

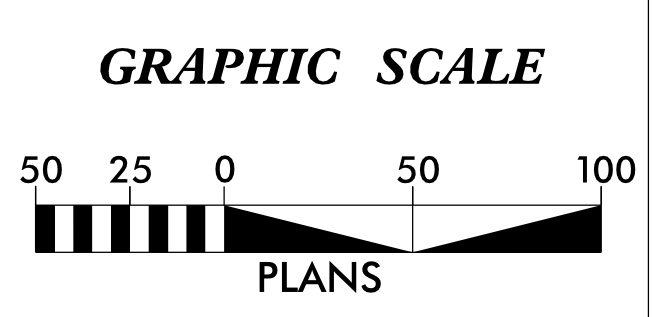
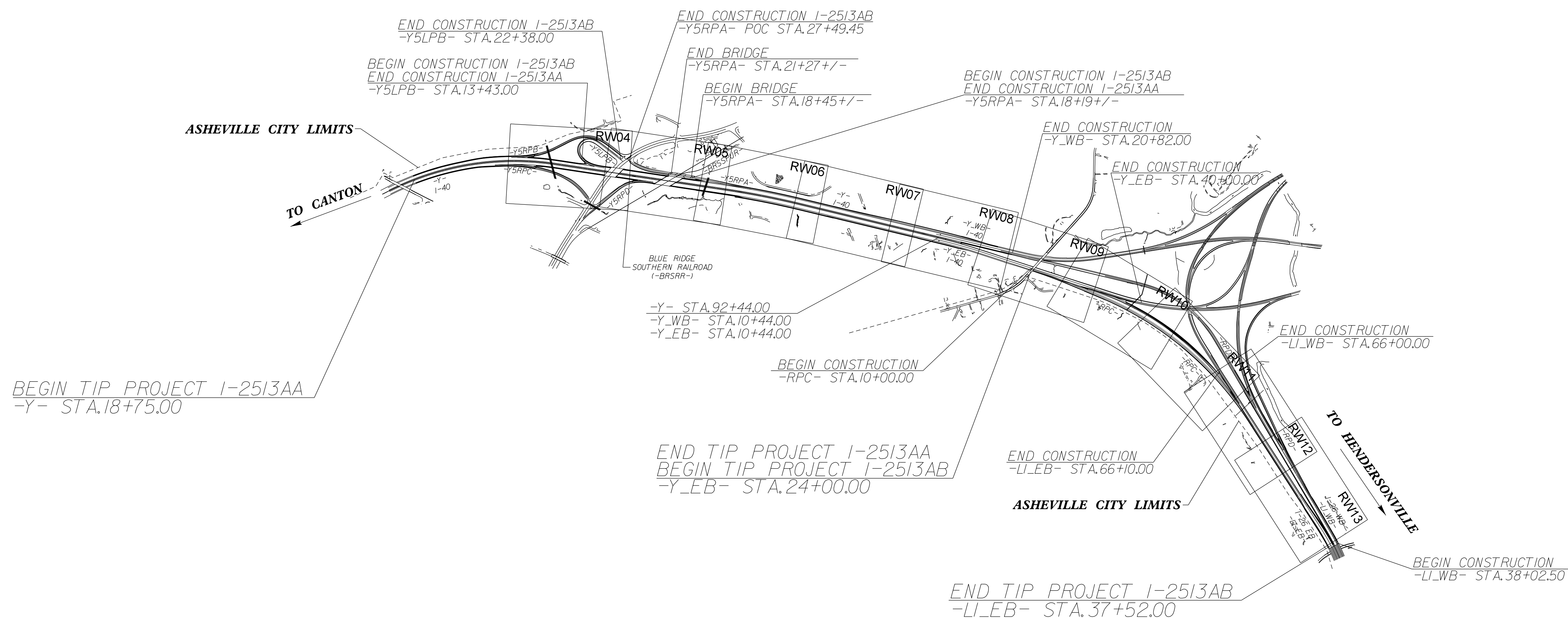
09/06/99

TIP PROJECT: I-2513AA/AB

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-2513AA / AB	RW01	36

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

BUNCOMBE COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF
 NORTHING: 684,834.0870(ft) EASTING: 934,095.9080(ft)
 ELEVATION: 2,156.81(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -Y- STATION 18+75 IS
 S 70-38'27.5" W 19,835.84(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



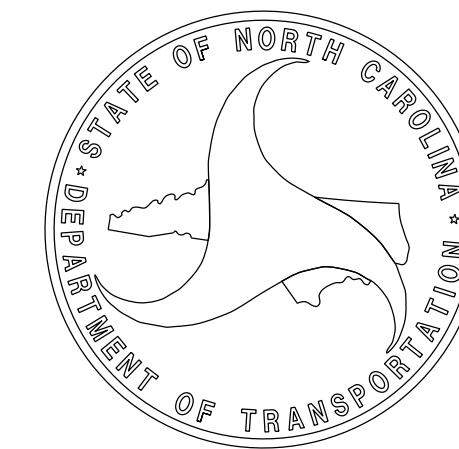
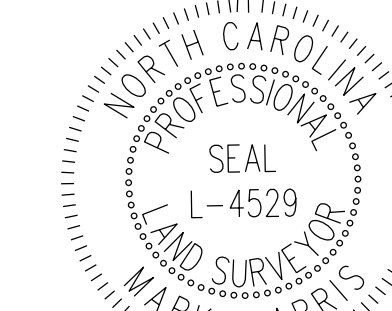
1318-F Patton Avenue
 Asheville, NC 28806
 Firm License # F-1088

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 NOVEMBER 18, 2022

LETTING DATE:
 NOVEMBER 21, 2023

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
 Mark Parris
 F1570CB85C7248A...

SIGNATURE:

Date:

\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
 \$\$\$ DDN \$\$\$
 \$\$\$ USERNAME \$\$\$

SURVEY CONTROL SHEET

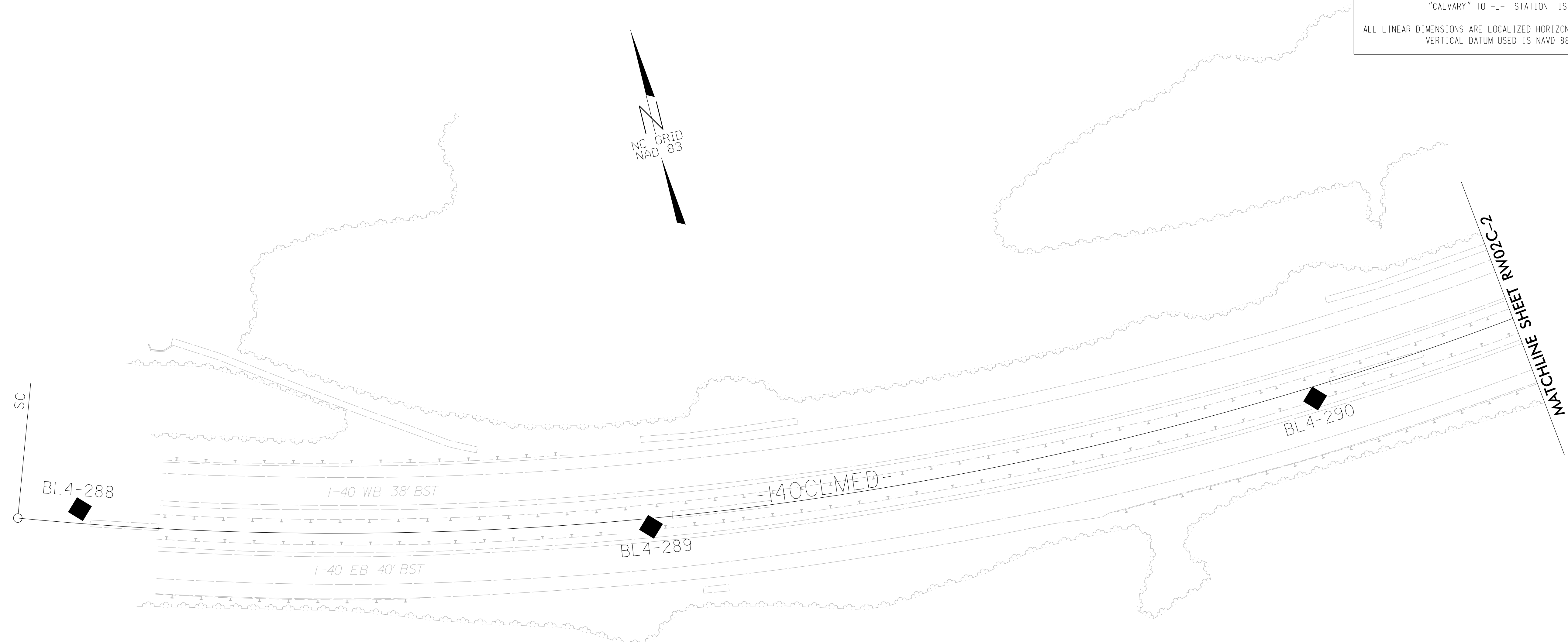
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-1
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 684834.0870(ft) EASTING: 934095.9080(ft) ELEVATION: 2156.81(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88



REVISIONS

I7-MAY-2023 12:51
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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
FOR FURTHER
ALIGNMENT DETAILS**

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.
I-2513AAAB	RW02C-2
Location and Surveys	

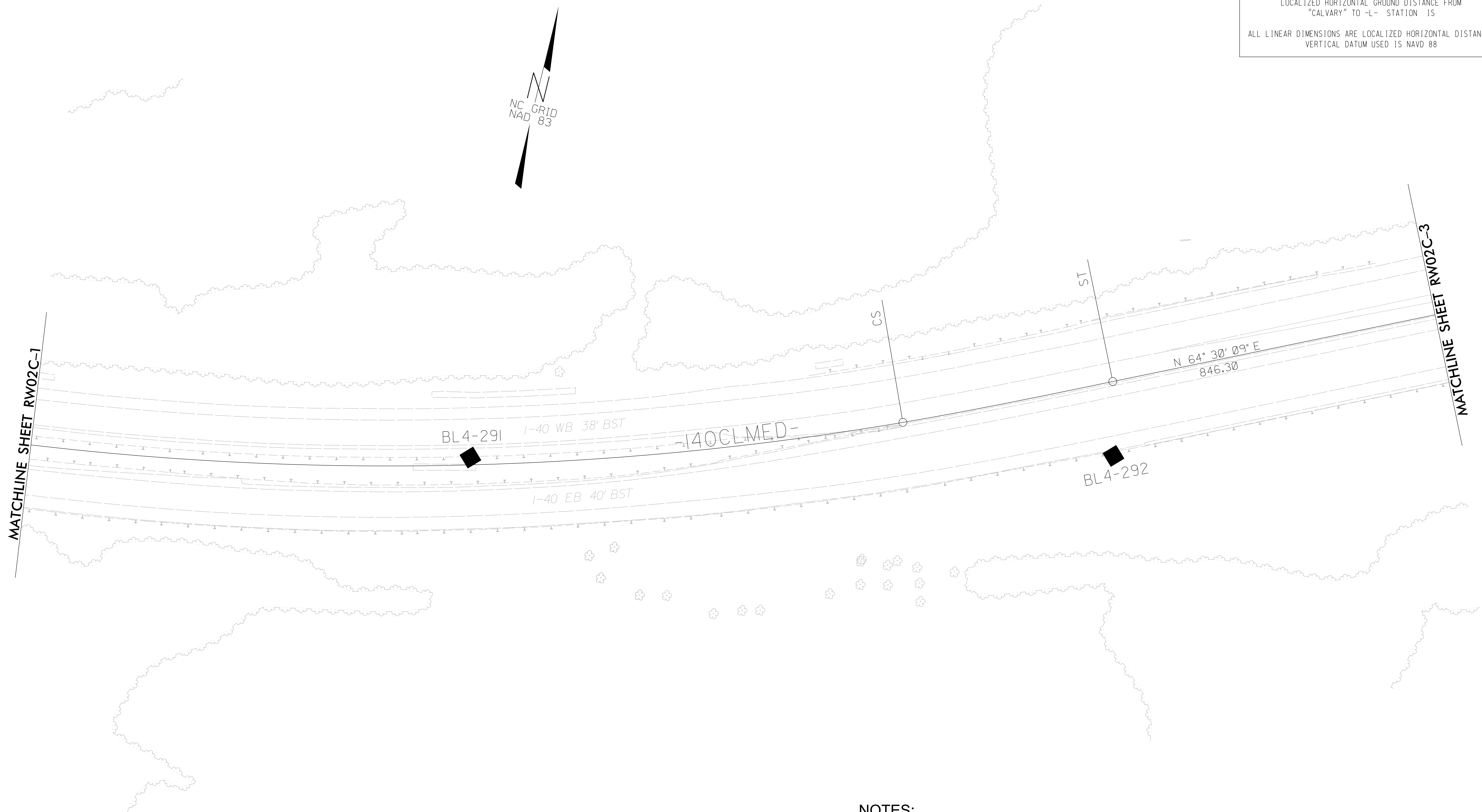
SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 684834.0870(ft) EASTING: 934095.9080(ft) ELEVATION: 2156.81(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88



REVISIONS

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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
FOR FURTHER
ALIGNMENT DETAILS**

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-3
Location and Surveys	

DATUM DESCRIPTION

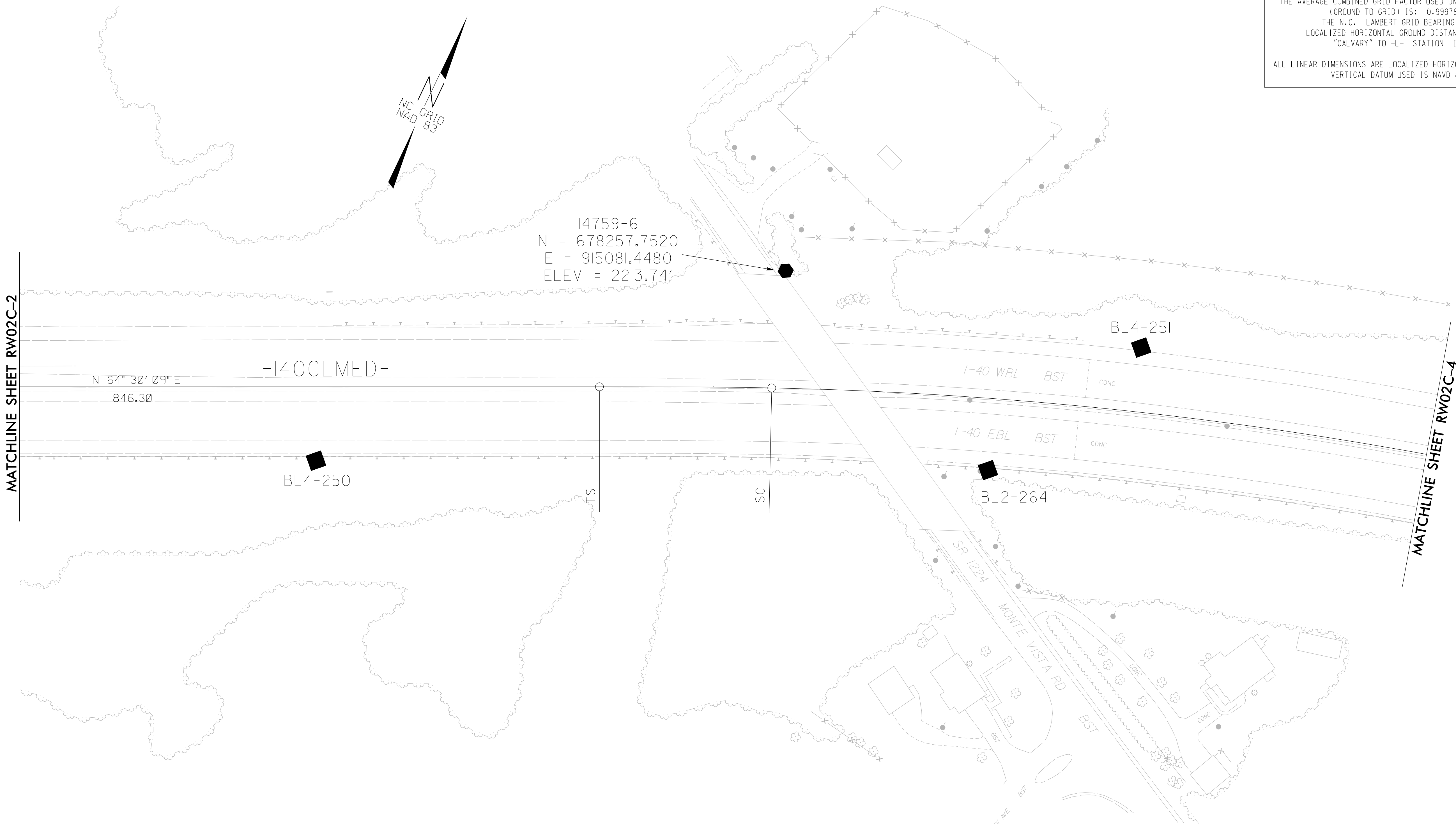
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF

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**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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REVISIONS

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 Jcgordon

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-4
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

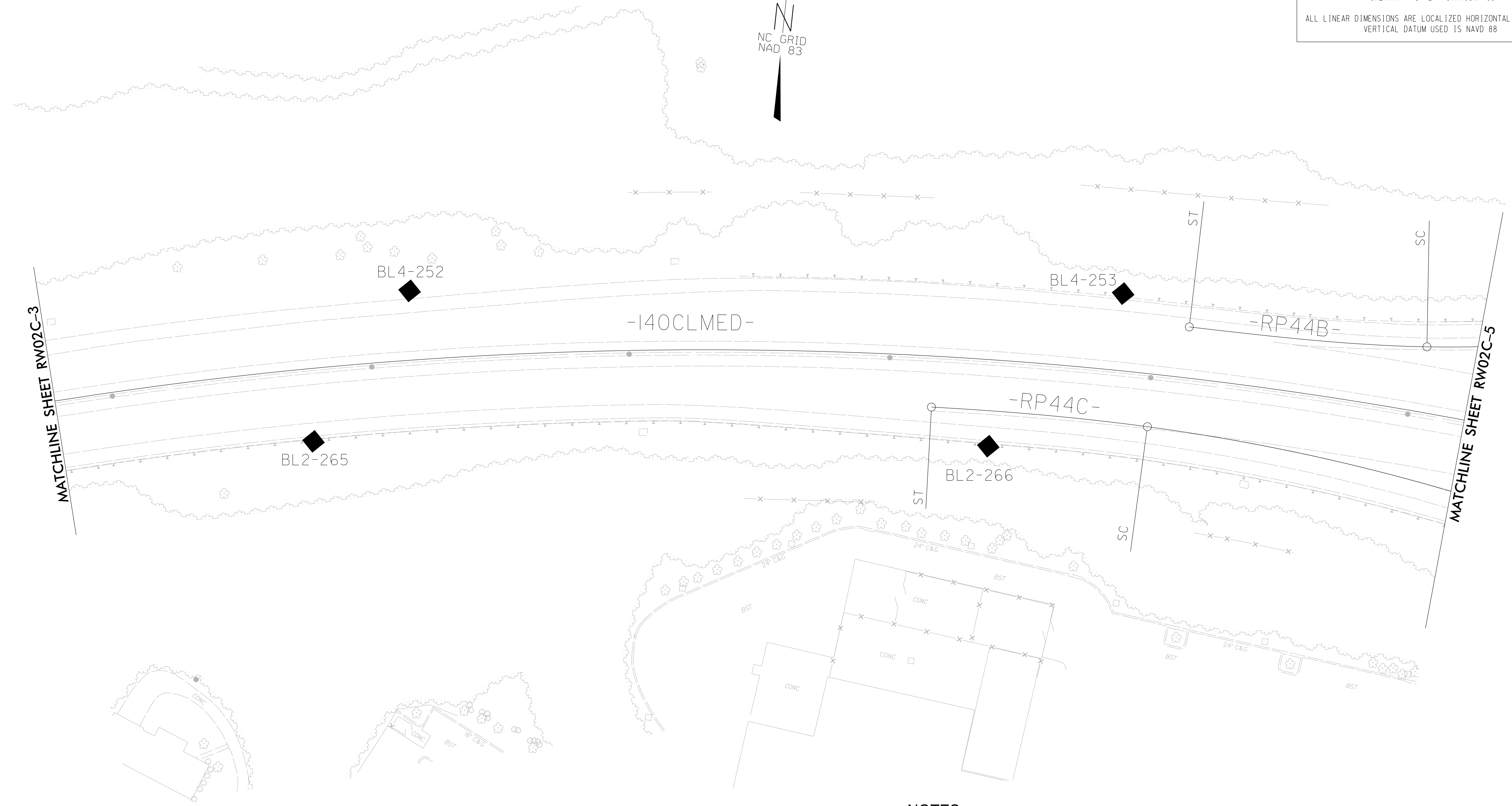
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"

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 VERTICAL DATUM USED IS NAVD 88



REVISIONS

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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-5
Location and Surveys	

DATUM DESCRIPTION

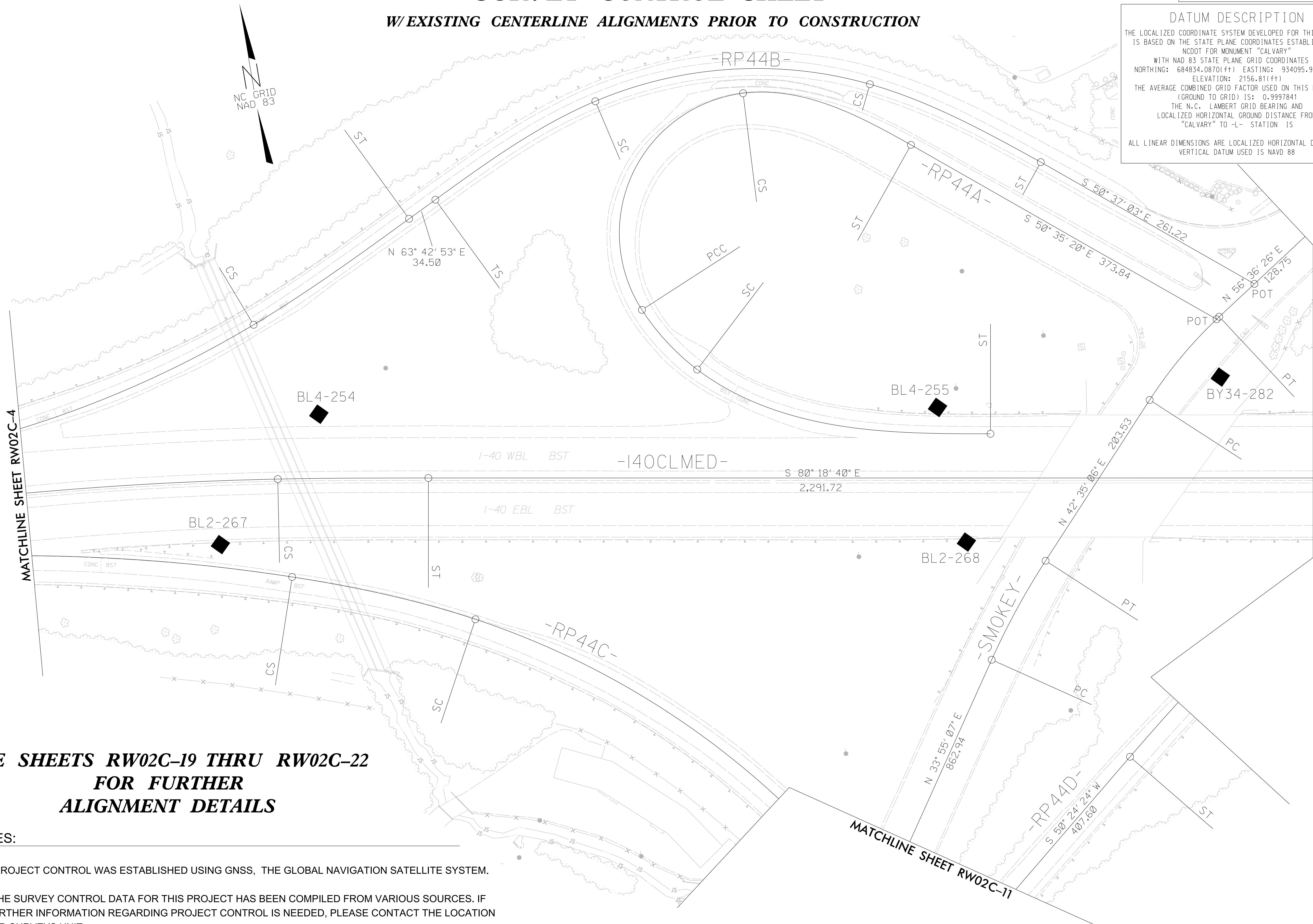
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"

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ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88



**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
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REVISIONS

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

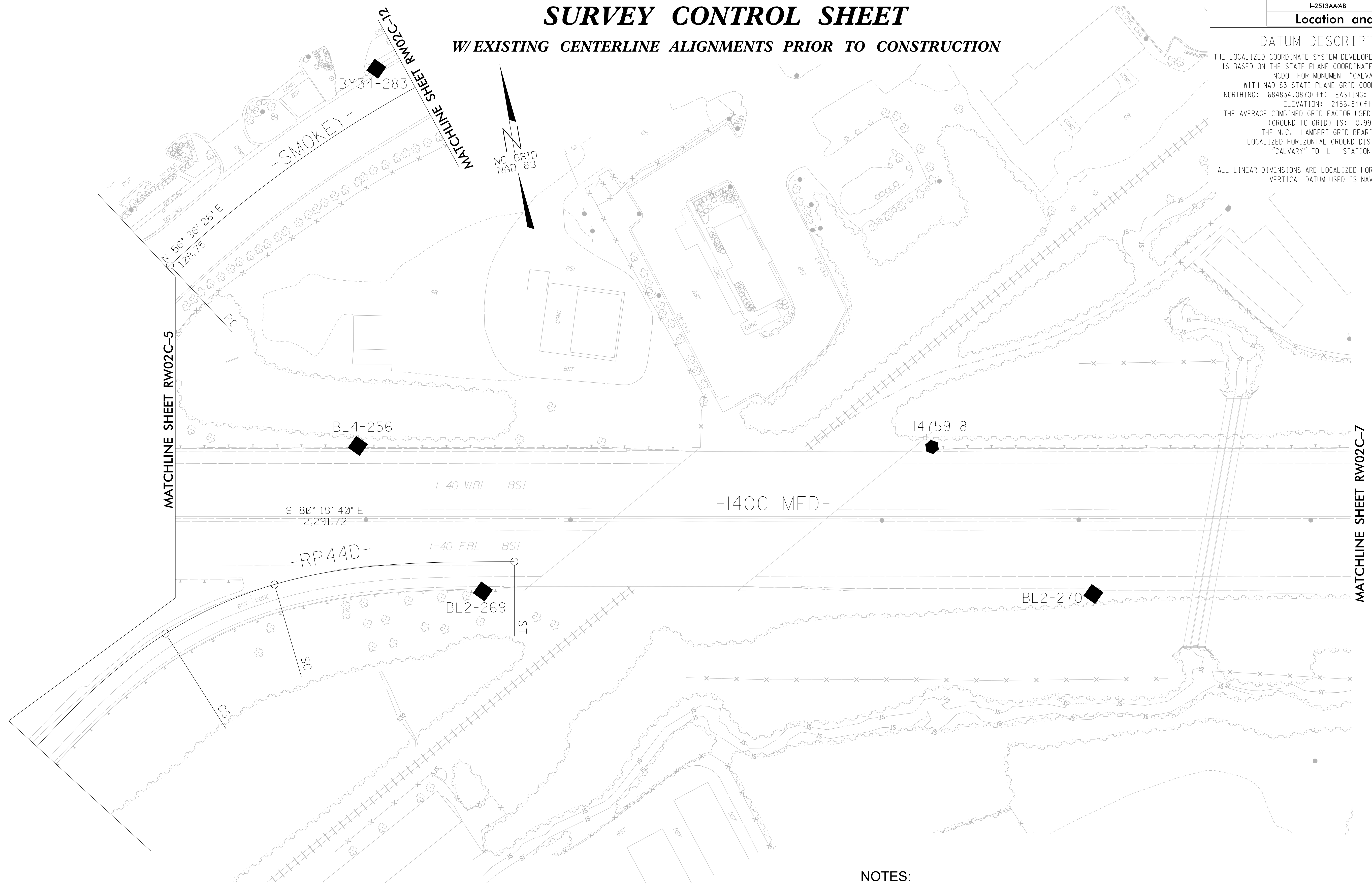
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 VERTICAL DATUM USED IS NAVD 88



REVISIONS

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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

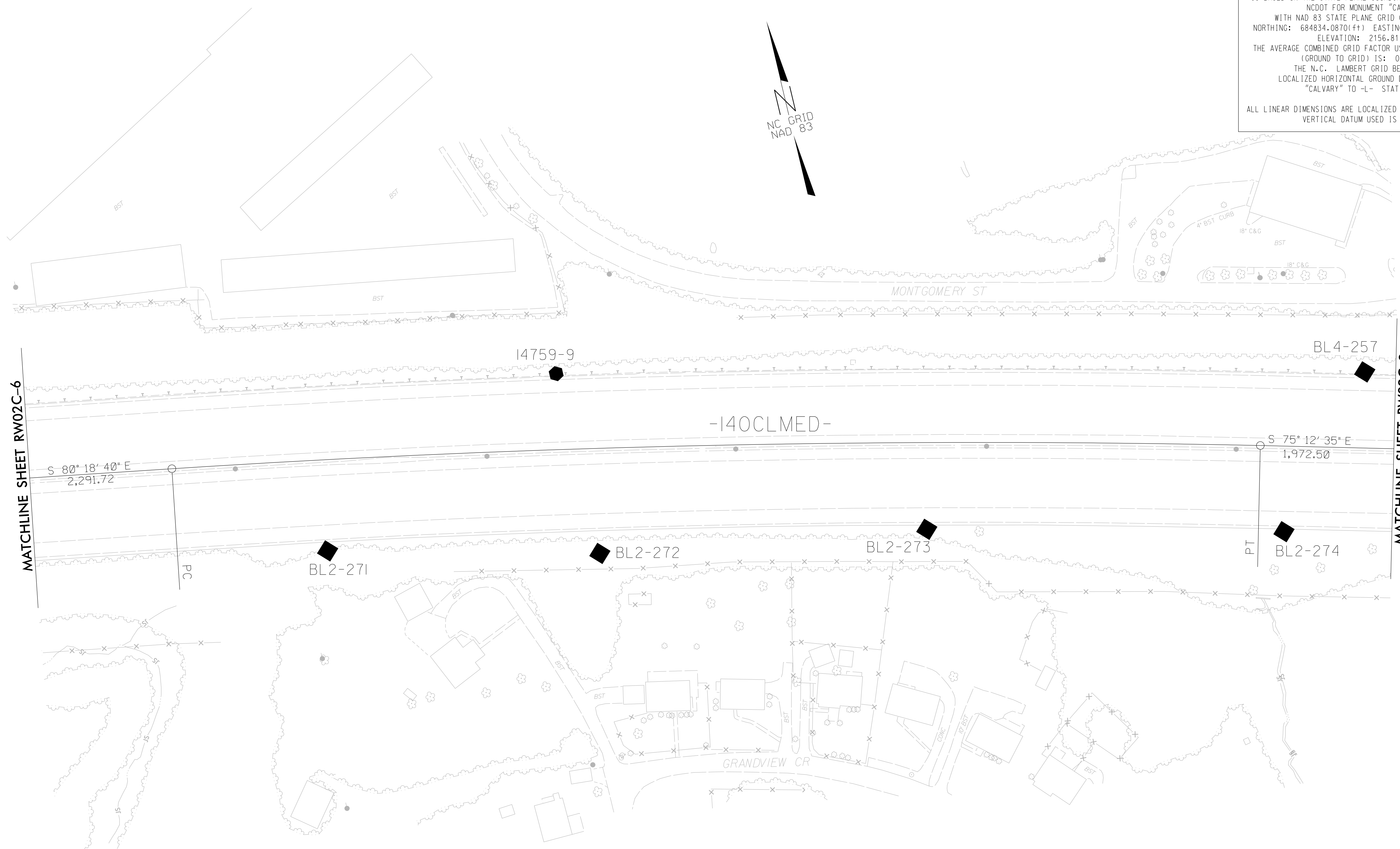
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF

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VERTICAL DATUM USED IS NAVD 88



**SEE SHEETS RW02C-19 THRU RW02C-22
FOR FURTHER
ALIGNMENT DETAILS**

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REVISIONS

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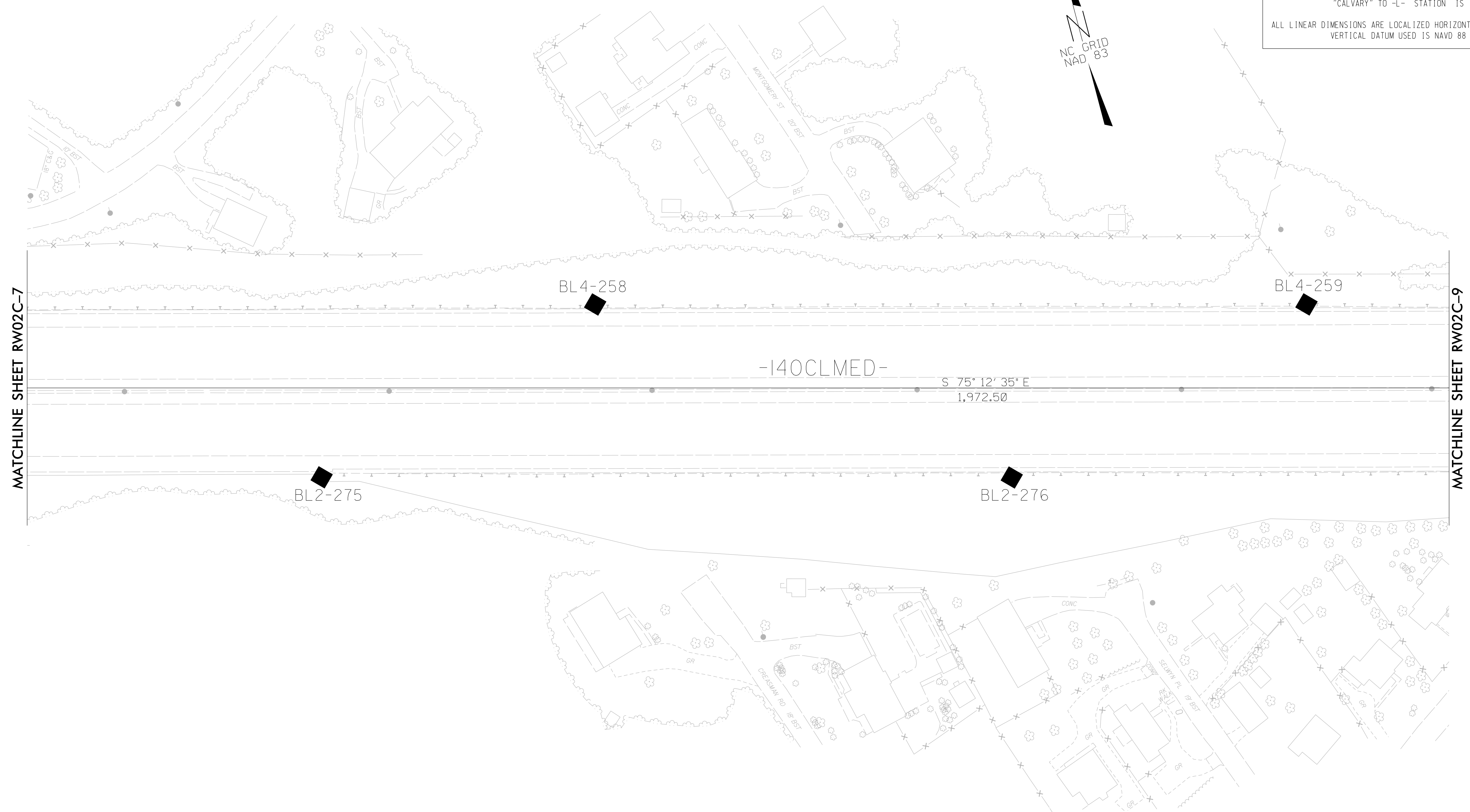
SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-8
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF
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 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88



REVISIONS

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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-9
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

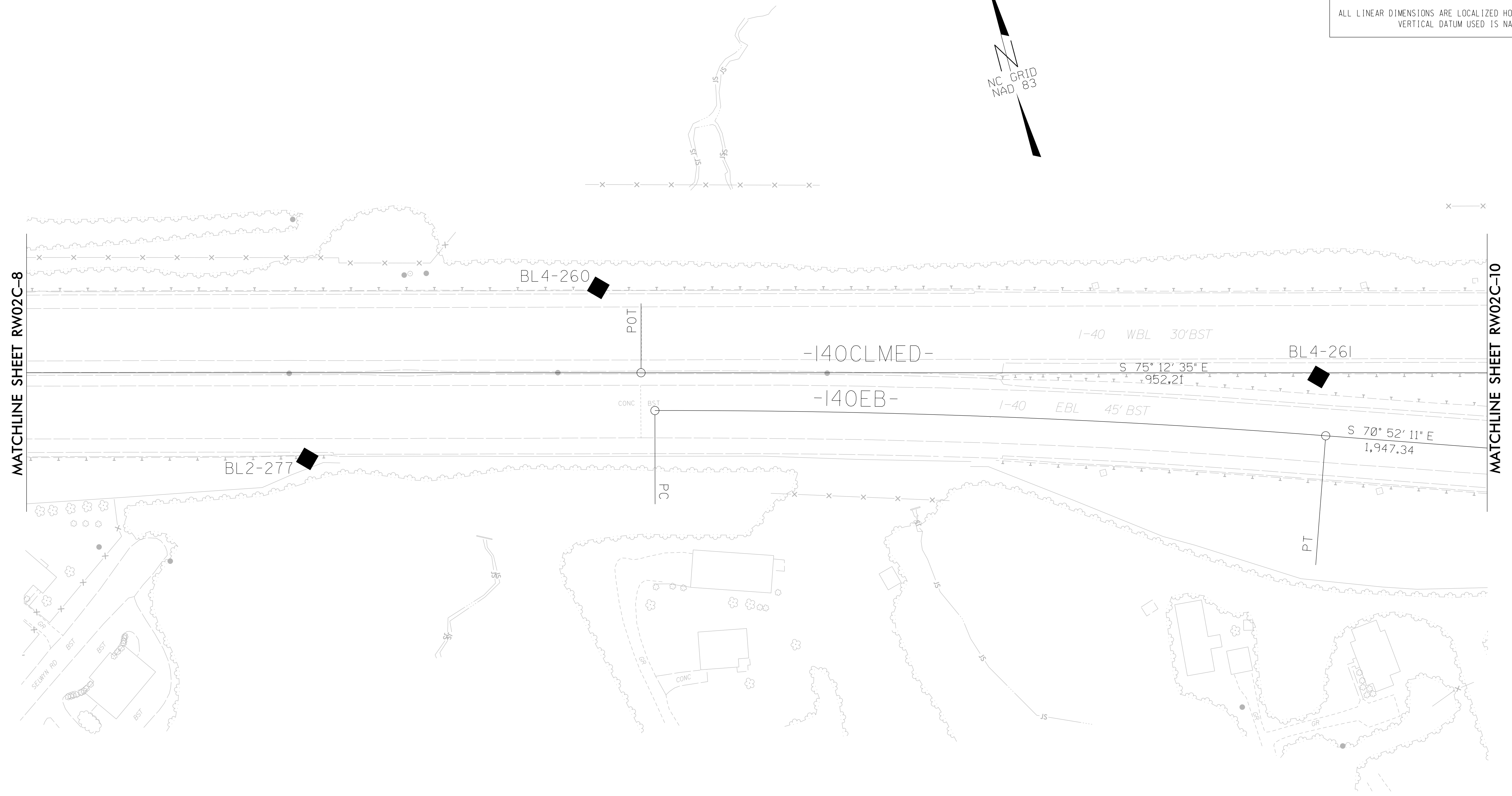
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"

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 VERTICAL DATUM USED IS NAVD 88



MATCHLINE SHEET RW02C-8

MATCHLINE SHEET RW02C-10

**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

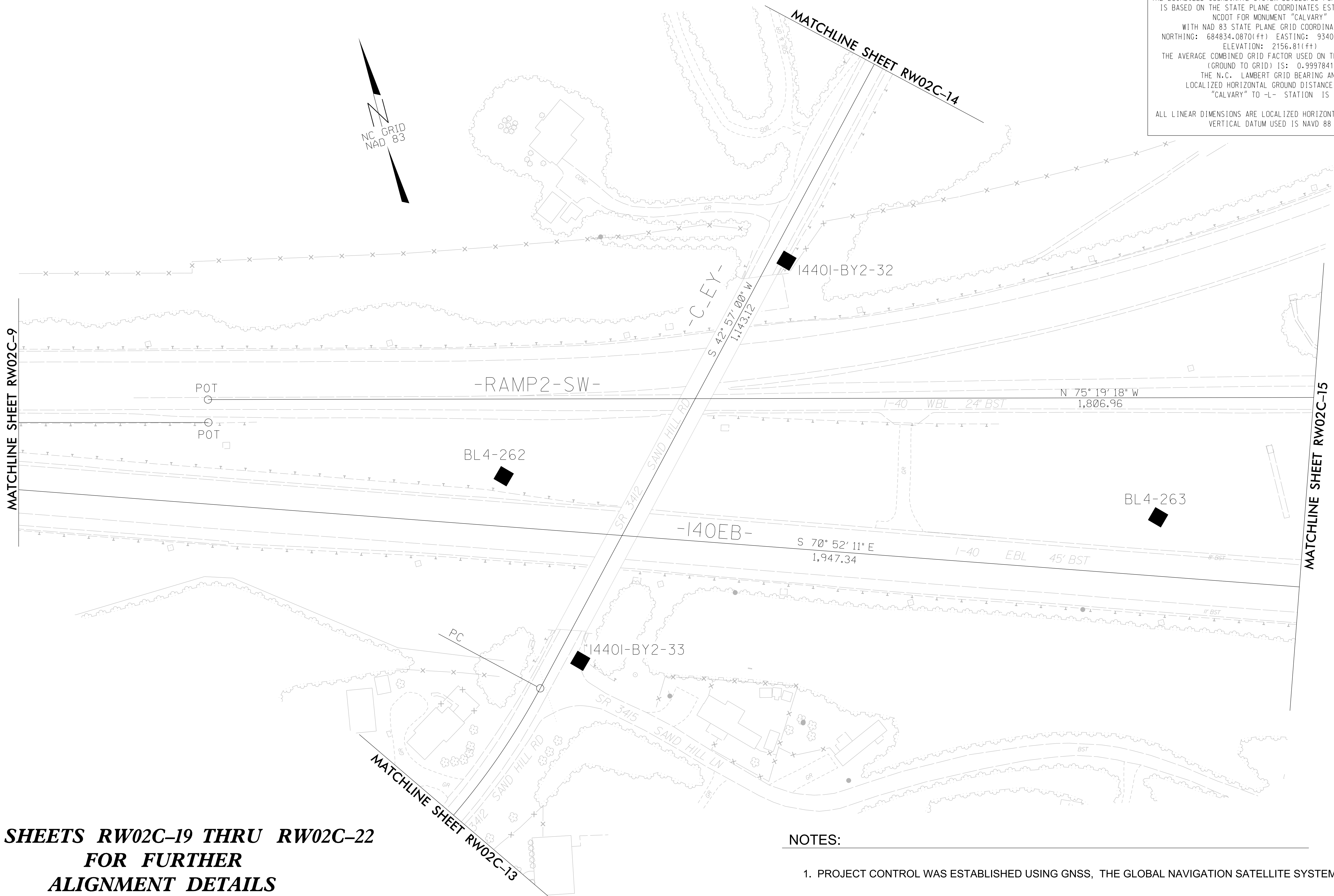
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 VERTICAL DATUM USED IS NAVD 88



REVISIONS

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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-11
Location and Surveys	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

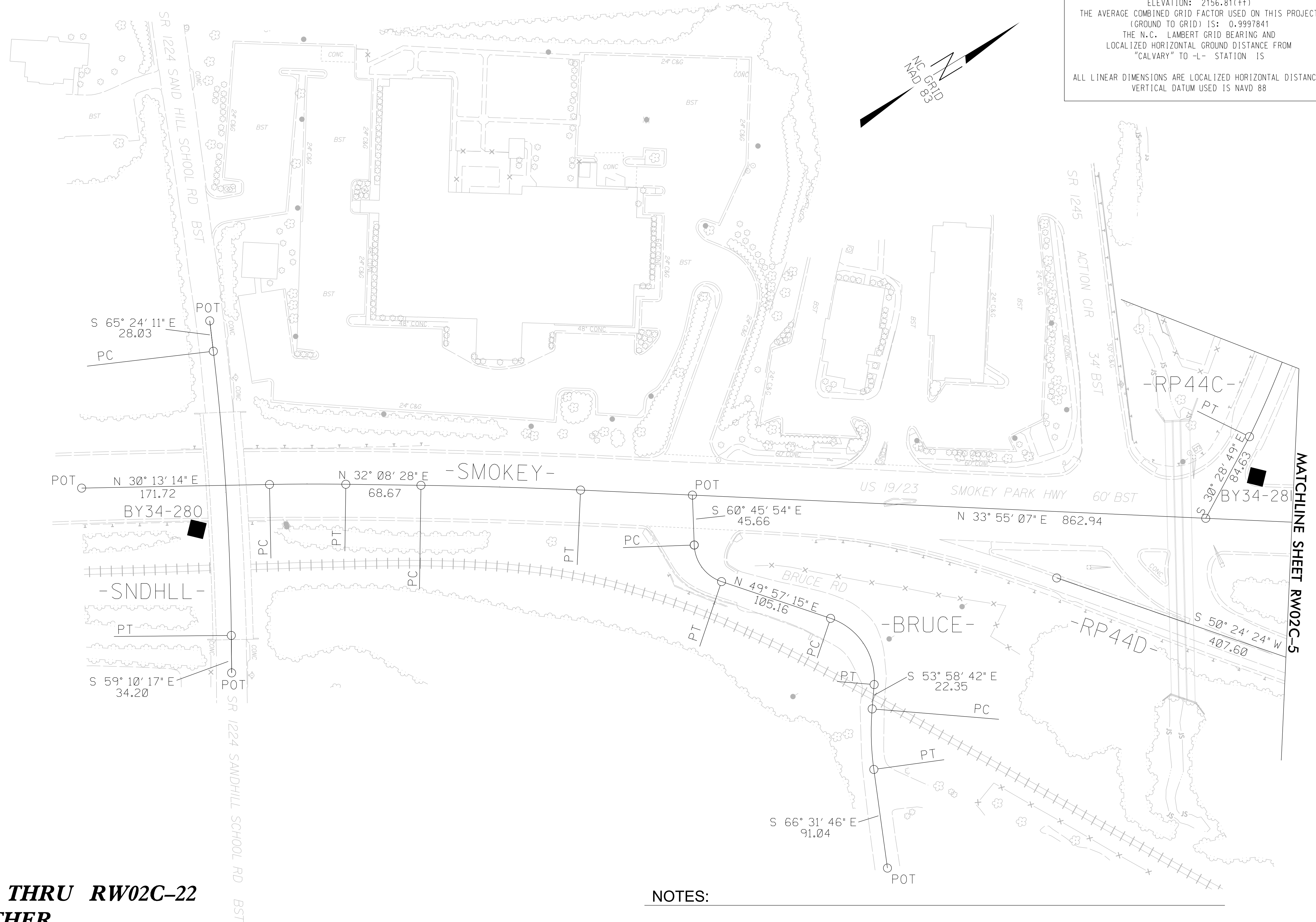
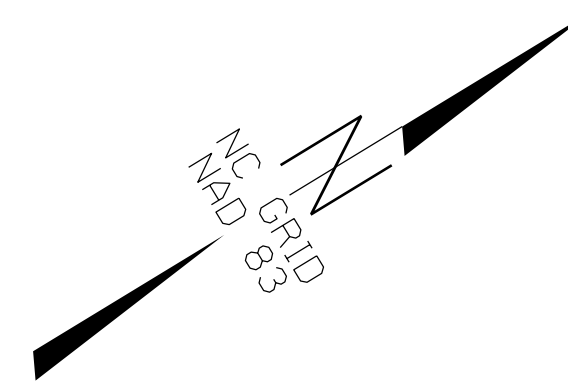
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REVISIONS

I7-MAY-2023 12:45
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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
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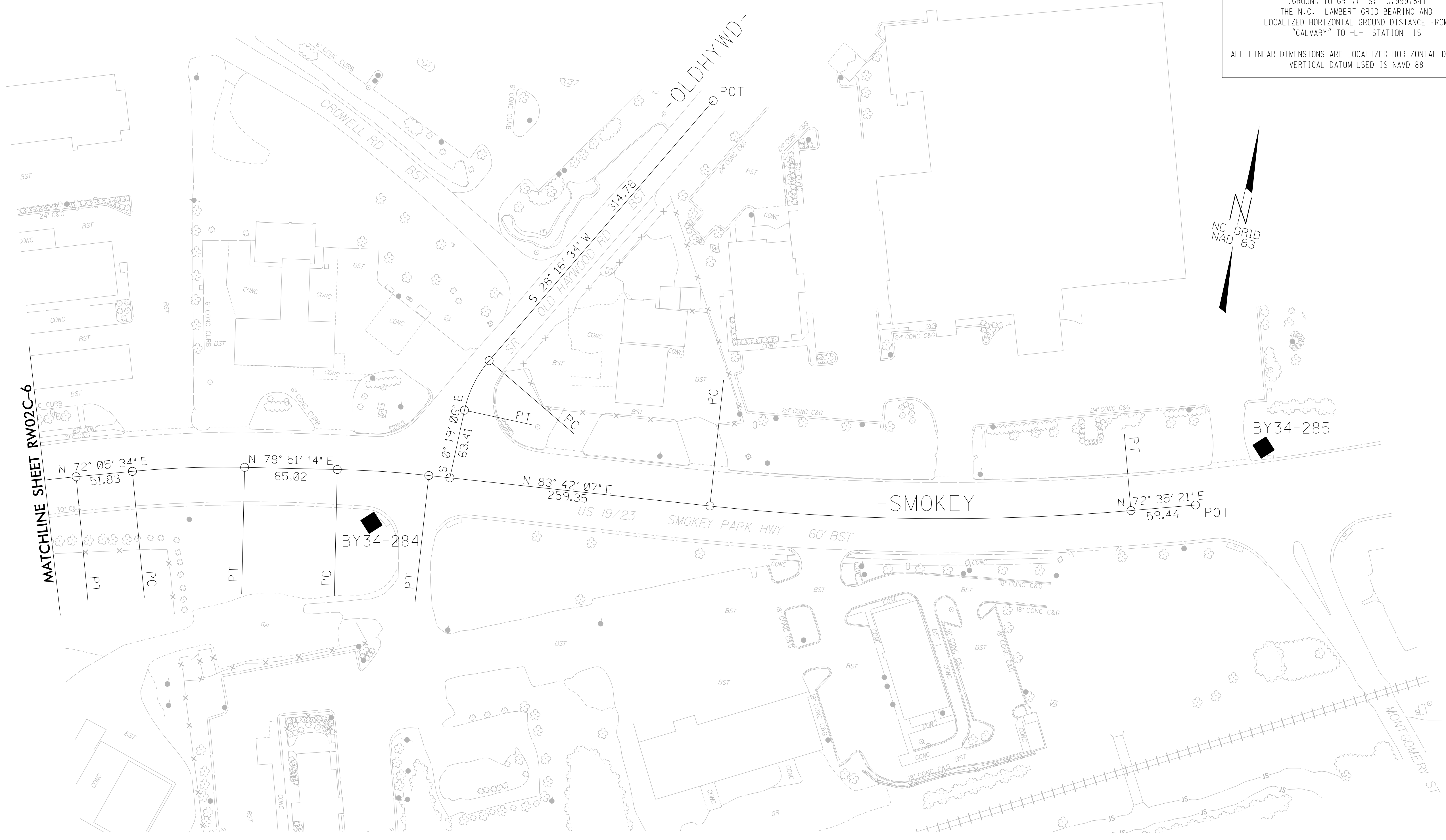
PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-12
Location and Surveys	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

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REVISIONS

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 Jcgordon

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-13
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"
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I7-MAY-2023 12:45
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 Jcgordon

**SEE SHEETS RW02C-19 THRU RW02C-22
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NOTES:

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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.

SURVEY CONTROL SHEET

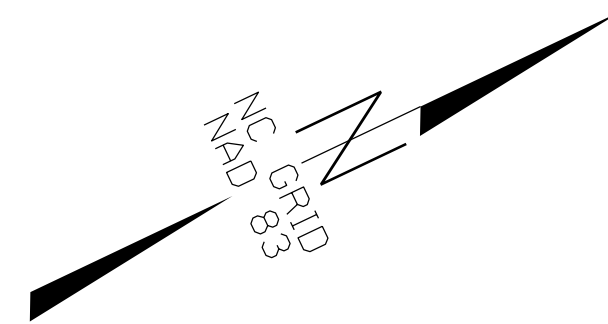
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-14
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"
 WITH NAD 83 STATE PLANE GRID COORDINATES OF
 NORTHING: 684834.0870(ft) EASTING: 934095.9080(ft)
 ELEVATION: 2156.81(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO "L- STATION" IS
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

REVISIONS



**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

NOTES:

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-15
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"
 WITH NAD 83 STATE PLANE GRID COORDINATES OF
 NORTHING: 684834.0870(±) EASTING: 934095.9080(±)
 ELEVATION: 2156.81(±)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -L- STATION IS
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88



**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

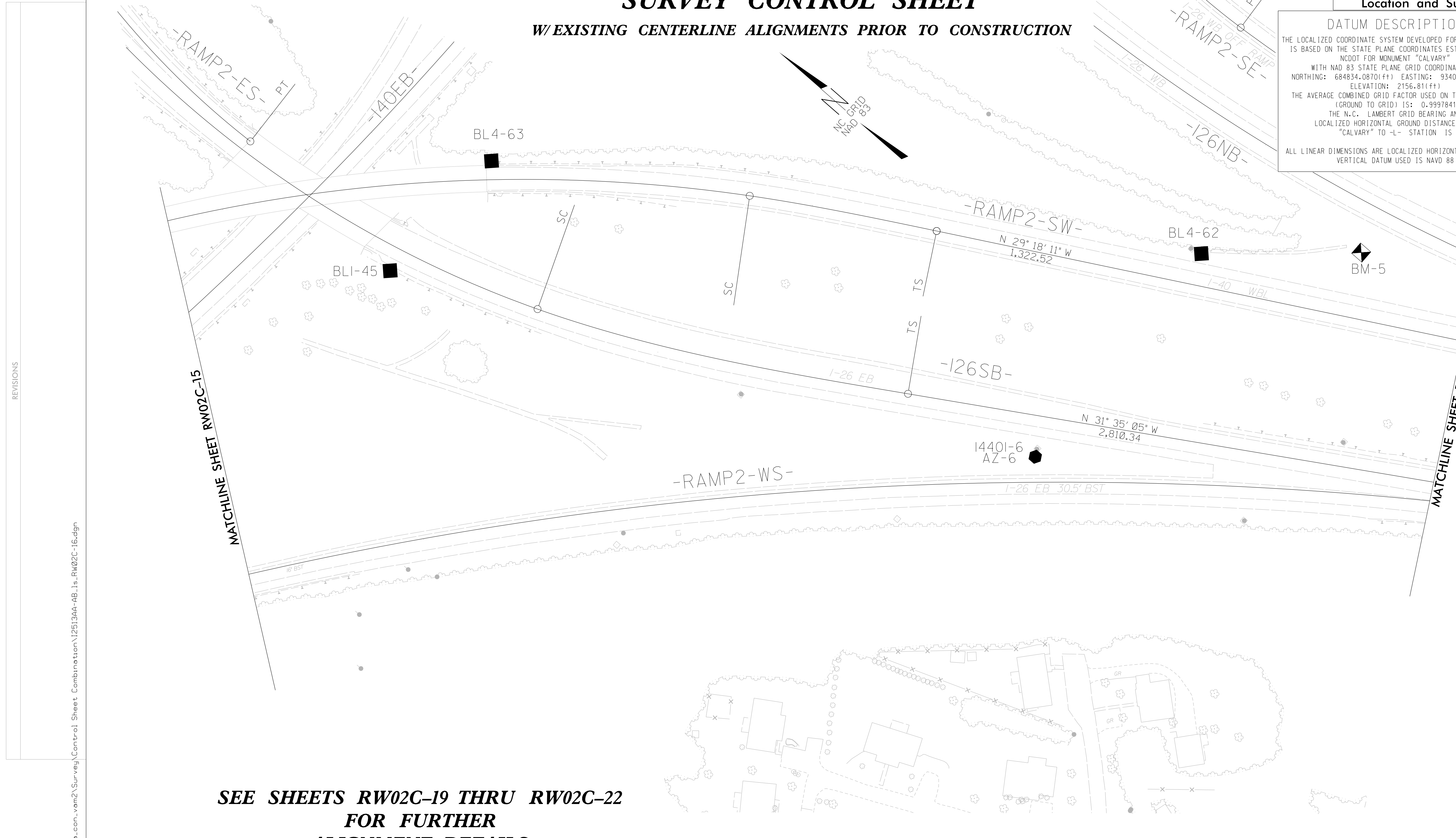
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"

WITH NAD 83 STATE PLANE GRID COORDINATES OF
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**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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REVISIONS

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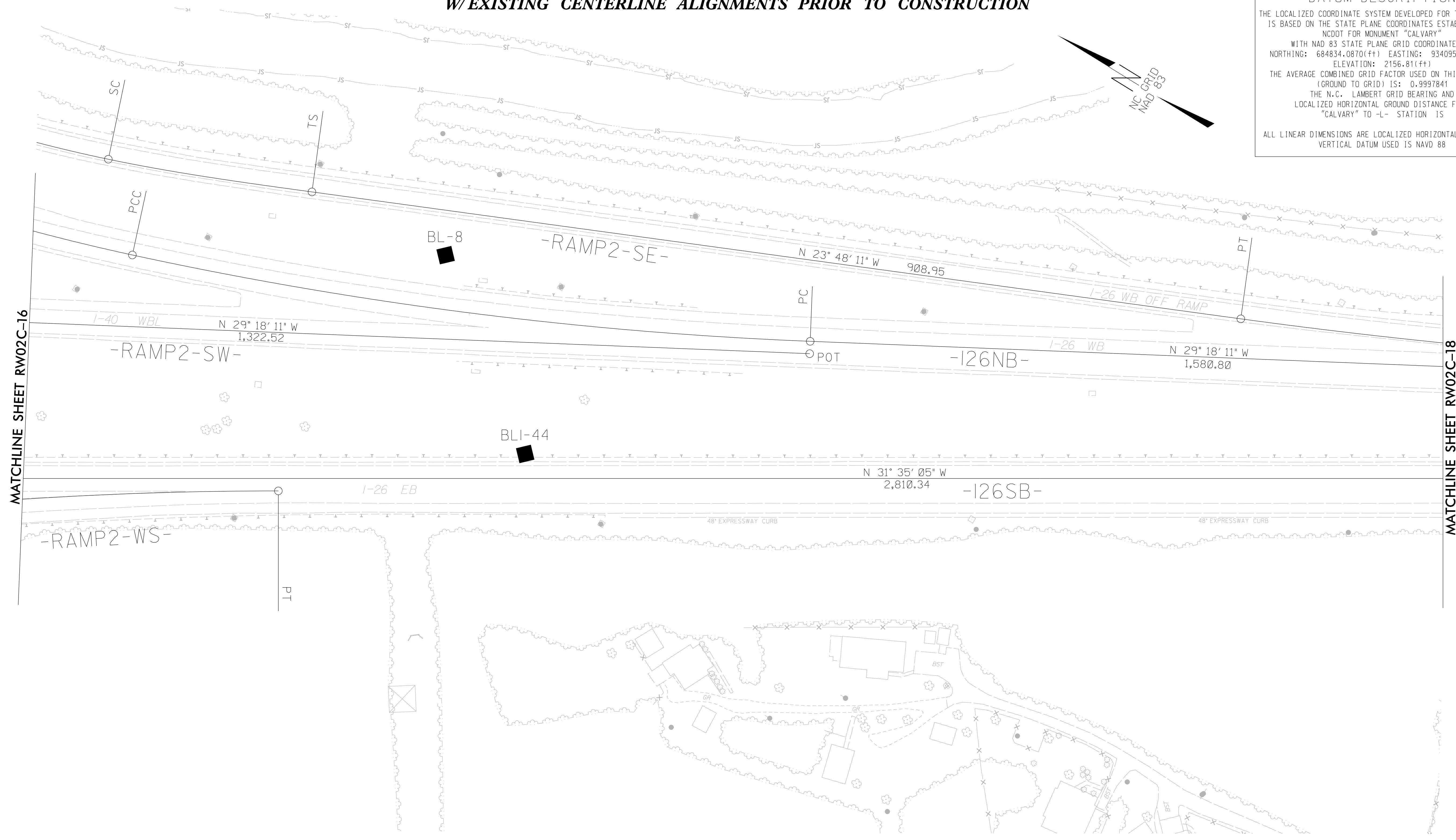
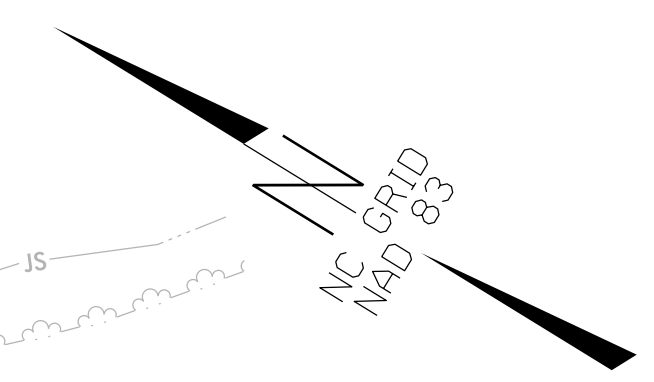
SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-17
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 684834.0870(ft) EASTING: 934095.9080(ft) ELEVATION: 2156.81(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO "L" STATION IS ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88



REVISIONS

MATCHLINE SHEET RW02C-16

MATCHLINE SHEET RW02C-18

**SEE SHEETS RW02C-19 THRU RW02C-22
FOR FURTHER
ALIGNMENT DETAILS**

NOTES:

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AAAB	RW02C-18
Location and Surveys	

DATUM DESCRIPTION

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 ELEVATION: 2156.81(ft)
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 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88



**SEE SHEETS RW02C-19 THRU RW02C-22
 FOR FURTHER
 ALIGNMENT DETAILS**

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REVISIONS

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS

BL2 (I2513-AA)	POINT	DESC.	NORTH	EAST	ELEVATION
250	BL4-250		677910.8070	914763.5760	2197.78
264	BL2-264		678171.5040	915330.5740	2190.85
265	BL2-265		678348.4360	915932.9600	2174.95
266	BL2-266		678410.1130	916552.2290	2156.33
267	BL2-267		678392.0750	917180.4460	2138.58
268	BL2-268		678261.3670	917962.0650	2133.25
269	BL2-269		678136.2980	918636.7330	2129.90
270	BL2-270		678027.4340	919258.3590	2113.93
271	BL2-271		677927.6350	919796.2890	2095.87
272	BL2-272		677864.7110	920049.8570	2098.58
273	BL2-273		677814.4780	920360.3830	2095.59
274	BL2-274		677732.8070	920693.2820	2106.05
275	BL2-275		677638.9420	921052.2100	2118.21
276	BL2-276		677478.7730	921658.1860	2125.36
277	BL2-277		677316.6840	922287.4290	2115.54
261	BL4-261		677155.6680	923185.8430	2086.79
262	BL4-262		676943.5960	923791.8710	2070.78
263	BL4-263		676735.3670	924418.5250	2061.52

BL4 (I2513-AA)	POINT	DESC.	NORTH	EAST	ELEVATION
288	BL4-288		677553.2730	912007.4960	2135.12
289	BL4-289		677423.2460	912479.5210	2145.90
290	BL4-290		677396.0300	913058.5490	2163.07
291	BL4-291		677509.4030	913641.3420	2181.03
292	BL4-292		677654.3270	914224.9960	2193.33
250	BL4-250		677910.8070	914763.5760	2197.78
251	BL4-251		678335.4620	915410.0460	2189.73
252	BL4-252		678495.8050	916006.3580	2173.40
253	BL4-253		678563.2080	916660.9560	2155.67
254	BL4-254		678511.0560	917306.8550	2135.72
255	BL4-255		678407.5450	917955.9260	2132.58
256	BL4-256		678306.3960	918534.7020	2131.59
147598	14759-8		678205.4620	919119.5980	2118.17
147599	14759-9		678042.2270	920049.1080	2096.11
257	BL4-257		677863.9120	920804.2010	2108.89
258	BL4-258		677727.3170	921332.4910	2122.69
259	BL4-259		677562.4510	921957.1450	2123.08
260	BL4-260		677398.5530	922579.8170	2106.78
Y261	BL4-261		677155.6680	923185.8430	2086.79
Y262	BL4-262		676943.5960	923791.8710	2070.78
Y263	BL4-263		676735.3670	924418.5250	2061.52

BY34	POINT	DESC.	NORTH	EAST	ELEVATION
280	BY34-280		677099.3010	917334.2010	2128.97
281	BY34-281		677951.5160	917797.0180	2101.53
282	BY34-282		678388.8140	918257.4290	2106.99
283	BY34-283		678687.6680	918619.1510	2111.87
284	BY34-284		678688.4710	918956.6930	2101.80
285	BY34-285		678932.5940	919740.6550	2094.82

I4401-BY2	POINT	DESC.	NORTH	EAST	ELEVATION
I440131	I4401-BY2-31		677636.0130	924639.6720	2069.94
I440132	I4401-BY2-32		677080.7400	924122.6530	2075.12
I440133	I4401-BY2-33		676744.1580	923818.9760	2101.11
I440134	I4401-BY2-34		676504.1260	923446.9710	2131.31

BL	POINT	DESC.	NORTH	EAST	ELEVATION
6	BL-6		672966.3194	928034.6247	2063.67
7	BL-7		673962.0854	927352.3417	2059.05
8	BL-8		674938.3957	926974.3715	2039.72

BL1	POINT	DESC.	NORTH	EAST	ELEVATION
B7	BL-7		673962.0854	927352.3417	2059.05
44	BL1-44		674771.7425	926850.5696	2073.55
BGPS6	I4401-6 AZ-6		675506.8590	926320.1400	2073.50
45	BL1-45		676146.2390	926021.3080	2063.90

BL2 (I2513-AB)	POINT	DESC.	NORTH	EAST	ELEVATION
B1440118	I-4401 BL2-18		676553.0870	924881.7640	2055.22
49	BL2-49		676270.8940	925676.1070	2043.98

BL3 (I2513-AB)	POINT	DESC.	NORTH	EAST	ELEVATION
I440114	I4401 BL-14		676965.8060	924798.9710	2038.42
B1440115	I4401 BL-15		677165.2704	925818.9737	2022.98
59	BL3-59		677222.6390	927080.8260	2024.21
60	BL3-60		676986.2830	928276.2540	2059.09
61	BL3-61		677023.9450	928989.8570	2078.20
B53	BL2-53		676983.0900	929473.5730	2081.05

BL4 (I-4401)	POINT	DESC.	NORTH	EAST	ELEVATION
B8	BL-8		674938.3957	926974.3715	2039.72
62	BL4-62		675515.7020	926595.6840	2054.10
63	BL4-63		676141.8700	926178.2700	2084.51
I440117	I4401 BL1-17		676470.2100	925668.4400	2081.14
I440116	I4401 BL1-16		676727.6570	925071.4570	2064.92

BY25	POINT	DESC.	NORTH	EAST	ELEVATION
190	BY25-190		672705.2250	927702.9640	2054.38
191	BY25-191		672916.5570	928022.3000	2042.28
B6	BL-6		672966.3194	928034.6247	2063.67
192	BY25-192		672916.5570	928022.3000	2042.28

DATUM DESCRIPTION

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THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AA	RW02C-20
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"
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I40CLMED													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	677979.321	910846.465											
LINE			S 69°06'58.3" E	984.84									
TS	677628.252	911766.604											
SPIRAL			S 69°33'36.2" E	199.99						02°00'24.7"(LT)	200.00	133.34	66.67
CURVE	677558.411	911954.002											
SC			N 87°48'20.4" E	2073.83	42°35'33.7"(LT)	02°00'24.7"	2122.36	1112.91	2855.00				
CS	677637.815	914026.306											
SPIRAL			N 65°10'17.1" E	199.99						02°00'24.7"(LT)	200.00	133.34	66.67
ST	677721.791	914207.810											
LINE			N 64°30'08.9" E	846.30									
TS	678086.100	914971.684											
SPIRAL			N 64°54'08.8" E	160.00						01°11'59.7"(RT)	160.00	106.67	53.34
SC	678153.964	915116.575											
CURVE			N 82°05'44.4" E	2156.23	32°47'11.6"(RT)	01°29'59.6"	2185.93	1123.80	3820.00				
CS	678450.488	917252.317											
SPIRAL			S 80°42'40.0" E	160.00						01°11'59.7"(RT)	160.00	106.67	53.34
ST	678424.662	917410.216											
LINE			S 80°18'40.1" E	2291.72									
PC	678038.972	919669.247											
CURVE			S 77°48'58.8" E	1044.69	04°59'22.6"(RT)	00°28'38.9"	1045.02	522.84	12000.00				
PT	677818.493	920690.409											
LINE			S 75°12'34.6" E	1972.50									
POT	677314.947	922597.551											
LINE			S 75°12'34.6" E	952.21									
POT	677071.865	923518.206											

I40EB										
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	
PC	677278.901	922600.921								
CURVE			S 73°03'24.0" E	603.84	04°31'48.0"(RT)	00°45'00.0"	604.00	302.16	7639.44	
PT	677102.926	923178.553								
LINE			S 70°52'10.5" E	1947.34						
PC	676464.744	925018.354								
CURVE			S 87°43'13.5" E	2214.53	33°42'06.0"(LT)	01°30'00.0"	2246.78	1156.94	3819.72	
PT	676376.660	927231.130								
LINE			N 75°25'43.5" E	2627.55						
POT	677037.709	929774.166								

SMOKEY										
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	
POT	677028.916	917247.362								
LINE			N 30°13'13.9" E	171.72						
PC	677177.299	917333.794								
CURVE			N 31°10'50.8" E	69.77	01°55'13.9"(RT)	02°45'09.4"	69.77	34.89	2081.52	
PT	677236.988	917369.916								
LINE			N 32°08'27.8" E	68.67						
PC	677295.138	917406.451								
CURVE			N 33°01'47.5" E	145.95	01°46'39.3"(RT)	01°13'04.4"	145.96	72.98	4704.51	
PT	677417.501	917486.005								
LINE			N 33°55'07.1" E	862.94						
PC	678133.595	917967.538								
CURVE			N 38°15'06.4" E	119.80	08°39'58.5"(RT)	07°13'37.4"	119.91	60.07	792.79	
PT	678227.673	918041.708								
LINE			N 42°35'05.6" E	203.53						
PC	678377.524	918179.430								
CURVE			N 49°35'45.7" E	115.23	14°01'20.2"(RT)	12°08'18.9"	115.52	58.05	472.01	
PT	678452.213	918267.177								
LINE			N 56°36'25.8" E	128.75						
PC	678523.075	918374.675								
CURVE			N 64°20'59.8" E	342.15	15°29'08.0"(RT)	04°30'43.9"	343.19	172.65	1269.80	
PT	678671.182	918683.107								
LINE			N 72°05'33.8" E	51.83						
PC	678687.118	918732.421								
CURVE			N 75°28'23.9" E	103.00	06°45'40.3"(RT)	06°33'38.1"	103.06	51.59	873.34	
PT	678712.953	918832.127								
LINE			N 78°51'14.1" E	85.02						
PC	678729.388	918915.546								
CURVE			N 81°16'40.3" E	84.11	04°50'52.4"(RT)	05°45'43.7"	84.13	42.09	994.35	
PT	678742.143	918998.682								
LINE			N 83°42'06.5" E	259.35						
PC	678770.595	919256.469								
CURVE			N 78°08'43.7" E	386.17	11°06'45.7"(LT)	02°52'23.3"	386.78	194.00	1994.18	
PT	678849.925	919634.405								
LINE			N 72°35'20.8" E	59.44						
POT	678867.711	919691.121								

SNDHLL										
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	
POT	677208.448	917177.609								
LINE			S 65°24'10.5" E	28.03						
PC	677196.782	917203.091								
CURVE			S 62°17'13.8" E	260.32	06°13'53.5"(RT)	02°23'33.5"	260.45	130.35	2394.68	
PT	677075.724	917433.548								
LINE			S 59°10'17.0" E	34.20						
POT	677058.199	917462.914								

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REVISIONS

6/2/19

PROJECT REFERENCE NO. I-2513AA	SHEET NO. RW02C-21
Location and Surveys	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

DATUM DESCRIPTION

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BRUCE POINT											
	N	E	BEARING	DIST	DELTA	D	L	T	R		
POT	677502.409	917543.101	S 60°45'53.8" E	45.66							
LINE	677480.110	917582.943	N 84°35'40.5" E	41.73	69°16'51.4"(LT)	156°05'38.9"	44.38	25.36	36.71		
PC	677484.041	917624.486	N 49°57'14.8" E	105.16							
LINE	677551.702	917704.991	N 87°59'16.6" E	72.45	76°04'03.7"(RT)	97°27'12.9"	78.06	45.99	58.79		
PC	677541.102	917795.470	S 53°58'41.5" E	22.35							
LINE	677513.640	917843.527	S 60°15'13.9" E	55.35	12°33'04.8"(LT)	22°37'51.5"	55.46	27.84	253.17		
PT	677477.382	917927.032	S 66°31'46.3" E	91.04							

OLDHYWD POINT											
	N	E	BEARING	DIST	DELTA	D	L	T	R		
POT	679134.208	919179.098	S 28°16'34.1" W	314.78							
LINE	678856.989	919029.980	S 13°58'44.3" W	50.80	28°35'39.8"(LT)	55°42'04.4"	51.34	26.21	102.86		
CURVE	678807.689	919017.707	S 00°19'05.6" E	63.41							
PT	678744.282	919018.059									

RP44A POINT														
	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST	
TS	0.000	0.000												
SPIRAL	678490.280	917711.102	N 67°56'30.9" W	318.94						37°14'32.1"(RT)	325.00	221.66	112.89	
SC	678490.280	917711.102	S 83°29'29.9" E	0.00										
LINE	678490.280	917711.102	N 33°07'14.2" W	86.38	19°53'47.5"(RT)	22°55'05.9"	86.82	43.85	250.00					
CURVE	678562.625	917663.904	N 05°53'21.5" E	0.00										
CS	678562.625	917663.904	N 34°41'25.6" E	254.03	115°43'32.1"(RT)	38°11'49.9"	302.97	238.78	150.00					
LINE	678771.501	917808.485	N 22°21'36.5" E	0.00										
SPIRAL	678771.501	917808.485	S 63°12'49.4" E	186.63						36°17'14.4"(RT)	190.00	129.43	65.86	
SC	678687.392	917975.092	S 50°35'20.4" E	373.84										
LINE	678450.049	918263.925												

RP44B POINT														
	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST	
TS	0.000	0.000												
SPIRAL	678544.220	916944.834	N 88°40'58.2" E	219.91						05°34'38.9"(LT)	220.00	146.74	73.40	
SC	678544.220	916944.834	N 76°52'29.3" E	318.03	16°10'45.0"(LT)	05°04'13.5"	319.09	160.61	1130.00					
LINE	678616.439	917254.556	N 65°24'17.4" E	199.93						05°04'13.5"(LT)	200.00	133.39	66.72	
CS	678616.439	917254.556	N 63°42'53.3" E	34.50										
LINE	678714.928	917467.280	N 68°03'12.6" E	199.54						13°01'18.4"(RT)	200.00	133.70	67.00	
SPIRAL	678789.505	917652.361	S 83°52'01.7" E	292.25	38°47'33.3"(RT)	13°01'18.4"	297.91	154.92	440.00					
SC	678789.505	917652.361	S 55°47'16.0" E	199.54						13°01'18.4"(RT)	200.00	133.70	67.00	
LINE	678646.089	918107.949	S 50°37'03.1" E	261.22										
POT	678480.345	918309.854												

RP44C POINT														
	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST	
TS	0.000	0.000												
SPIRAL	678443.607	916696.307	N 89°05'41.6" E	199.95						04°31'06.1"(RT)	200.00	110.98	89.12	
SC	678443.607	916696.307	S 79°56'08.2" E	562.22	16°55'36.7"(RT)	02°59'59.2"	564.27	284.21	1910.00					
LINE	678345.356	917249.876	S 67°18'08.3" E	199.77						09°30'38.4"(RT)	200.00	112.54	87.91	
CS	678345.356	917249.876	S 47°15'28.4" E	446.72	29°24'26.1"(RT)	06°30'39.2"	451.66	230.92	880.00					
LINE	677965.082	917762.253	S 30°28'48.7" E	84.63										
POT	677892.149	917805.179												

RP44D POINT														
	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST	
TS	0.000	0.000												
SPIRAL	678179.741	918425.620	N 85°43'59.4" W	249.10						16°16'38.0"(LT)	250.00	167.38	83.98	
SC	678179.741	918425.620	S 75°20'46.9" W	123.47	16°07'50.1"(LT)	13°01'18.4"	123.87	62.35	440.00					
LINE	678148.507	918306.171	S 56°12'31.0" W	254.05						16°36'09.9"(LT)	255.00	170.75	85.69	
CS	678148.507	918306.171	S 50°24'23.9" W	407.60										
POT	677747.437	917780.950												


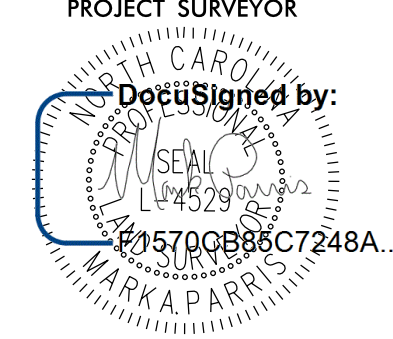
NOTES:

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

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Jegordon

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. I-2513AAAB	SHEET NO. RW02D-1
Location and Surveys	
 1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088	
PROJECT SURVEYOR  DocuSigned by: Mark A Partridge	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

Y			
TYPE	STATION	NORTH	EAST
POT	10+00.00	677898.6031	914584.5795
TS	14+26.96	678082.3961	914969.9522
SC	15+86.96	678150.2605	915114.8433
CS	37+72.89	678446.7840	917250.5866
ST	39+32.89	678420.9585	917408.4854
PC	62+25.03	678035.1965	919667.9312
PT	72+68.06	677815.2217	920687.1698
POT	93+44.02	677289.5177	922695.4631

Y_WB			
TYPE	STATION	NORTH	EAST
POT	10+00.00	677359.8483	922564.9979
TS	20+40.85	677096.2704	923571.9176
SC	25+40.85	676986.5728	924059.4885
CS	31+13.28	676967.9598	924630.2620
ST	33+53.27	676996.6841	924868.5000
PC	46+80.48	677177.4923	926183.3417
PT	57+86.36	677168.5629	927285.3243
POT	67+32.42	677024.5089	928220.3540

Y5RPA			
TYPE	STATION	NORTH	EAST
PC	10+00.00	678028.5102	920026.6542
PRC	14+50.85	678129.1050	919587.2248
PT	21+53.16	678275.6397	918900.5763
PC	23+66.07	678311.4382	918690.6952
PT	27+51.74	678467.9486	918342.7248
POT	27+81.62	678486.6534	918319.4234

RPC			
TYPE	STATION	NORTH	EAST
TS	10+00.00	676859.0143	923845.8792
SC	11+50.00	676808.9743	923987.2853
CS	14+80.97	676687.4444	924295.0924
ST	16+30.96	676627.3892	924432.5335
TS	19+72.89	676489.1764	924745.2863
SC	21+22.89	676427.7924	924882.1493
CS	47+18.46	674743.6139	926810.8220
ST	48+68.45	674616.2776	926890.0807

Y5RPB			
TYPE	STATION	NORTH	EAST
TS	10+00.00	678535.4625	916723.1645
SC	12+20.00	678540.5225	916943.0136
CS	15+39.06	678612.7383	917252.7096
ST	17+39.06	678695.9502	917434.5005
TS	17+75.26	678711.9792	917466.9539
SC	19+75.26	678786.5560	917652.0350
CS	22+75.34	678754.3913	917944.5716
ST	24+75.34	678641.3826	918109.0275
POT	27+32.60	678480.0621	918309.4244

L1_EB			
TYPE	STATION	NORTH	EAST
POT	10+00.00	670248.2065	927961.7954
TS	22+30.96	671468.8618	928120.7702
SC	26+10.96	671846.7894	928159.2379
CS	37+31.77	672933.3025	927935.4617
ST	41+81.77	673324.0911	927712.7392
TS	69+13.48	675651.1363	926281.9839
SC	73+13.48	676003.0082	926092.8981
PCC	83+66.30	677015.7260	926176.7984
PCC	89+98.89	677506.0280	926573.3273
PT	105+89.69	678324.1081	927924.2620
POT	106+63.19	678348.3598	927993.6433

Y5RPC			
TYPE	STATION	NORTH	EAST
CS	10+00.00	678436.7742	916495.2344
SC	12+00.00	678439.9018	916695.1577
CS	17+67.83	678340.4308	917252.0855
SC	19+67.83	678262.9746	917436.2266
PT	24+18.26	677960.1668	917763.0293
POT	24+97.82	677893.0757	917805.8026

L1_WB			
TYPE	STATION	NORTH	EAST
POT	10+00.00	670237.4228	928044.5962
TS	22+32.83	671459.9245	928203.8114
SC	26+12.83	671837.8250	928242.6168
CS	37+17.52	672912.6980	928036.9042
ST	40+97.52	673249.5650	927861.3043
PC	41+53.76	673298.7044	927833.9658
PT	42+67.43	673397.8267	927778.3268
PC	48+64.44	673917.3170	927484.1338
PT	49+22.10	673967.5489	927455.8144
TS	56+73.69	674622.9697	927087.9631
SC	57+73.69	674710.3766	927039.3842
CS	61+75.64	675072.3807	926865.0998
SC	63+25.64	675212.0402	926810.4276
PCC	69+46.79	675820.3572	926698.4951
PT	78+85.47	676745.5516	926829.9435
PC	84+16.37	677251.9616	926989.3522
PCC	87+53.10	677566.4738	927109.0772
PCC	96+51.51	678194.8969	927724.9430
PT	99+56.37	678310.6001	928006.8419

Y_EB			
TYPE	STATION	NORTH	EAST
POT	10+00.00	677292.1300	922547.2715
TS	10+43.96	677280.9972	922589.8008
SC	11+93.96	677242.4791	922734.7701
CS	15+87.52	677127.7002	923111.1594
ST	17+37.51	677078.7738	923252.9444
TS	35+06.04	676495.7384	924922.6078
SC	36+66.04	676444.0395	925074.0219
CS	57+78.59	676358.9082	927158.4350
ST	59+38.58	676398.0850	927313.5511
POT	84+80.97	677037.7092	929774.1658

NOTES:

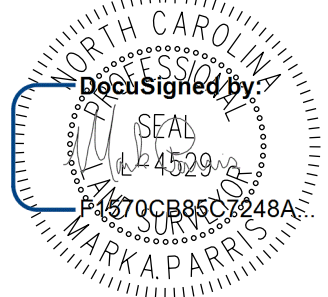
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

Location and Surveys

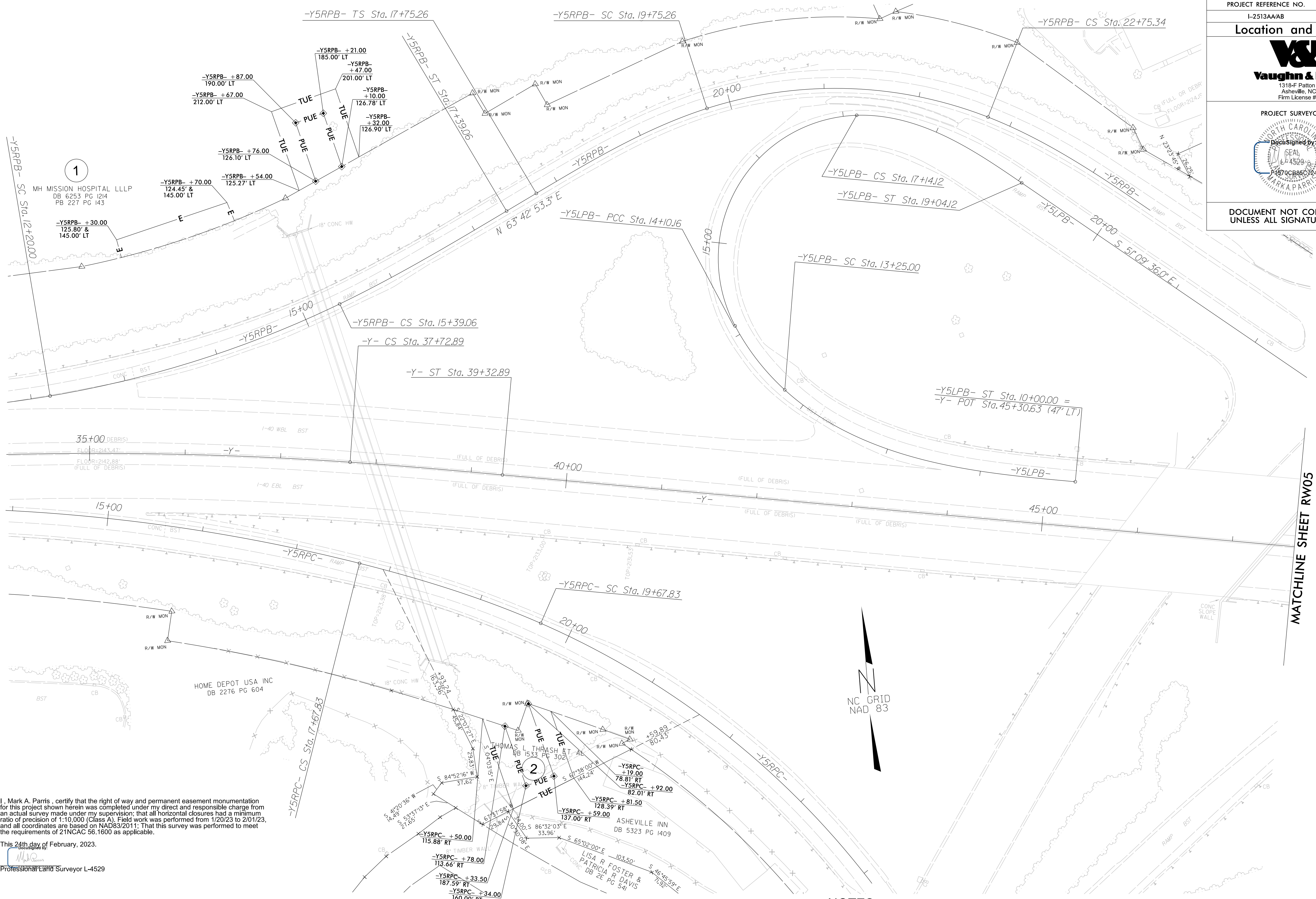


PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS



MATCHLINE SHEET RW05

I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2023.
Professional Land Surveyor L-4529

**SEE SHEET RW14
FOR ALIGNMENT DATA**

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 .

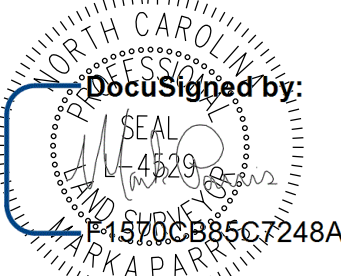
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Location and Surveys



1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088

PROJECT SURVEYOR

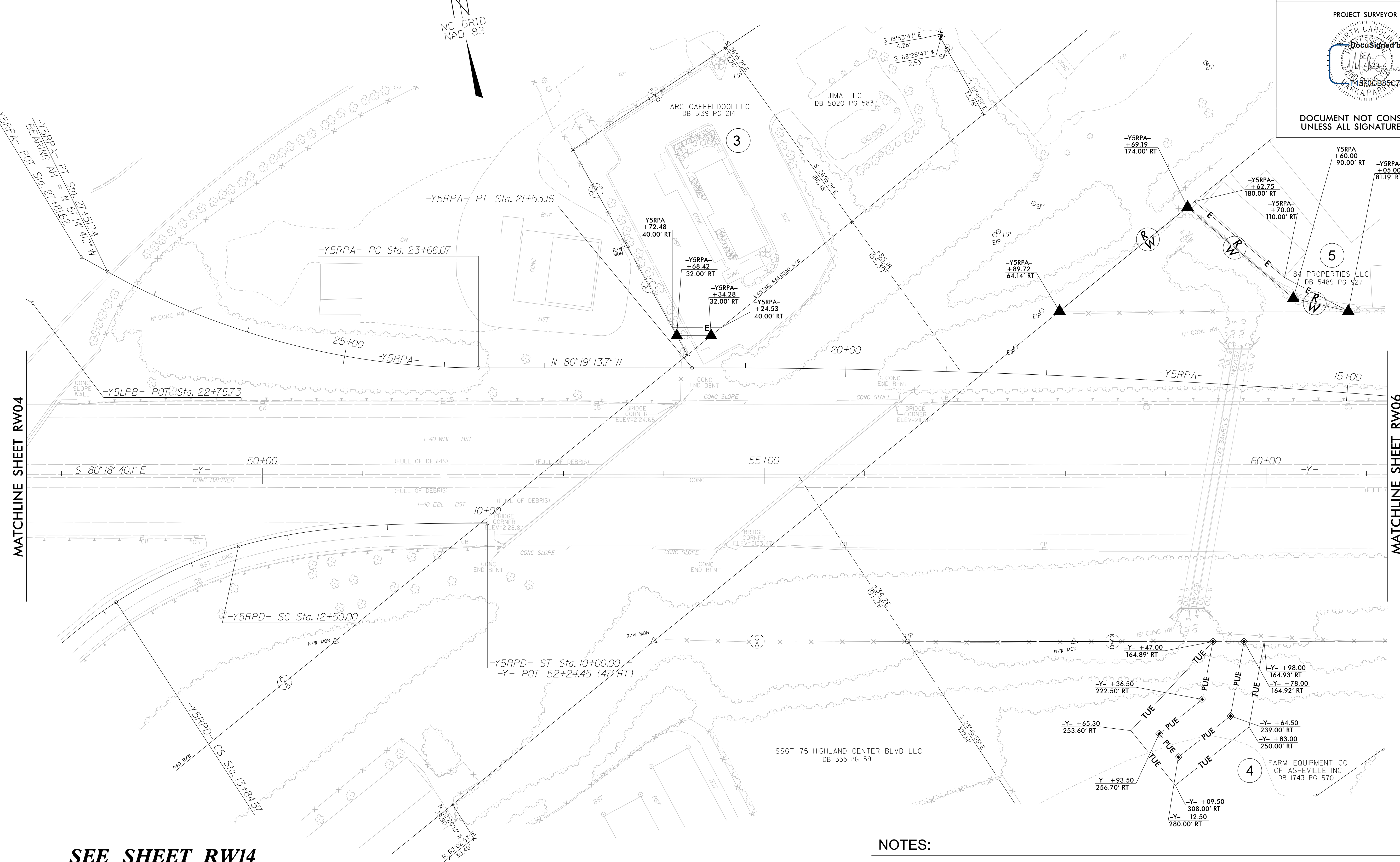


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2023.

Professional Land Surveyor L-4529



NC GRID NAD 83

MATCHLINE SHEET RW04

MATCHLINE SHEET RW06

SEE SHEET RW14 FOR ALIGNMENT DATA

NOTES:

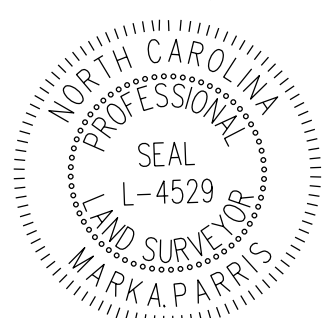
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 .

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Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

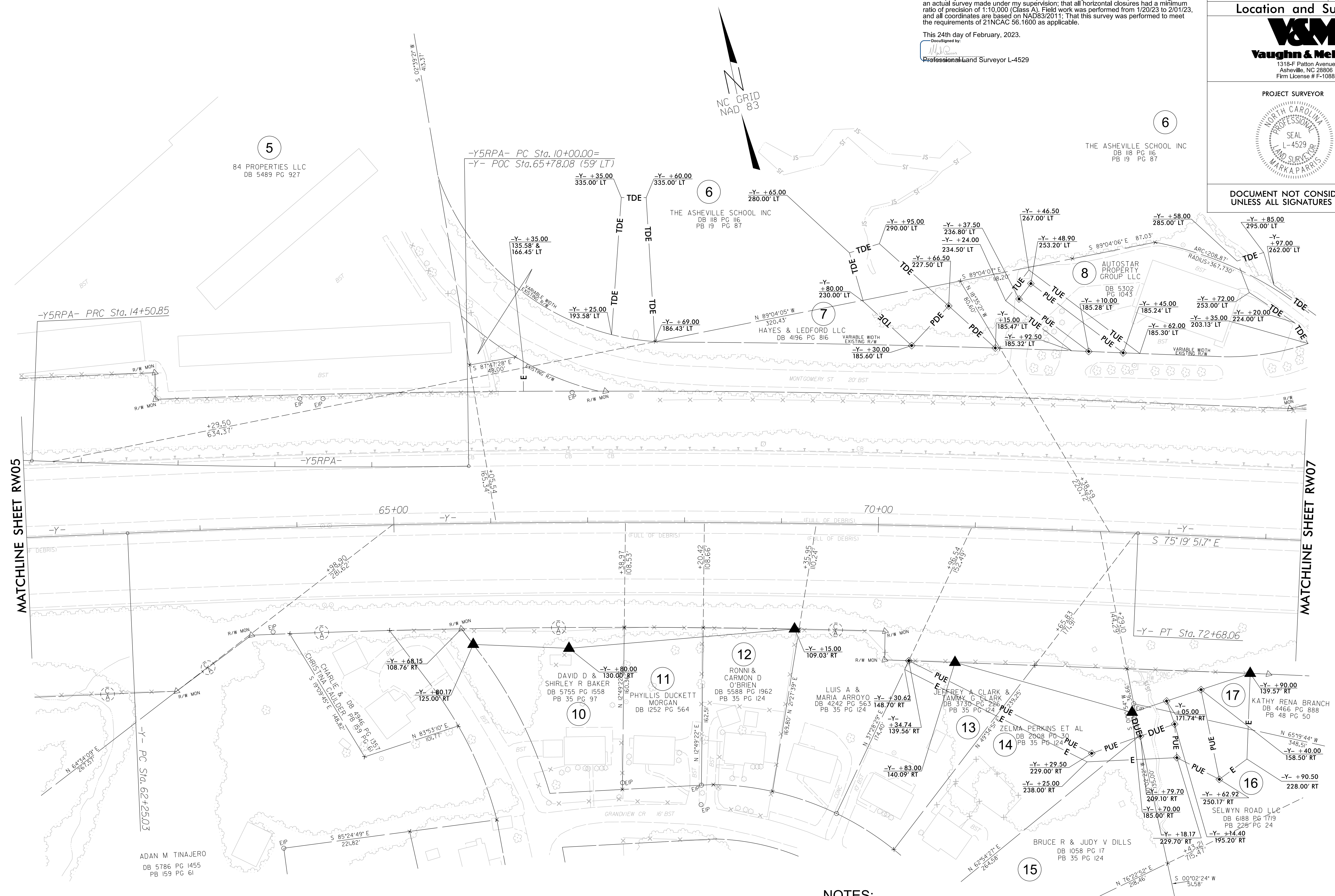
I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2023.

DocuSigned by:
 Mark A. Parris
 Professional Land Surveyor L-4529

6

THE ASHEVILLE SCHOOL INC
 DB 118 PG 116
 PB 19 PG 87



REVISIONS

MATCHLINE SHEET RW05

MATCHLINE SHEET RW07

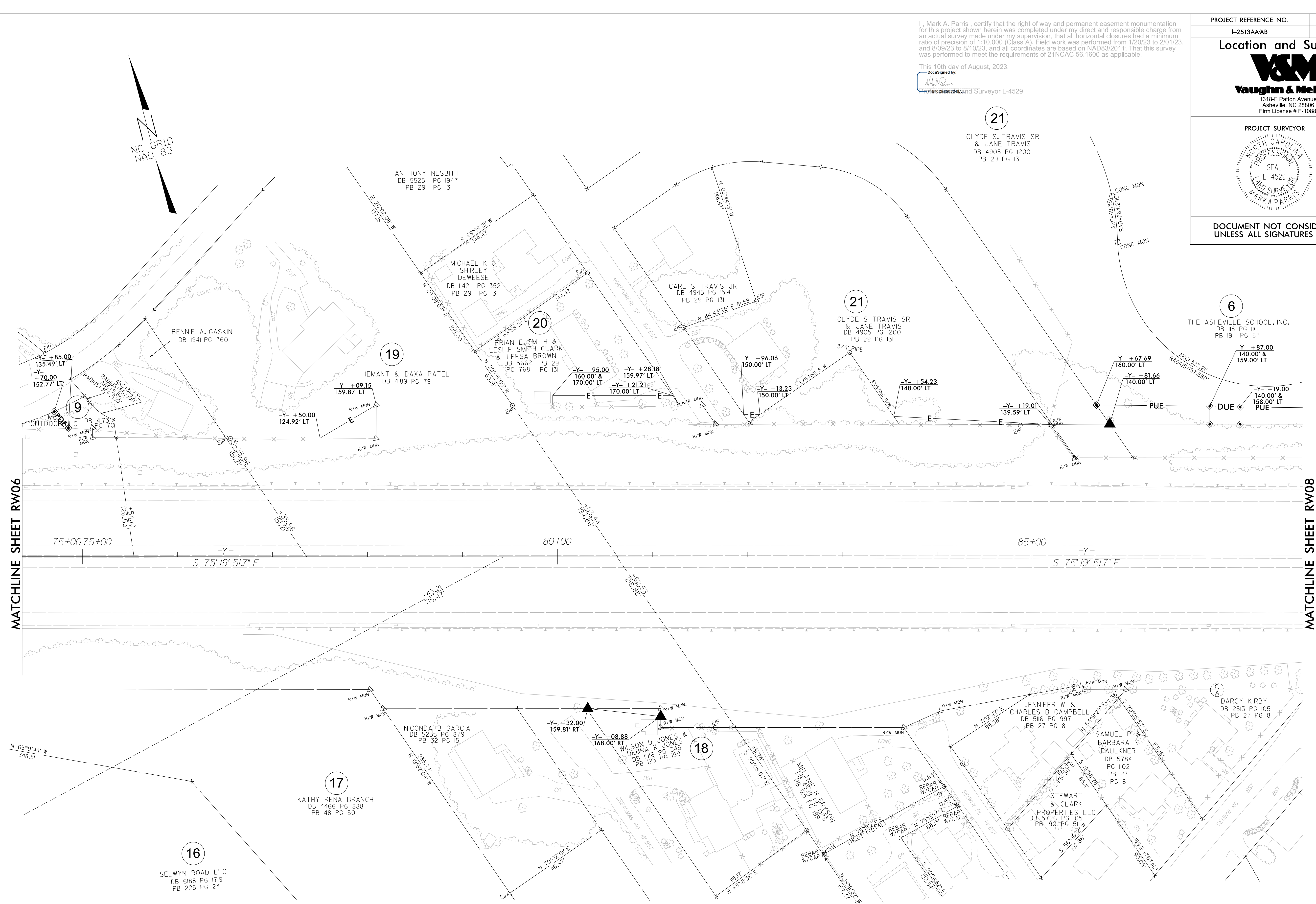
**SEE SHEET RW14
 FOR ALIGNMENT DATA**

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 .

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REVISIONS



I, Mark A. Paris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and 8/09/23 to 8/10/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This, 10th day of August, 2023.

Designed by:

 Mark A. Paris
 Professional Engineer
 License No. L-4529
 State of North Carolina

PROJECT REFERENCE NO.	SHEET NO.
I-2513AA/AB	RW07
Location and Surveys	
 Vaughn & Melton 1318-F Patton Avenue Asheville, NC 28606 Firm License # F-1088	
PROJECT SURVEYOR	
 Mark A. Paris Professional Engineer License No. L-4529 State of North Carolina	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	


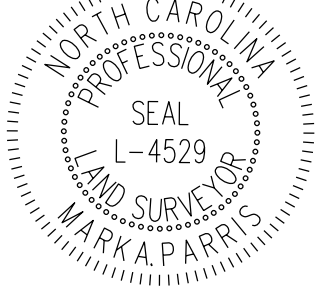
MATCHLINE SHEET RW06

MATCHLINE SHEET RW08

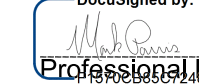
**SEE SHEET RW14
FOR ALIGNMENT DATA**

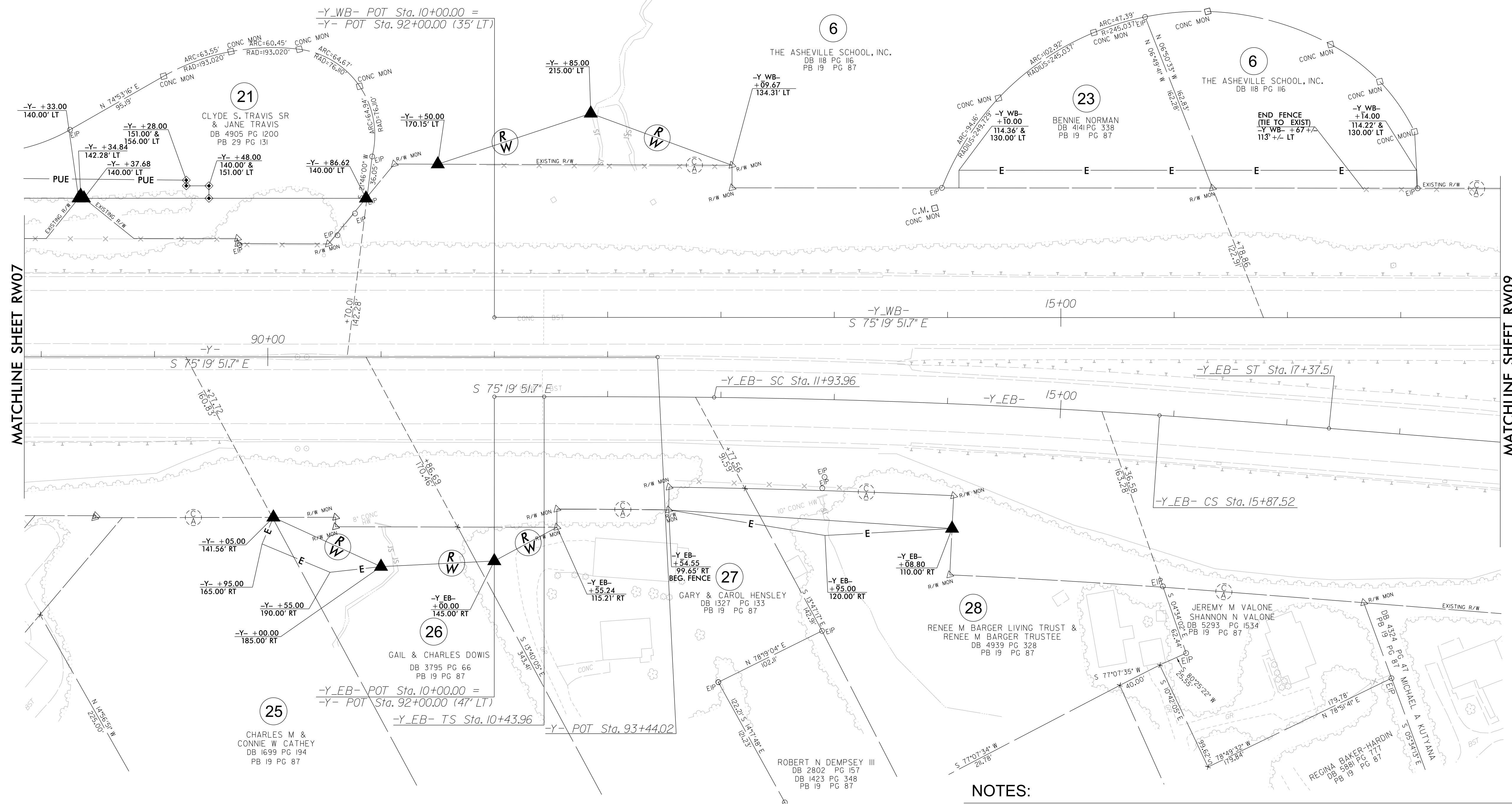
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 AND 8/09/23 TO 8/10/23.

PROJECT REFERENCE NO.	SHEET NO.
I-2513AA/AB	RW08
Location and Surveys	
 1318-F Patton Avenue Asheville, NC 28808 Firm License # F-1088	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and all coordinates are based on NAD83(2011). That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2023.
 Drawn by:

 Professional Land Surveyor L-4529



REVISIONS

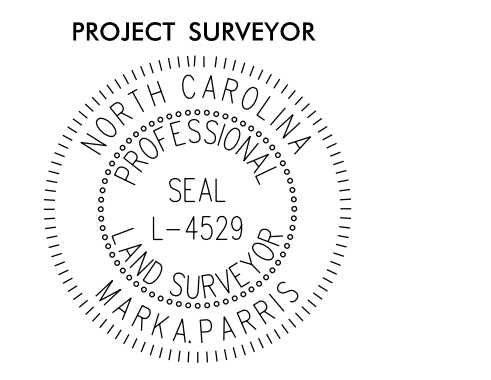
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 jsgordon

**SEE SHEET RW14
FOR ALIGNMENT DATA**

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 .

Location and Surveys



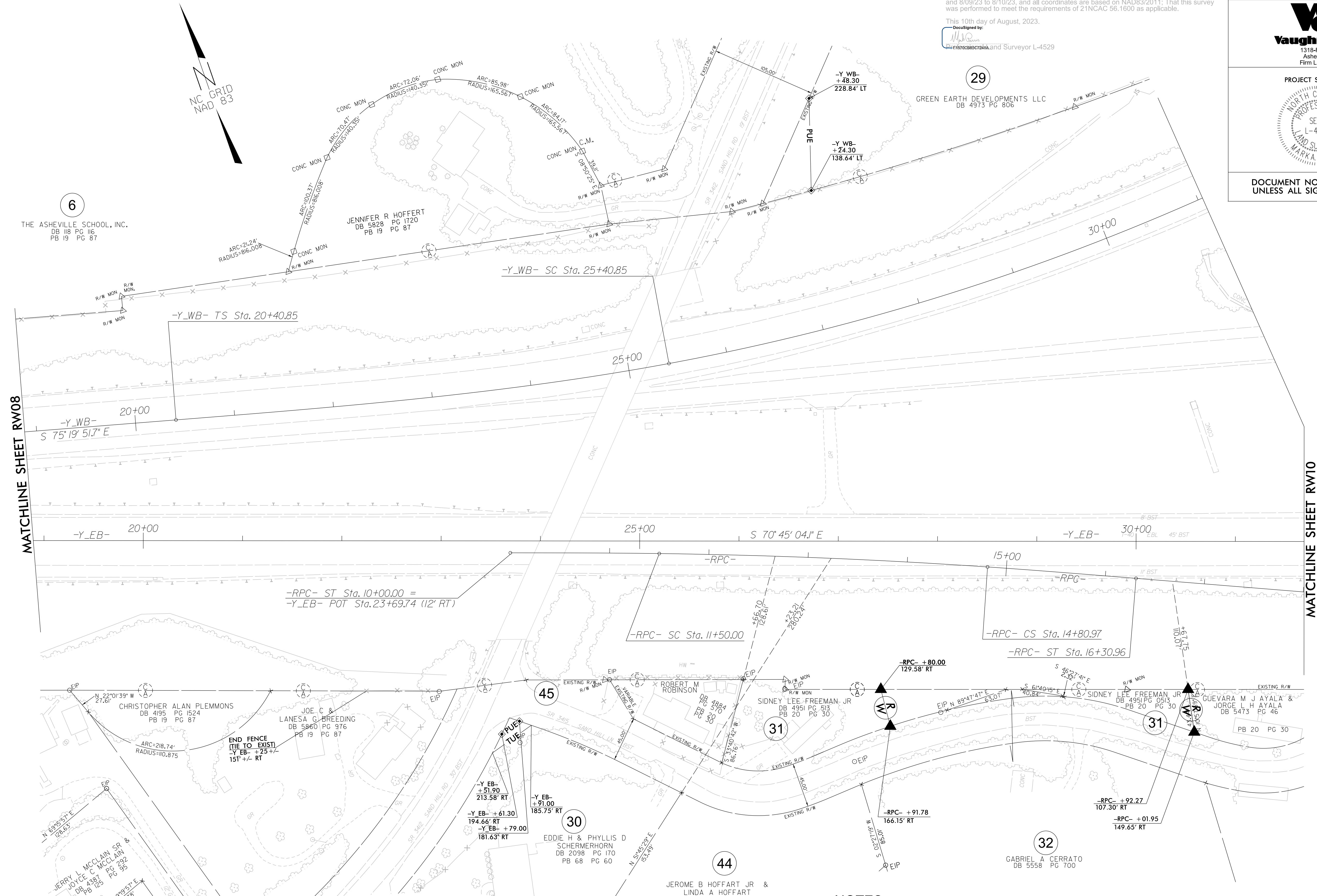
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and 8/09/23 to 8/10/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of August, 2023.

DocuSigned by:

 Mark A. Parris and Surveyor L-4529



6
 THE ASHEVILLE SCHOOL, INC.
 DB 118 PG 116
 PB 19 PG 87

JENNIFER R HOFFERT
 DB 5828 PG 1120
 PB 19 PG 87

29
 GREEN EARTH DEVELOPMENTS LLC
 DB 4973 PG 806

MATCHLINE SHEET RW08

MATCHLINE SHEET RW10

REVISIONS

**SEE SHEET RW14
 FOR ALIGNMENT DATA**

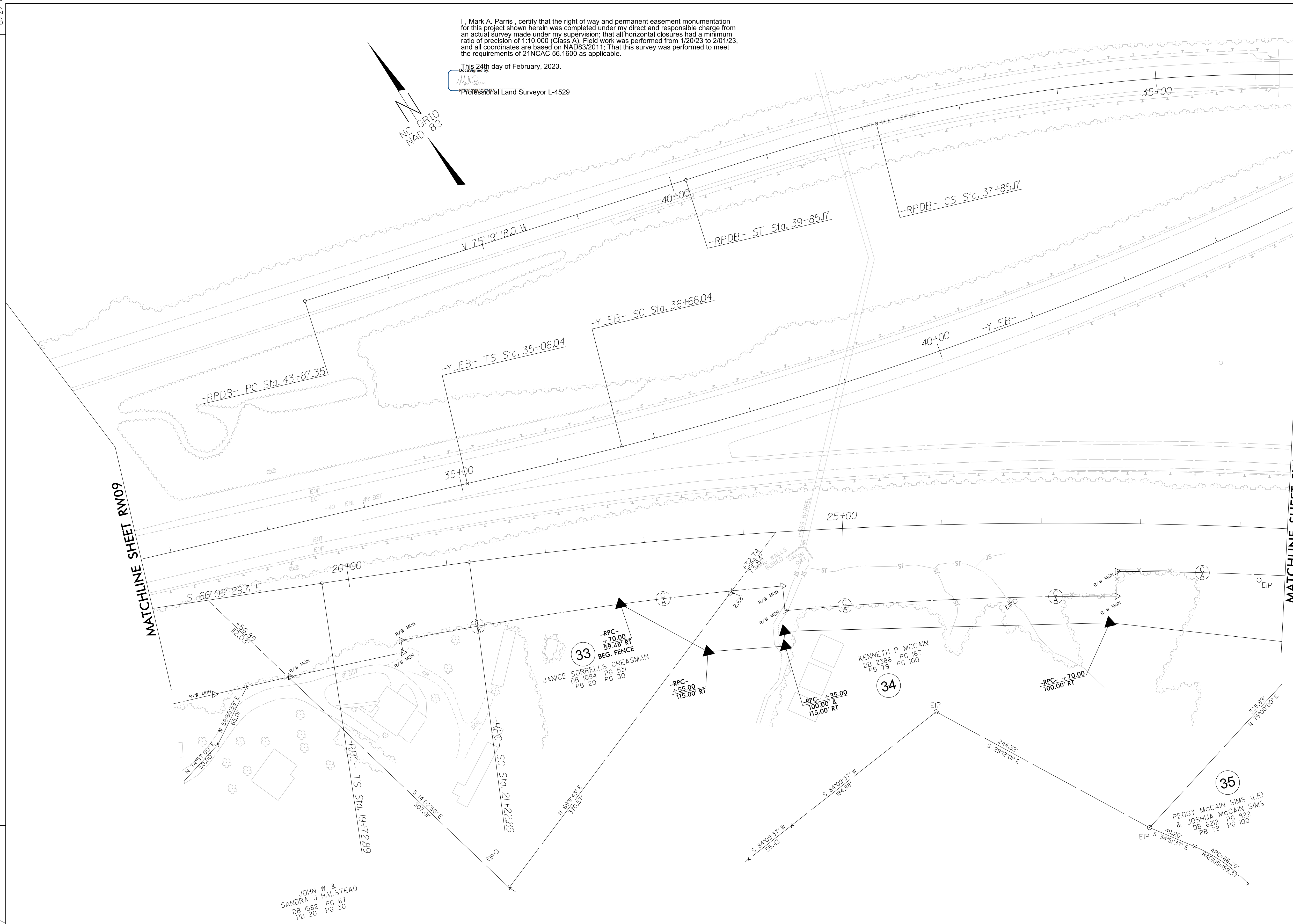
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 AND 8/09/23 TO 8/10/23.

37 JAN 2024 12:41
 V:\NCS\2024\12513AA\12513AA-AB\12513AA-1s_RW09.dgn
 V:\NCS\2024\12513AA\12513AA-AB\12513AA-1s_RW09.dgn
 V:\NCS\2024\12513AA\12513AA-AB\12513AA-1s_RW09.dgn

08-AUG-2023 1:50 PM V:\NCSurvey\12513AA-AB\12513AA-1s_RW10.dgn
V:\NCSurvey\12513AA-AB\12513AA-1s_RW10.dgn
P:\40V-2\HI-37
12513AA-AB\12513AA-1s_RW10.dgn

REVISIONS



I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2023.
 [Signature]
 Professional Land Surveyor L-4529



PROJECT REFERENCE NO. I-2513AA/AB	SHEET NO. RW10
Location and Surveys	
 Vaughn & Melton 1318-F Patton Avenue Asheville, NC 28905 Firm License # F-1088	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**SEE SHEET RW14
FOR ALIGNMENT DATA**

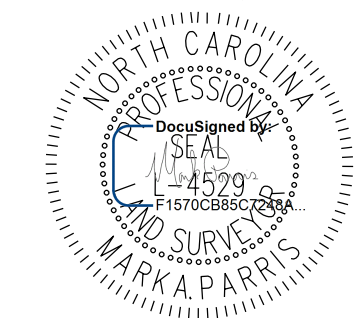
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 .

Location and Surveys



PROJECT SURVEYOR

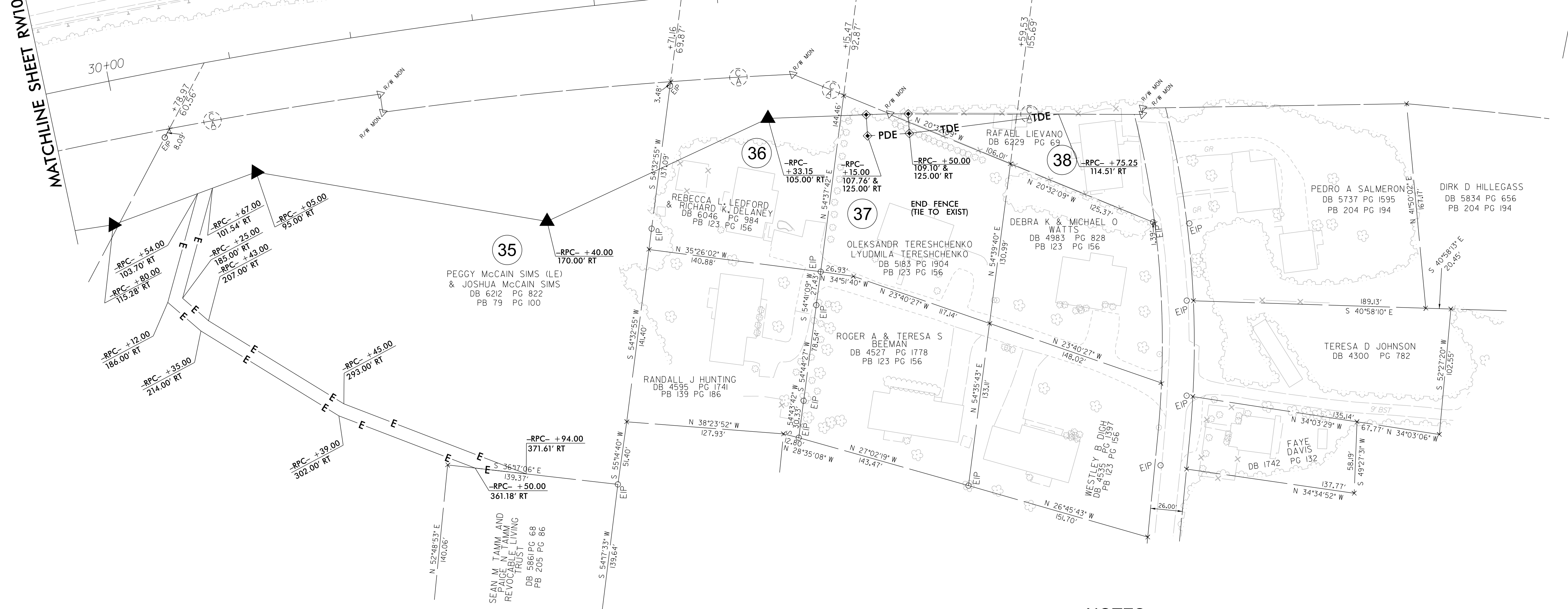


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and 8/09/23 to 8/10/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of August, 2023.

DocuSigned by:
Mark A. Parris
Project #167002848 Surveyor L-4529



SEE SHEET RW14 FOR ALIGNMENT DATA

NOTES:

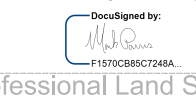
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 AND 8/09/23 TO 8/10/23.

REVISIONS

09-0CT-2023 1457 V:\NC\15\031200-042 12513AA-AB\12513AA-1s_RW11.dgn
 V:\NC\15\031200-042 12513AA-AB\12513AA-1s_RW11.dgn
 P:\40V-2\HI-27

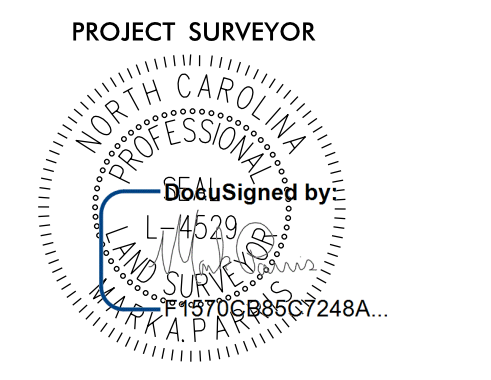
I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and 8/09/23 to 8/10/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of August, 2023.

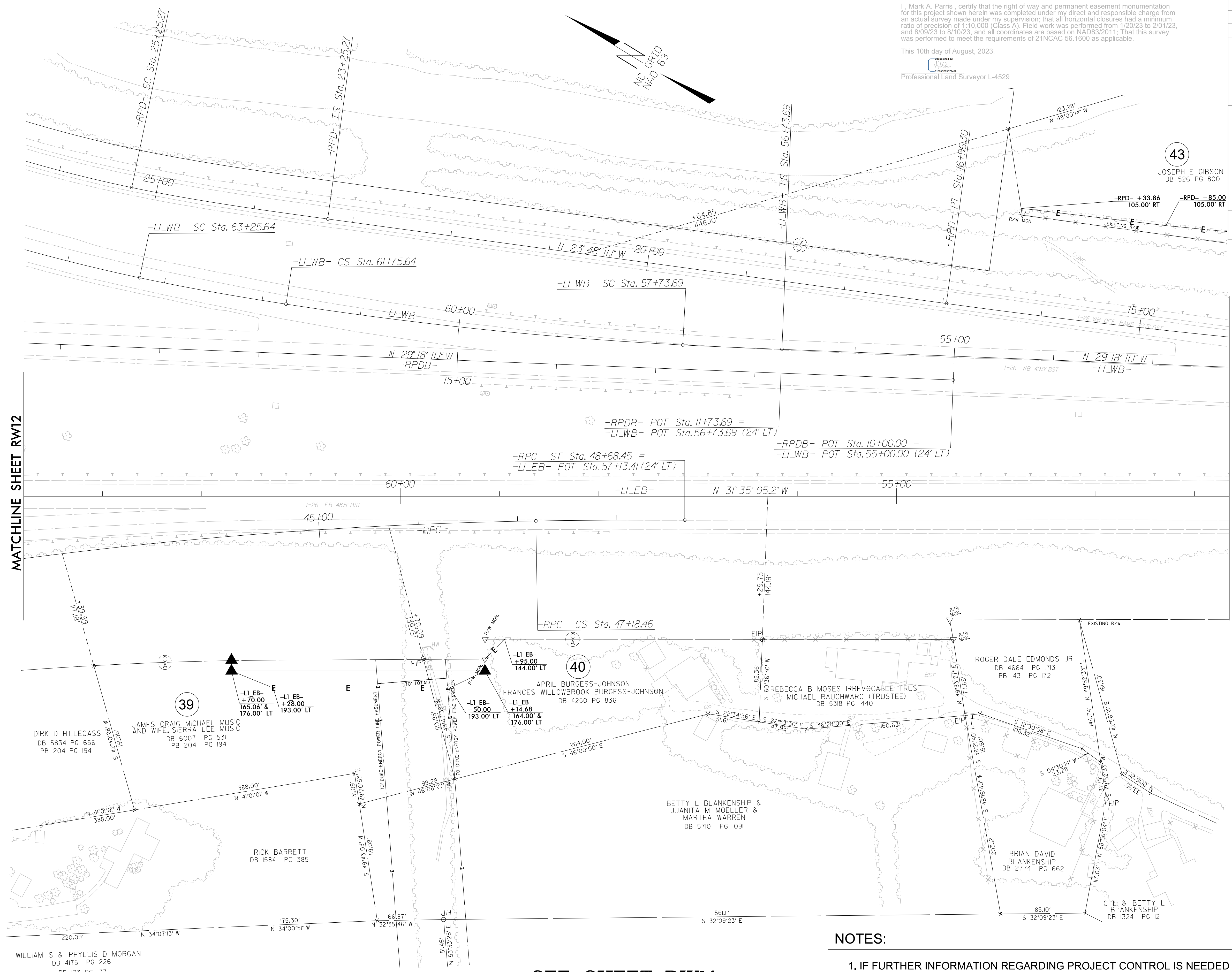
 Professional Land Surveyor L-4529

PROJECT REFERENCE NO.	SHEET NO.
I-2513AA/AB	RW12

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

MATCHLINE SHEET RW12

MATCHLINE SHEET RW13

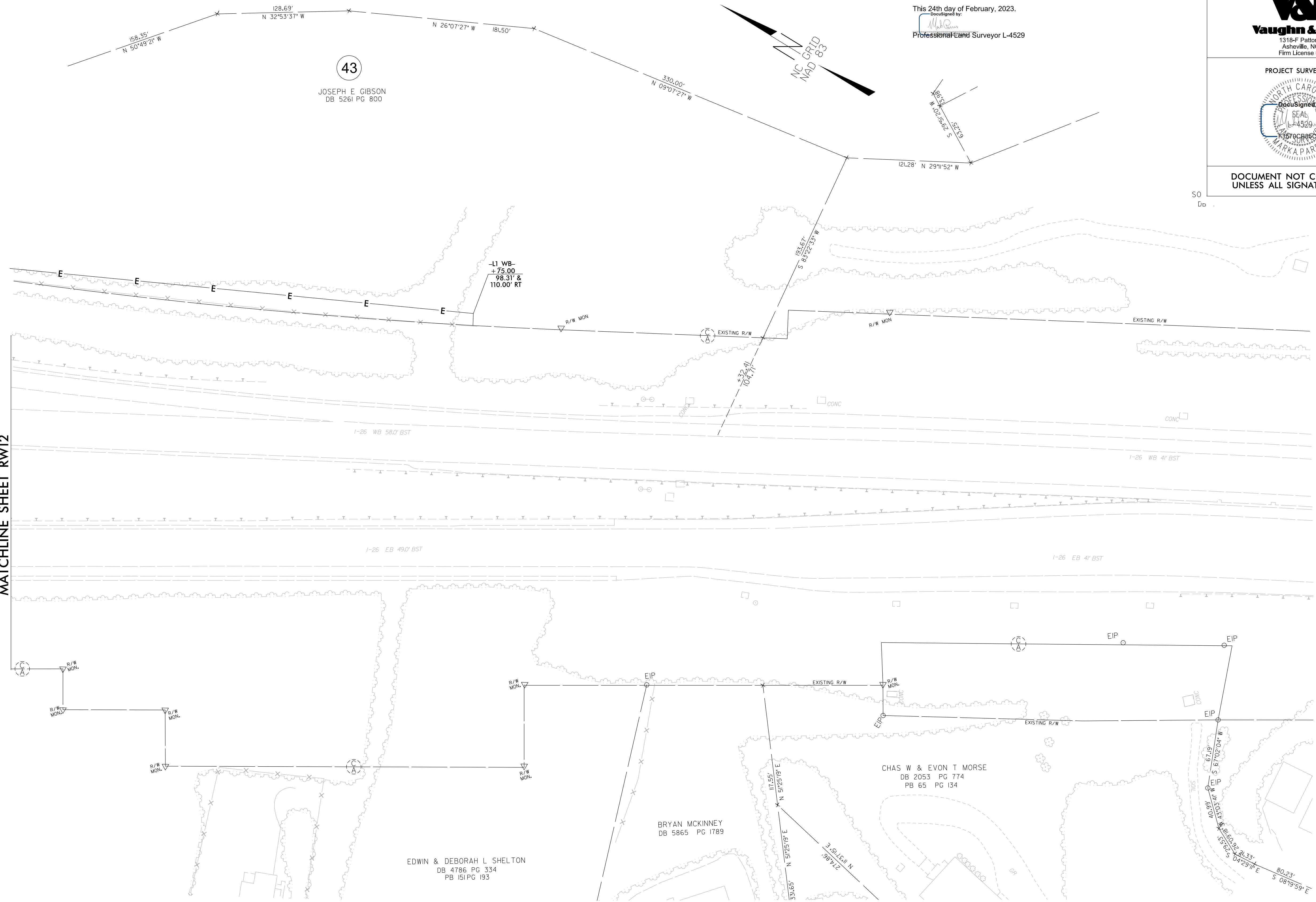
SEE SHEET RW14 FOR ALIGNMENT DATA

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 AND 8/09/23 TO 8/10/23.

REVISIONS

MATCHLINE SHEET RW12



I, Mark A. Parris, certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 1/20/23 to 2/01/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2023.

DocuSigned by:
Mark A. Parris
Professional Land Surveyor L-4529

PROJECT REFERENCE NO. I-2513AA/AB	SHEET NO. RW13
Location and Surveys	
 1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**SEE SHEET RW14
FOR ALIGNMENT DATA**

NOTES:

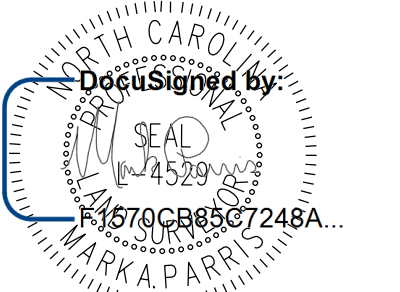
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 1/20/23 TO 2/01/23 .

Location and Surveys

V&M
Vaughn & Melton

1318-F Patton Avenue
 Asheville, NC 28806
 Firm License # F-1088

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PROPOSED ALIGNMENT CURVE DATA

-Y-

<i>Pls Sta 15+33.63</i>	<i>Pl Sta 27+10.76</i>	<i>Pls Sta 38+26.22</i>	<i>Pl Sta 67+46.87</i>	<i>Pl Sta 12+25.48</i>	<i>Pl Sta 18+02.20</i>	<i>Pl Sta 25+63.16</i>
$\Theta_s = 1^\circ 11' 59.7''$	$\Delta = 32^\circ 47' 11.6''$ (RT)	$\Theta_s = 1^\circ 11' 59.7''$	$\Delta = 4^\circ 58' 48.4''$ (RT)	$\Delta = 3^\circ 02' 20.5''$ (RT)	$\Delta = 4^\circ 44' 02.6''$ (LT)	$\Delta = 29^\circ 04' 32.1''$ (RT)
$L_s = 160.00'$	$D = 1^\circ 29' 59.6''$	$L_s = 160.00'$	$D = 0^\circ 28' 38.9''$	$D = 0^\circ 40' 26.6''$	$D = 0^\circ 40' 26.6''$	$D = 7^\circ 32' 20.1''$
$LT = 106.67'$	$L = 2,185.93'$	$LT = 106.67'$	$L = 1,043.03'$	$L = 450.85'$	$L = 702.31'$	$L = 385.67'$
$ST = 53.34'$	$T = 1,123.80'$	$ST = 53.34'$	$T = 521.85'$	$T = 225.48'$	$T = 351.35'$	$T = 197.08'$
	$R = 3,820.00'$		$R = 12,000.00'$	$R = 8,500.00'$	$R = 8,500.00'$	$R = 760.00'$

-Y5RPB-

<i>Pls Sta 11+46.74</i>	<i>Pl Sta 13+80.60</i>	<i>Pls Sta 16+05.78</i>	<i>Pls Sta 19+08.96</i>	<i>Pl Sta 21+31.40</i>	<i>Pls Sta 23+42.34</i>
$\Theta_s = 5^\circ 34' 38.9''$	$\Delta = 16^\circ 10' 40.3''$ (LT)	$\Theta_s = 5^\circ 04' 13.5''$	$\Theta_s = 13^\circ 01' 18.4''$	$\Delta = 39^\circ 04' 33.3''$ (RT)	$\Theta_s = 13^\circ 01' 18.4''$
$L_s = 220.00'$	$D = 5^\circ 04' 13.5''$	$L_s = 200.00'$	$L_s = 200.00'$	$D = 13^\circ 01' 18.4''$	$L_s = 200.00'$
$LT = 146.74'$	$L = 319.06'$	$LT = 133.39'$	$LT = 133.70'$	$L = 300.08'$	$LT = 133.70'$
$ST = 73.40'$	$T = 160.60'$	$ST = 66.72'$	$ST = 67.00'$	$T = 156.14'$	$ST = 67.00'$
	$R = 1,130.00'$			$R = 440.00'$	

-Y5RPC-

<i>Pls Sta 11+10.98</i>	<i>Pl Sta 14+86.02</i>	<i>Pls Sta 18+80.37</i>	<i>Pl Sta 21+98.09</i>	<i>Pls Sta 11+43.96</i>	<i>Pl Sta 13+90.80</i>	<i>Pls Sta 16+37.52</i>
$\Theta_s = 1^\circ 31' 06.6''$	$\Delta = 17^\circ 02' 01.1''$ (RT)	$\Theta_s = 2^\circ 59' 56.7''$	$\Delta = 29^\circ 19' 36.1''$ (RT)	$\Theta_s = 0^\circ 37' 55.0''$	$\Delta = 3^\circ 18' 57.8''$ (RT)	$\Theta_s = 0^\circ 37' 54.8''$
$\Theta_s = 2^\circ 59' 59.5''$	$D = 2^\circ 59' 59.2''$	$\Theta_s = 6^\circ 30' 41.7''$	$D = 6^\circ 30' 39.2''$	$L_s = 150.00'$	$D = 0^\circ 50' 33.3''$	$L_s = 150.00'$
$L_s = 200.00'$	$L = 567.83'$	$L_s = 200.00'$	$L = 450.43'$	$LT = 100.00'$	$L = 393.56'$	$LT = 100.00'$
$LT = 110.98'$	$T = 286.02'$	$LT = 112.54'$	$T = 230.26'$	$ST = 50.00'$	$T = 196.83'$	$ST = 50.00'$
$ST = 89.12'$	$R = 1,910.00'$	$ST = 87.91'$	$R = 880.00'$		$R = 6,800.00'$	

-Y_EB-

-Y_WB-

<i>Pls Sta 23+74.37</i>	<i>Pl Sta 28+28.43</i>	<i>Pls Sta 31+93.29</i>
$\Theta_s = 5^\circ 58' 05.9''$	$\Delta = 13^\circ 39' 57.0''$ (LT)	$\Theta_s = 2^\circ 51' 52.8''$
$L_s = 500.00'$	$D = 2^\circ 23' 14.4''$	$L_s = 239.99'$
$LT = 333.52'$	$L = 572.43'$	$LT = 160.01'$
$ST = 166.84'$	$T = 287.58'$	$ST = 80.02'$
	$R = 2,400.00'$	

-RPC-

<i>Pls Sta 11+00.00</i>	<i>Pl Sta 13+15.53</i>	<i>Pls Sta 15+30.97</i>	<i>Pls Sta 20+72.89</i>	<i>Pl Sta 34+57.05</i>	<i>Pls Sta 47+68.46</i>
$\Theta_s = 0^\circ 42' 58.3''$	$\Delta = 3^\circ 09' 38.0''$ (RT)	$\Theta_s = 0^\circ 42' 58.1''$	$\Theta_s = 0^\circ 56' 40.0''$	$\Delta = 32^\circ 41' 04.6''$ (RT)	$\Theta_s = 0^\circ 56' 39.7''$
$L_s = 150.00'$	$D = 0^\circ 57' 17.7''$	$L_s = 149.99'$	$L_s = 150.00'$	$D = 1^\circ 15' 33.3''$	$L_s = 150.00'$
$LT = 100.00'$	$L = 330.97'$	$LT = 99.99'$	$LT = 100.00'$	$L = 2,595.57'$	$LT = 100.00'$
$ST = 50.00'$	$T = 165.53'$	$ST = 50.00'$	$ST = 50.00'$	$T = 1,334.16'$	$ST = 50.00'$
	$R = 6,000.00'$			$R = 4,550.00'$	

-LI_EB-

<i>Pls Sta 24+84.39</i>	<i>Pl Sta 31+83.19</i>	<i>Pls Sta 38+81.92</i>	<i>Pls Sta 71+80.57</i>	<i>Pl Sta 78+80.34</i>
$\Theta_s = 4^\circ 49' 31.6''$	$\Delta = 28^\circ 27' 55.0''$ (LT)	$\Theta_s = 5^\circ 42' 51.6''$	$\Theta_s = 10^\circ 00' 00.0''$	$\Delta = 52^\circ 38' 29.2''$ (RT)
$L_s = 380.00'$	$D = 2^\circ 32' 22.9''$	$L_s = 450.00'$	$L_s = 400.00'$	$D = 5^\circ 00' 00.0''$
$LT = 253.43'$	$L = 1,120.81'$	$LT = 300.16'$	$LT = 267.09'$	$L = 1,052.83'$
$ST = 126.75'$	$T = 572.22'$	$ST = 150.14'$	$ST = 133.72'$	$T = 566.86'$
	$R = 2,256.00'$			$R = 1,145.92'$

REVISIONS