SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-2577A	RW02C-10

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

BL

POINT	DESC.	NORTH	EAST	ELEVATION
1	GPS R2577A-1	857619.2541	1646305.8696	864.42
2	GPS R2577A-2	857863.0740	1647157.6841	876.02
101	BL-101	858959.9458	1647749.6474	855.58
102	BL-102	860628.1933	1648440.1921	885.46
103	BL-103	861642.8356	1648854.9798	902.63
4	GPS R2577A-4	862950.7106	1649353.2345	925.69
104	BL-104	863315.2345	1649641.5739	927.22
105	BL-105	863973.7425	1650139.6861	927.89
106	BL-106	864377.1793	1650482.7669	914.90
107	BL-107	865177.3753	1651203.6604	936.70
108	BL-108	865776.4036	1651640.8898	927.49
109	BL-109	866213.8201	1652015.0898	934.28
110	BL-110	866795.2058	1652560.1712	940.86
5	GPS R2577A-5	867402.5180	1653010.2757	951.32
6	GPS R2577A-6	868646.3570	1654101.3949	925.37
111	BL-111	869348.0491	1654687.5955	880.48
112	BL-112	869989.2694	1655223.9635	881.63
113	BL-113	870539.8272	1655686.3443	917.49
114	BL-114	871132.9171	1656113.2166	929.20
115	BL-115	871580.5329	1656548.7646	909.52
116	BL-116	872130.6202	1657006.3649	880.65
117	BL-117	872657.5500	1657452.6673	872.81
118	BL-118	873074.2498	1657641.6800	893.19
119	BL-119	873512.5834	1658179.6661	904.22
120	BL-120	873995.5220	1658507.3717	911.84
121	BL-121	874403.6461	1658707.0634	911.18
122	BL-122	874896.7898	1659189.2029	914.27
123	BL-123	875331.3259	1659534.7629	909.37
124	BL-124	875755.2559	1660030.0143	925.90
125	BL-125	876468.7449	1660634.8545	947.08
126	BL-126	876951.9511	1661032.1634	962.31
127	BL-127	877405.9621	1661415.0468	976.08
7	GPS R2577A-7	877821.4398	1661679.6677	967.58
128	BL-128	878456.9215	1662233.7657	959.08
129	BL-129	879102.9156	1662771.5942	932.63
130	BL-130	879676.1154	1663305.2292	950.99
131	BL-131	880317.6684	1663868.9964	973.04
132	BL-132	880908.4418	1664410.1216	985.63
9	GPS R2577A-9	881619.0728	1665020.1304	982.29
10	GPS R2577A-10	882571.0046	1665863.7418	977.27
133	BL-133	883108.4632	1666356.9623	972.83
134	BL-134	883657.7727	1666861.0422	960.30
135	BL-135	884218.4936	1667365.6763	943.52
136	BL-136	884756.9464	1667853.4558	938.37
137	BL-137	885157.0367	1668222.4399	933.02
138	BL-138	885611.5179	1668634.8049	952.76
139	BL-139	886053.8146	1669036.4268	929.21
11	GPS R2577A-11	886658.1169	1669534.9641	898.60
12	GPS R2577A-12	887489.1653	1670332.4138	933.16

BY1A

POINT	DESC.	NORTH	EAST	ELEVATION
140	BY-140	861406.9601	1647688.6038	918.63
141	BY-141	861564.9838	1648002.7360	914.65
142	BY-142	861915.2858	1648386.6773	923.27
3	GPS R2577A-3	862334.5226	1648657.6758	928.67
CP4		862950.7106	1649353.2345	UNKNOWN

BY1B

POINT	DESC.	NORTH	EAST	ELEVATION
CPB4		862950.7106	1649353.2345	UNKNOWN
143	BY-143	862853.0848	1649726.0217	918.08
144	BY-144	862947.5498	1650087.6033	911.28
145	BY-145	862926.8639	1650383.5624	901.08
146	BY-146	862738.4901	1650763.9396	886.50

BY1D

POINT	DESC.	NORTH	EAST	ELEVATION
CP143		862853.0848	1649726.0217	UNKNOWN
147	BY-147	863187.9105	1650047.8391	924.75
148	BY-148	863448.9327	1650341.9859	916.96

BY1E

POINT	DESC.	NORTH	EAST	ELEVATION
CP145		862926.8639	1650383.5624	UNKNOWN
149	BY-149	863191.3054	1650525.3257	915.56

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
151	BY-151	864124.8477	1649625.6932	912.36
150	BY-150	863956.2422	1649842.0465	920.31
CP105		863973.7425	1650139.6861	UNKNOWN

BY3

POINT	DESC.	NORTH	EAST	ELEVATION
CP106		864377.1793	1650482.7669	UNKNOWN
152	BY-152	864077.9874	1650737.4485	941.84
153	BY-153	864129.1639	1650922.6133	941.96

BY3A

POINT	DESC.	NORTH	EAST	ELEVATION
154	BY-154	863836.2621	1650706.0988	937.98
CP152		864077.9874	1650737.4485	UNKNOWN

BY4

POINT	DESC.	NORTH	EAST	ELEVATION
CP108		865776.4036	1651640.8898	UNKNOWN
155	BY-155	865583.8892	1651592.7396	929.75
156	BY-156	865614.6537	1651808.4615	930.54
157	BY-157	865624.1947	1652318.4029	942.18

BY4A

POINT	DESC.	NORTH	EAST	ELEVATION
158	BY-158	865292.7115	1651819.5426	938.13
CP156		865614.6537	1651808.4615	UNKNOWN

BY5

POINT	DESC.	NORTH	EAST	ELEVATION
CPB108		865776.4036	1651640.8898	UNKNOWN
159	BY-159	866385.7532	1651857.8088	926.62
160	BY-160	866972.0144	1652180.4697	937.24
161	BY-161	867595.8471	1652460.8326	942.91
162	BY-162	868263.2781	1652765.0472	955.13
163	BY-163	869075.4525	1652922.8815	941.16

BY5D

POINT	DESC.	NORTH	EAST	ELEVATION
164	BY-164	868097.1890	1652001.4882	946.87
CP161		867595.8471	1652460.8326	UNKNOWN

BY6

POINT	DESC.	NORTH	EAST	ELEVATION
CP110		866795.2058	1652560.1712	UNKNOWN
165	BY-165	866744.3824	1652840.2765	945.62
166	BY-166	866744.6013	1653290.3900	939.26

BY7

POINT	DESC.	NORTH	EAST	ELEVATION
CP5		867402.5180	1653010.2757	UNKNOWN
167	BY-167	868035.8653	1653541.0218	920.52
168	BY-168	867771.0224	1653888.5651	921.96
169	BY-169	867531.8181	1653740.4636	916.67

BY8

POINT	DESC.	NORTH	EAST	ELEVATION
CP6		868646.3570	1654101.3949	UNKNOWN
170	BY-170	868406.0341	1653849.3902	922.52
171	BY-171	868180.2697	1654132.4050	917.25
172	BY-172	867939.0995	1654419.1387	899.94

BY9

POINT	DESC.	NORTH	EAST	ELEVATION
CPB6		868646.3570	1654101.3949	UNKNOWN
173	BY-173	868503.7402	1654380.6784	924.86
174	BY-174	868247.4863	1654645.0082	918.90

BY10

POINT	DESC.	NORTH	EAST	ELEVATION
176	BY-176	869748.0780	1654186.4402	889.19
175	BY-175	869564.4773	1654421.8013	876.98
CP111		869348.0491	1654687.5955	UNKNOWN

BY10A

POINT	DESC.	NORTH	EAST	ELEVATION
CP176		869748.0780	1654186.4402	UNKNOWN
177	BY-177	869981.1032	1654172.8596	901.61

BY12

POINT	DESC.	NORTH	EAST	ELEVATION
178	BY-178	870863.1296	1655245.3965	910.17
CP113		870539.8272	1655686.3443	UNKNOWN

BY12A

POINT	DESC.	NORTH	EAST	ELEVATION
179	BY-179	871043.9989	1655282.3726	915.20
CP178		870863.1296	1655245.3965	UNKNOWN

BY13

POINT	DESC.	NORTH	EAST	ELEVATION
182	BY-182	872089.2976	1655578.3352	927.87
181	BY-181	872363.1623	1656048.6934	901.92
180	BY-180	872434.9574	1656684.9638	875.76
CP116		872130.6202	1657006.3649	UNKNOWN

BY13A

POINT	DESC.	NORTH	EAST	ELEVATION
CP117		872657.5500	1657452.6673	UNKNOWN
183	BY-183	872524.5761	1657634.1316	875.73
184	BY-184	872559.1019	1657969.6134	893.28

BY14

POINT	DESC.	NORTH	EAST	ELEVATION
186	BY-186	875391.1335	1658751.9710	925.25
185	BY-185	875178.4022	1658955.6484	910.19
CP122		874896.7898	1659189.2029	UNKNOWN

BY15

POINT	DESC.	NORTH	EAST	ELEVATION
188	BY-188	876659.4913	1659996.1191	957.21
187	BY-187	876558.9846	1660334.9404	956.95
CP125		876468.7449	1660634.8545	UNKNOWN

BY17

POINT	DESC.	NORTH	EAST	ELEVATION
189	BY-189	879404.8832	1661743.8115	981.58
8	GPS R2577A-8	878923.9512	1661754.6505	976.02
CPB7		877821.4398	1661679.6677	UNKNOWN

BY16

POINT	DESC.	NORTH	EAST	ELEVATION
CP7		877821.4398	1661679.6677	UNKNOWN
190	BY-190	877320.8629	1661587.6653	967.89
191	BY-191	876683.0853	1661482.4503	965.71
192	BY-192	876228.0367	1661471.6860	953.84

BY16A

POINT	DESC.	NORTH	EAST	ELEVATION
CP191		876683.0853	1661482.4503	UNKNOWN
193	BY-193	876459.2506	1661815.1818	963.82

BY20

POINT	DESC.	NORTH	EAST	ELEVATION
194	BY-194	881259.8543	1663242.4076	969.65
195	BY-195	881010.3699	1663994.2655	978.85
CP132		880908.4418	1664410.1216	UNKNOWN
199	BY-199	880526.9527	1664988.7701	972.70

BY20B

POINT	DESC.	NORTH	EAST	ELEVATION
CPB195		881010.3699	1663994.2655	UNKNOWN
196	BY-196	880952.1652	1663660.3807	969.27

BY20C

POINT	DESC.	NORTH	EAST	ELEVATION
198	BY-198	881513.8489	1664084.5133	966.44
197	BY-197	881223.9373	1664102.4130	976.45
CPC195		881010.3699	1663994.2655	UNKNOWN

BY23

POINT	DESC.	NORTH	EAST	ELEVATION
CP134		883657.7727	1666861.0422	UNKNOWN
200	BY-200	883538.0635	1667055.6051	964.32
201	BY-201	883539.2829	1667534.6018	972.60

BY24

POINT	DESC.	NORTH	EAST	ELEVATION
204	BY-204	885634.8892	1667178.0623	933.81
203	BY-203	884882.3577	1667107.0325	950.92
202	BY-202	884189.8528	1667043.8839	950.80
CPB134		883657.7727	1666861.0422	UNKNOWN

BM1 ELEVATION - 890.02
N 860785 E 1648556
RAILROAD SPIKE SET IN 20" POPLAR TREE

BM2 ELEVATION - 884.50
N 862560 E 1649507
RAILROAD SPIKE SET IN 36" POPLAR TREE

BM3 ELEVATION - 888.50
N 864683 E 1650366
RAILROAD SPIKE SET IN 20" POPLAR TREE

BM4 ELEVATION - 941.28
N 865590 E 1652310
SCRIBED "X" IN TOP OF 12"RCP DRIVEWAYPIPE

BM5 ELEVATION - 916.16
N 867531 E 1653703
SCRIBED "X" IN TOP OF 18"RCP ROADWAYCROSS PIPE

BM6 ELEVATION - 878.38
N 869487 E 1654353
RAILROAD SPIKE SET IN 36" OAK TREE

BM7 ELEVATION - 929.99
N 870883 E 1656287
SCRIBED "X" IN TOP OF 15"RCP DRIVEWAYPIPE

BM8 ELEVATION - 837.30
N 872102 E 1657349
RAILROAD SPIKE SET IN 20" MAPLE TREE

BM9 ELEVATION - 909.53
N 873960 E 1658408
SCRIBED "X" IN SW WING WALL OF BRIDGE

BM10 ELEVATION - 923.01
N 875520 E 1660195
RAILROAD SPIKE SET IN 18" SWEETGUM TREE

BM11 ELEVATION - 966.51
N 877561 E 1661943
RAILROAD SPIKE SET IN 30" OAK TREE

BM12 ELEVATION - 935.26
N 879406 E 1662693
RAILROAD SPIKE SET IN 24" POPLAR TREE

BM13 ELEVATION - 973.41
N 880558 E 1664454
SCRIBED "X" IN TOP BACK OF CURB

BM14 ELEVATION - 979.57
N 882167 E 1665833
RAILROAD SPIKE SET IN 60" DOUBLE OAKTREE

BM15 ELEVATION - 932.74
N 883107 E 1666974
RAILROAD SPIKE SET IN 48" OAK TREE

BM16 ELEVATION - 926.44
N 885084 E 1668230
RAILROAD SPIKE SET IN 20" POPLAR TREE

BM17 ELEVATION - 936.63
N 867771 E 1651861
RAILROAD SPIKE SET IN 36" DOUBLESWEETGUM TREE

I, Michael L. Motsinger, PLS, certify that the Project Control was completed 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: 10/1/2017 - 11/20/2017
Datum/Epoch:NAD 83 / NA 2011
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U5824-4
Northing:882418.740
Easting:1660181.131
Combined grid factor:0.99995790
Geoid model:G12NC
Units:US Survey Feet

I also certify that the Baseline Control for this project was verified 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 10/1/2017 to 5/3/2018 , 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 10 day of January, 2022.

DocuSigned by:
Michael L. Motsinger
F0B8FE7DE2C4C8E...

Michael L. Motsinger
Professional Land Surveyor L-3877

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

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.

6/2/99

REVISIONS

10-JAN-2022 14:45
S:\Units\Div09\Winston\Ruths Computer\Rural\R2577A\Right of Way\BradCTLSheets\ToBeChecked\R2577A_LS_RW02C-10.dgn
mmotsinger AT LS-312635