 2577.07
N 687046 E 805779
BM16 RR SPIKE SET IN BASE OF 20" TREE

I, R.L. ZIETLOW, PLS, certify that the Project Control was verified 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: 3/17/20
Datum/Epoch: NAD83(NA2011)
Published/Fixed-control use: Project Control
Localized around: G106
Northing: 682555.515
Easting: 804080.456
Combined grid factor: 0.999766406
Geoid model: G12BNC
Units: English

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 3/25/20 to 8/29/21, 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 30th day of August, 2021.

DocuSigned by:

R.L. ZIETLOW
Professional Land Surveyor L-5235

BM26 ELEVATION = 2510.33
N 697091 E 809150
BM26 SE CORNER OF HEAD WALL

BM27 ELEVATION = 2490.76
N 697536 E 808983
BM27 RR SPIKE SET IN 30" SYCAMORE

BM28 ELEVATION = 2539.39
N 698167 E 809302
BM28 CONC WW I-40 OVERPASS BRIDGE

BM29 ELEVATION = 2534.82
N 698855 E 809459
BM29 RR SPIKE SET IN 8" OAK

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.

REVISIONS

03-NOV-2021 08:25
R-5921 RW02C-B
R.L. Zietlow
F:\Projects\Survey\3921\US_276\06_Working\Folders\Survey\Deliverables\Control_Sheets\5921\1s_rw02c-8.dgn