

REVISIONS

03-NOV-2021 08:43
1:39:21 RCD001 Survey\3921W US 276.06 Working Folders\Survey\Deliverables\Control Sheets\5921.Ls.rw02c-7.dgn
R.Zietlow AT MC-ASH-WKS-LS2H

BL	POINT	DESC.	NORTH	EAST	ELEVATION
101		GPS101	669231.7540	801753.3560	2757.83
1		BL1	669797.1740	801536.2320	2741.31
102		GPS102	669847.1150	801591.5210	2740.75
2		BL2	670195.1430	801435.7400	2737.13
3		BL3	670857.9140	801504.5940	2728.46
4		BL4	671549.1500	801681.6360	2722.54
5		BL5	672183.9880	801616.3730	2716.17
6		BL6	672877.9320	801621.0540	2711.53
7		BL7	673299.6550	801699.0670	2707.89
8		BL8	674102.5580	802028.3360	2699.76
9		BL9	674535.8460	802420.8570	2692.49
10		BL10	674989.6650	802765.7090	2687.91
11		BL11	675427.7890	802846.6180	2686.34
103		GPS103	675786.9180	802909.1390	2687.94
12		BL12	675804.7910	802847.5540	2689.25
104		GPS104	676228.9730	802957.7480	2681.73
13		BL13	676723.6220	803036.2860	2670.72
14		BL14	677464.4420	803426.5300	2658.50
15		BL15	677996.9100	803724.9250	2654.13
16		BL16	678583.8090	804097.0850	2649.00
17		BL17	679232.4180	804349.3690	2643.13
18		BL18	679812.8420	804306.7360	2637.48
19		BL19	680200.5960	804217.0600	2636.14
20		BL20	680923.8070	804094.7840	2625.72
105		GPS105	682019.0640	804040.1710	2616.85
106		GPS106	682555.5150	804080.4560	2611.42
21		BL21	683378.6030	804243.2930	2602.61
22		BL22	683850.0080	804278.7380	2598.38
23		BL23	684438.1540	804558.8410	2592.13
24		BL24	685111.3990	804837.9580	2586.69
25		BL25	685792.4760	805116.2710	2582.81
26		BL26	686482.1100	805395.4060	2578.50
27		BL27	687187.9350	805691.2520	2572.33
107		GPS107	688186.4040	806165.7620	2558.04
28		BL28	688562.5540	806249.9370	2556.44
108		GPS108	688820.2960	806427.4530	2552.97
A28		BL28A	689417.2960	806677.2050	2548.73
29		BL29	690062.0950	806859.4300	2544.38
30		BL30	690662.0110	807187.9090	2544.25
31		BL31	691423.2010	807496.7570	2540.02
32		BL32	691996.9530	807662.5580	2536.71
33		BL33	692914.7050	808108.7660	2531.39
34		BL34	693826.0330	808473.6940	2526.12
35		BL35	694404.8090	808540.3170	2512.99
36		BL36	695383.6670	808773.2480	2506.58
109		GPS109	695673.4650	808783.8730	2504.95
110		GPS110	696460.3970	808922.5030	2501.75
37		BL37	697156.6190	809097.3580	2508.88
38		BL38	697665.8450	809301.3570	2516.64
39		BL39	698356.1560	809458.6990	2526.93
40		BL40	698954.0570	809414.2230	2535.90

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
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41		BY1-41	669150.0620	800749.7930	2751.47
42		BY1-42	669187.0200	801304.8490	2752.83
101		GPS101	669231.7540	801753.3560	2757.83
43		BY1-43	669274.3120	802237.9120	2782.09
44		BY1-44	669265.8930	802747.3710	2808.20

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
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45		BY2-45	669741.5290	801225.8200	2735.04
1		BL1	669797.1740	801536.2320	2741.31

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
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46		BY3-46	672428.6900	801496.7470	2708.51
47		BY3-47	671838.3700	801552.0020	2712.80
48		BY3-48	671431.4750	801512.7060	2718.27
3		BL3	670857.9140	801504.5940	2728.46

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
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3		BL3	670857.9140	801504.5940	2728.46
49		BY4-49	670976.5110	801731.5710	2732.62
50		BY4-50	671254.8740	801818.2740	2761.52
51		BY4-51	671629.1600	801827.7980	2775.87

BY5	POINT	DESC.	NORTH	EAST	ELEVATION
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52		BY5-52	674332.9450	801542.5790	2696.23
8		BL8	674102.5580	802028.3360	2699.76

BY6	POINT	DESC.	NORTH	EAST	ELEVATION
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15		BL15	677996.9100	803724.9250	2654.13
53		BY6-53	677467.5220	804164.1060	2663.02

BY7	POINT	DESC.	NORTH	EAST	ELEVATION
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17		BL17	679232.4180	804349.3690	2643.13
54		BY7-54	679430.3850	804873.3290	2637.58

BY8	POINT	DESC.	NORTH	EAST	ELEVATION
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55		BY8-55	681034.8880	803480.6720	2626.42
20		BL20	680923.8070	804094.7840	2625.72

 BM5 ELEVATION = 2702.00
 N 673579 E 801769
 BM 5 RR SPIKE SET IN 14" PINE

 BM6 ELEVATION = 2690.31
 N 674795 E 802563
 BM6 RR SPIKE SET IN 24" DOUBLE MAPLE

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.

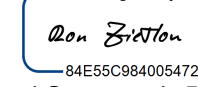
PROJECT REFERENCE NO.	SHEET NO.
R-5921	RW02C-7
Location and Surveys	
MATTERN & CRAIG ENGINEERS & SURVEYORS 12 BROAD STREET ASHEVILLE, NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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

 BM1 ELEVATION = 2552.06
 N 669097 E 801130
 BM1 SW CORNER HEAD WALL

 BM2 ELEVATION = 2746.01
 N 669535 E 801575
 BM2 RR SPIKE SET IN 32" MAPLE

 BM3 ELEVATION = 2728.18
 N 670872 E 801498
 BM3 SW CORNER OF HEAD WALL

 BM4 ELEVATION = 2708.82
 N 672468 E 801584
 BM4 RR SPIKE SET IN 11" OAK
