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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-4700	RW01	

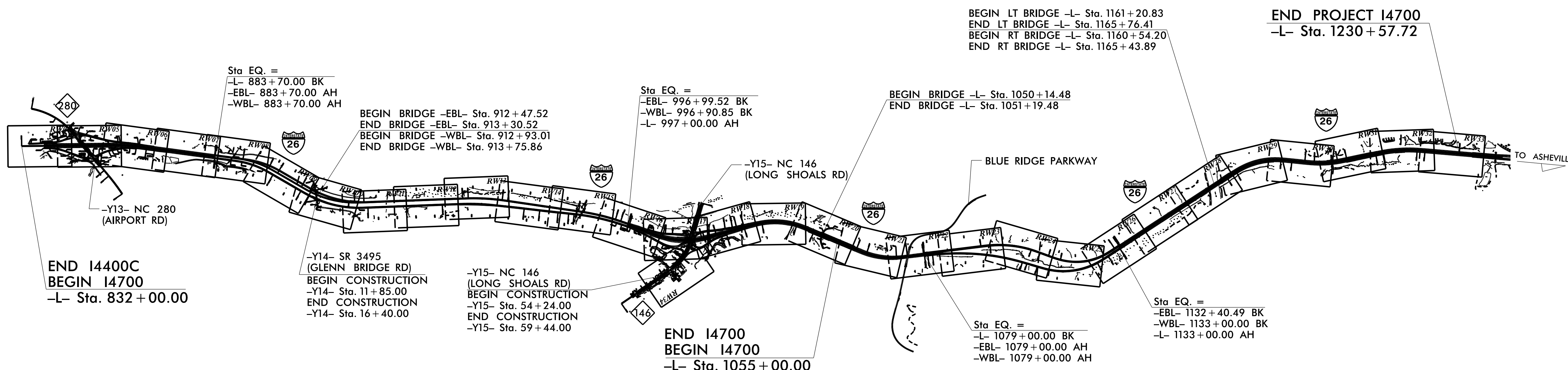
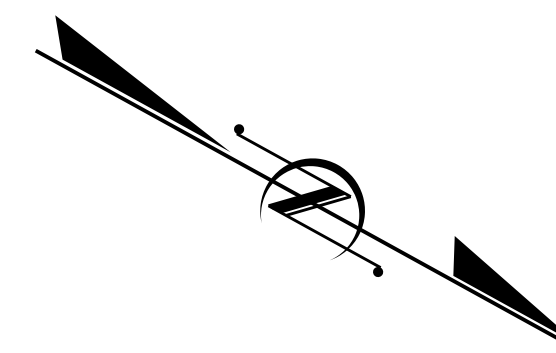
**TIP PROJECT: I-4700**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

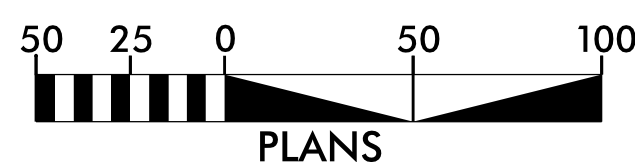
SURVEY CONTROL, EXISTING CENTERLINES,  
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES  
**HENDERSON & BUNCOMBE COUNTY**

LOCATION: I-26 FROM 0.3 MI EAST OF NC 280 (AIRPORT ROAD)  
TO 0.5 MI EAST OF NC 191 (BREVARD ROAD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, RESURFACING, AND STRUCTURES



**GRAPHIC SCALE**



PLANS

**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "GPS-20" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 628,284.137(ft) EASTING: 949,025.993(ft) ELEVATION: 2,091.760(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99978203

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-20" TO -L- STATION 832+00.00 IS N 14-47'54.1" W 4392.77(ft)

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

Prepared in the Office of:

**DIVISION OF HIGHWAYS**

1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
July 1, 2018

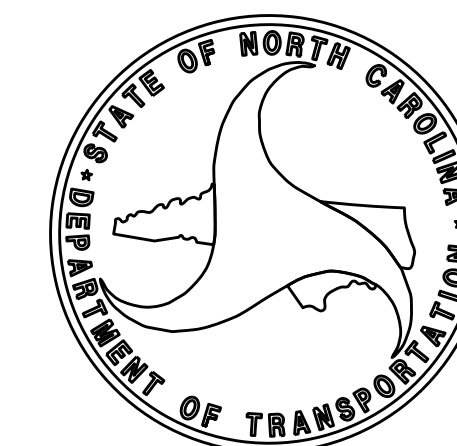
LETTING DATE:  
May 21, 2019

PROFESSIONAL LAND SURVEYOR



DocuSigned by:  
*Mark Parris*  
F1670C8B5C7248A...  
SIGNATURE: \_\_\_\_\_

3-19-19  
Date: \_\_\_\_\_

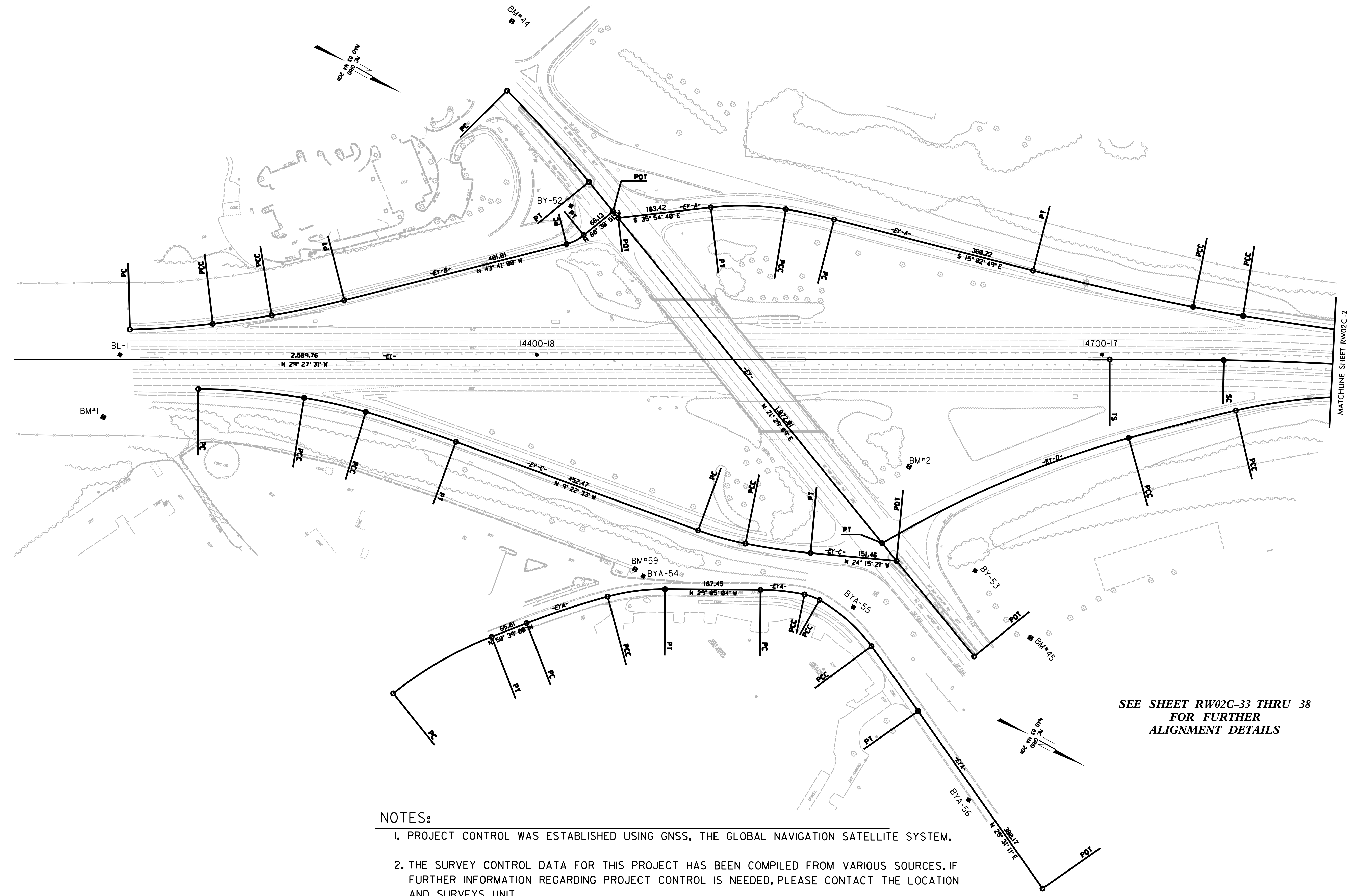


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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS

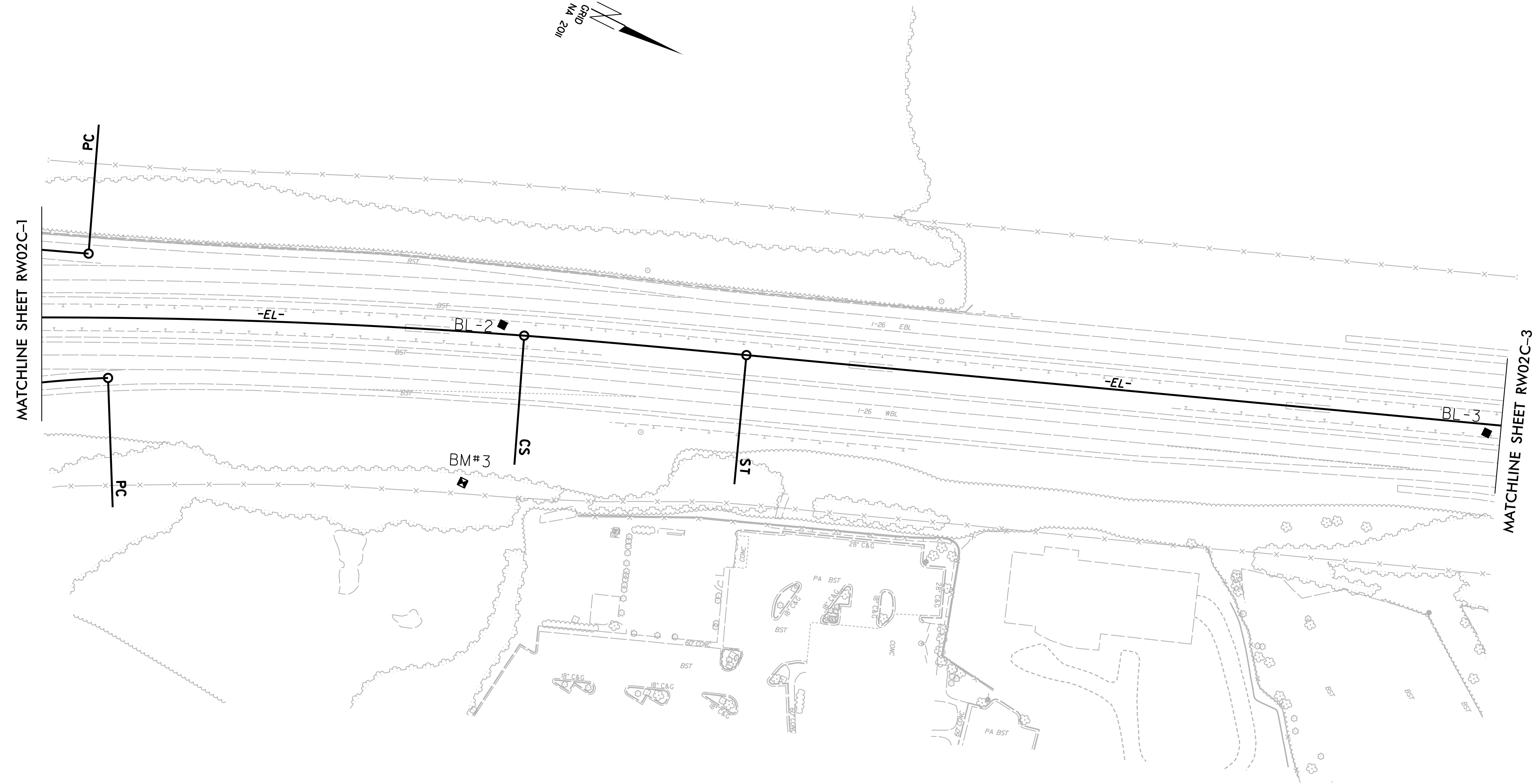
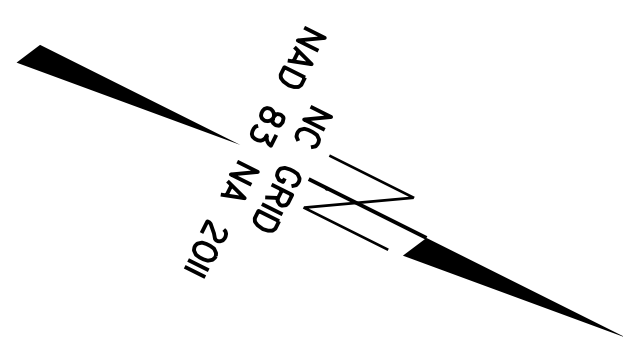
**NOTES:**

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 6/2/19

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



MATCHLINE SHEET RW02C-1

MATCHLINE SHEET RW02C-3

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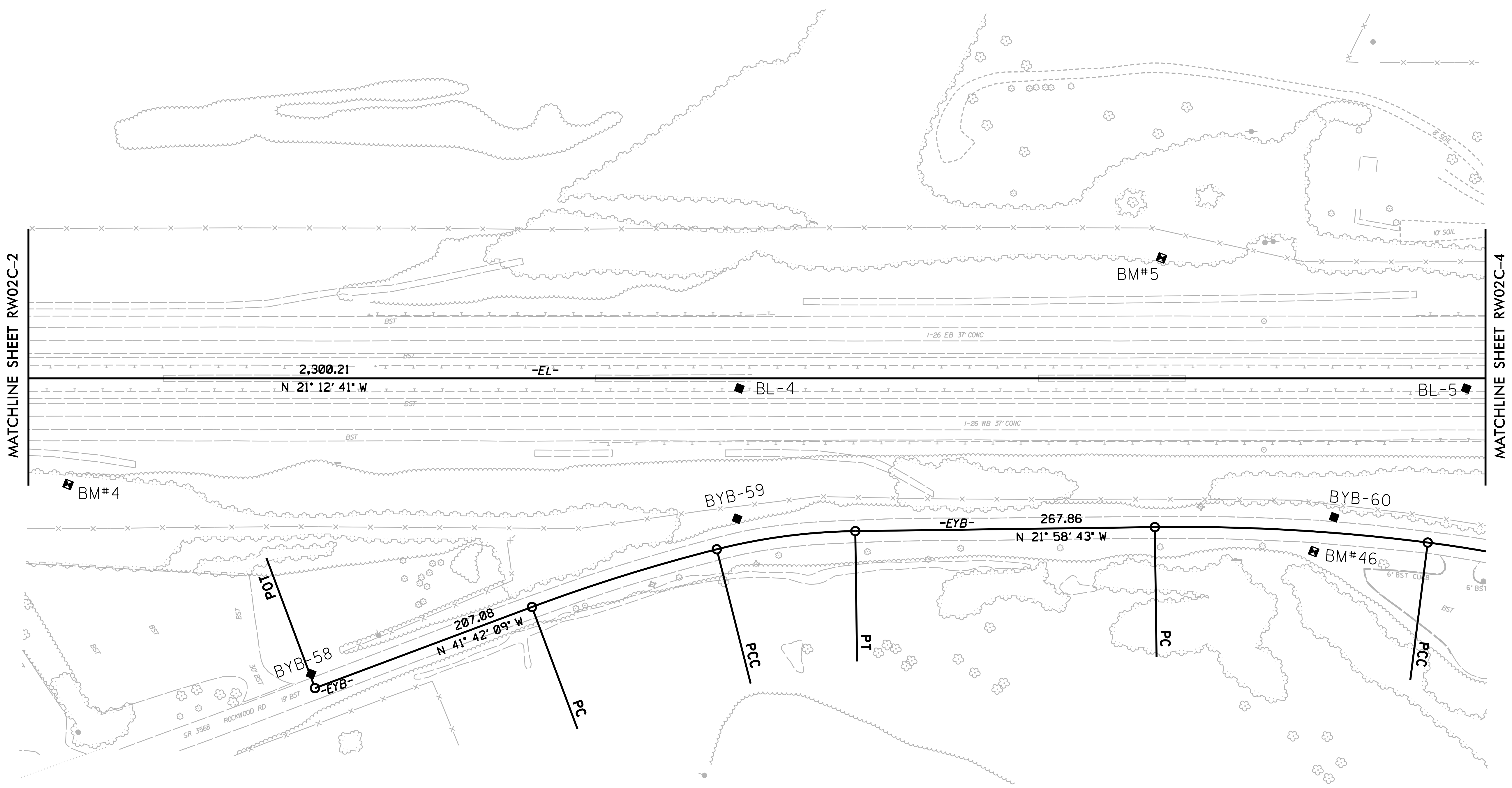
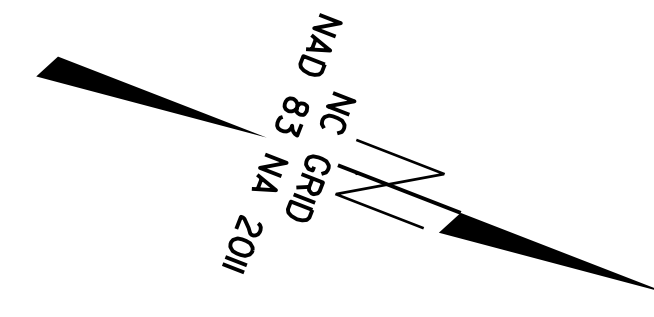
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REVISIONS



# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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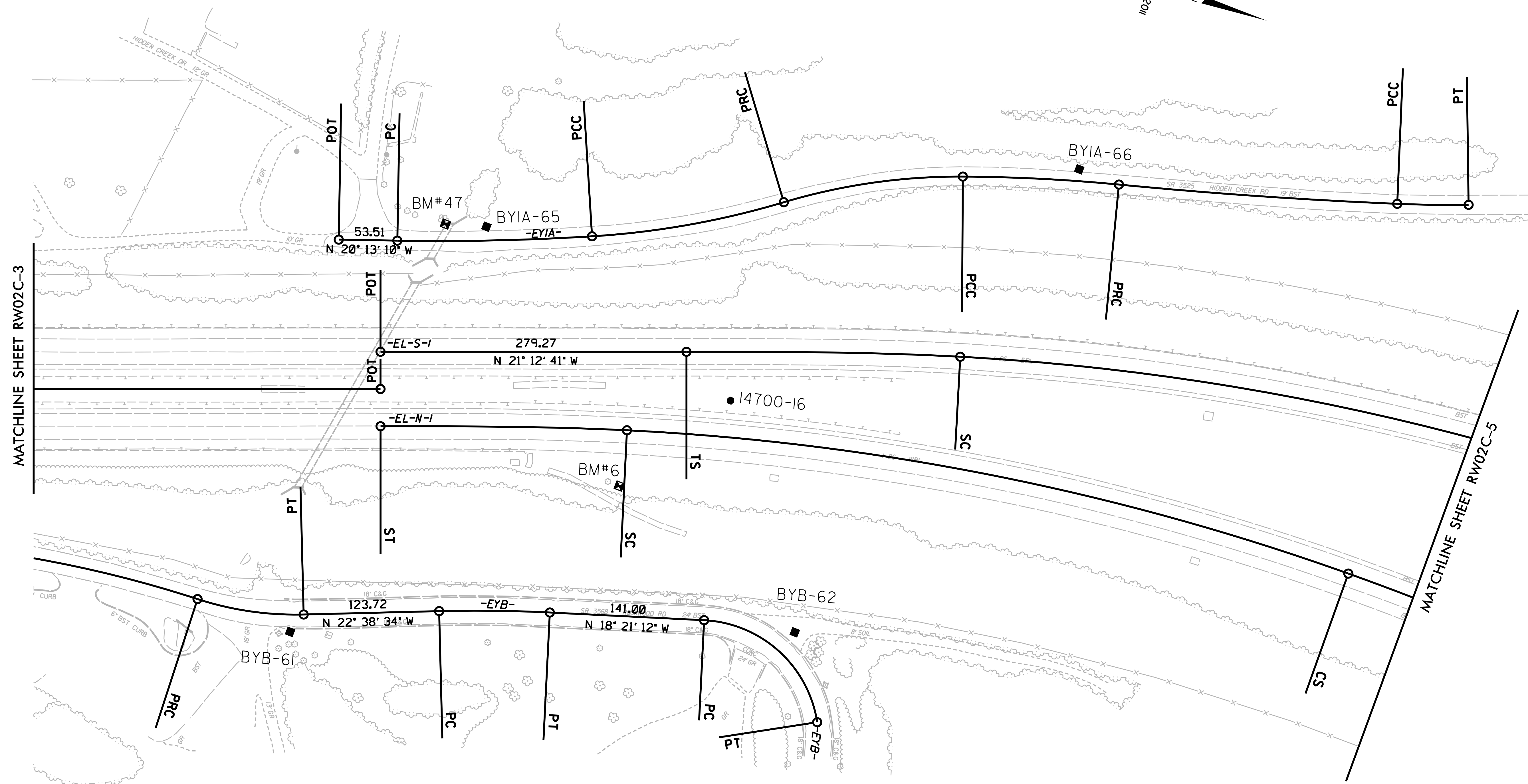
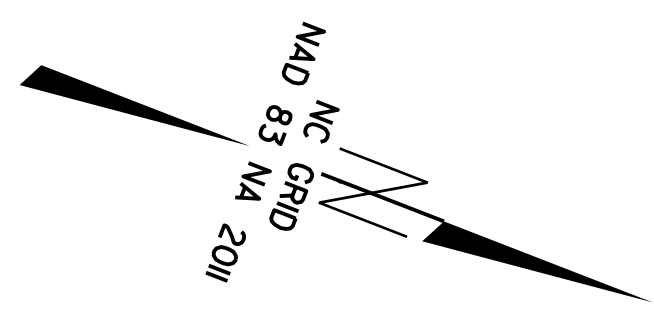
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REVISIONS

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# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
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**NOTES:**

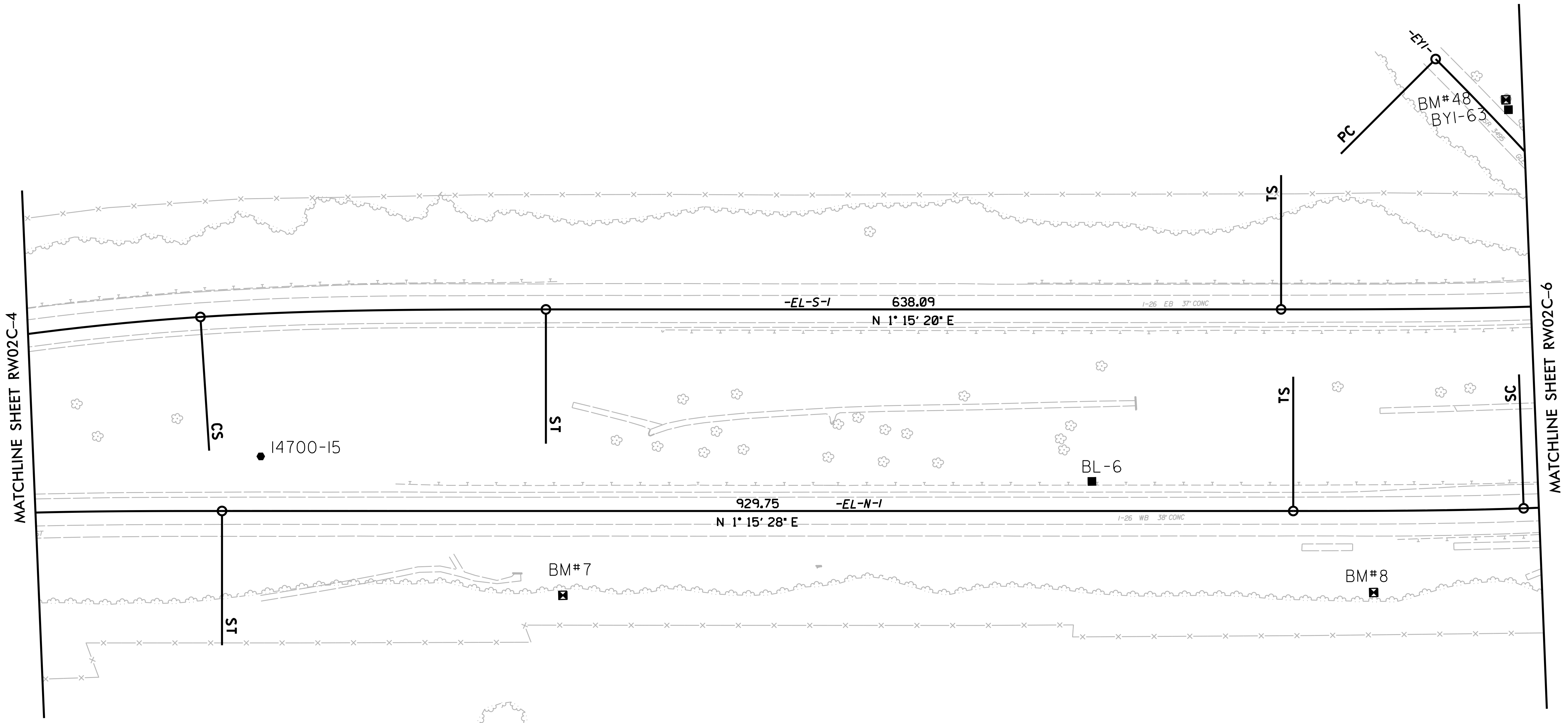
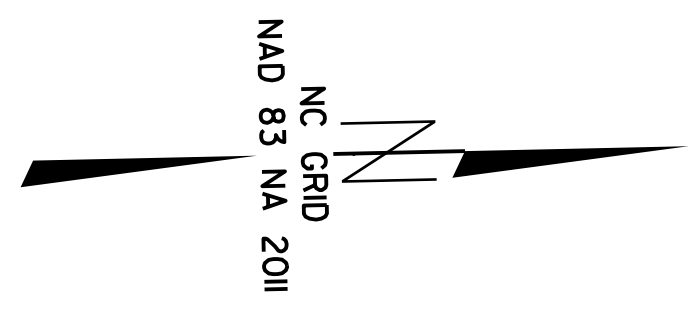
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-5
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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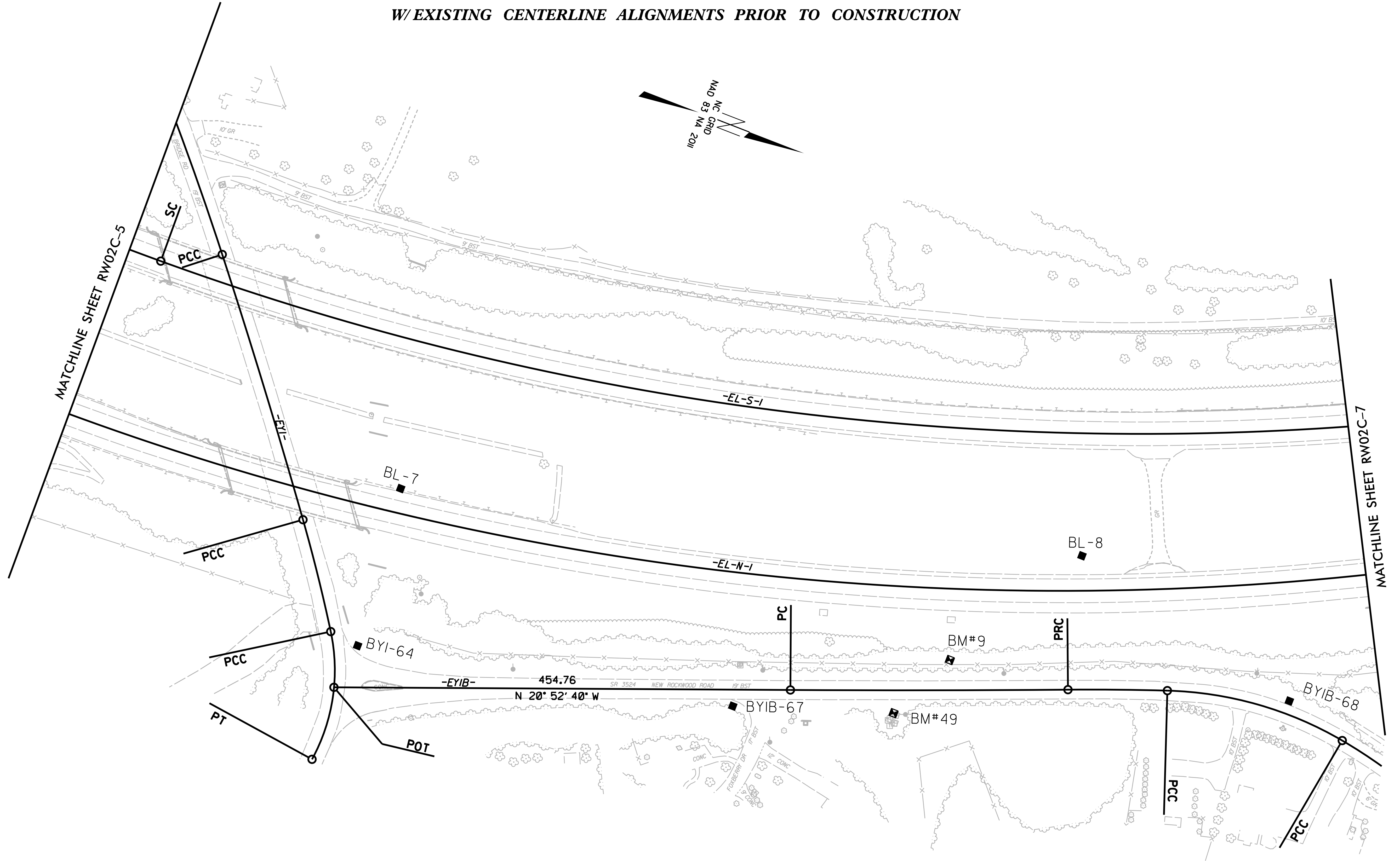
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REVISIONS



# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

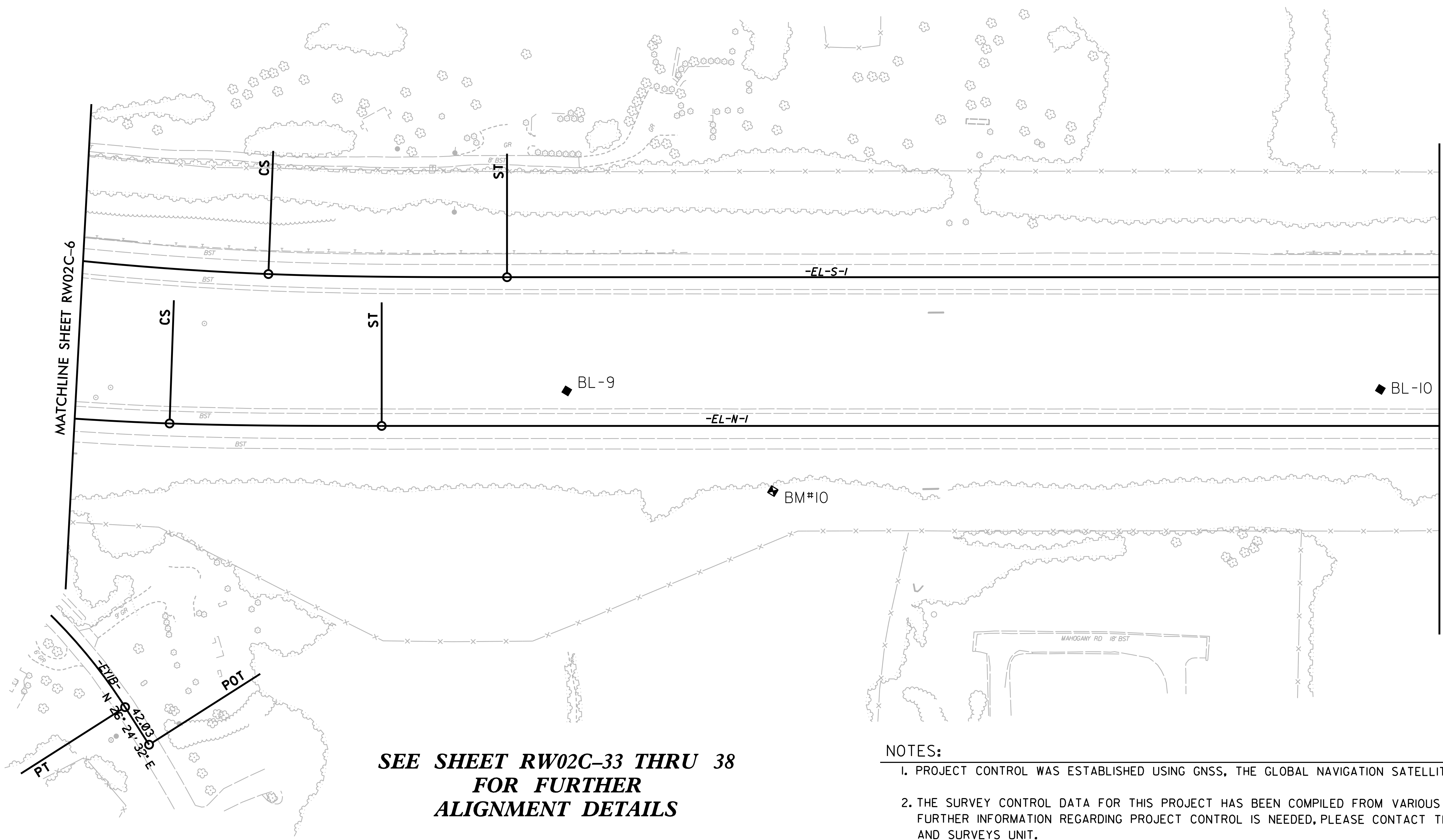
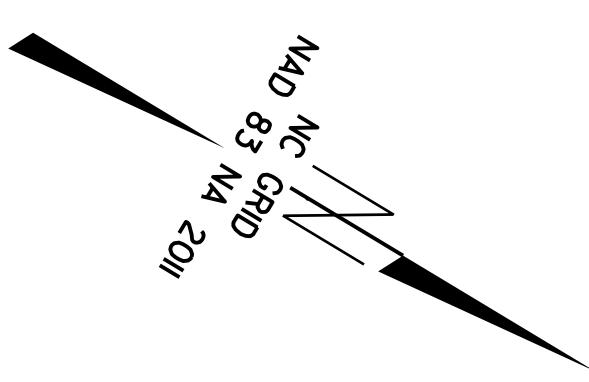
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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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REVISIONS

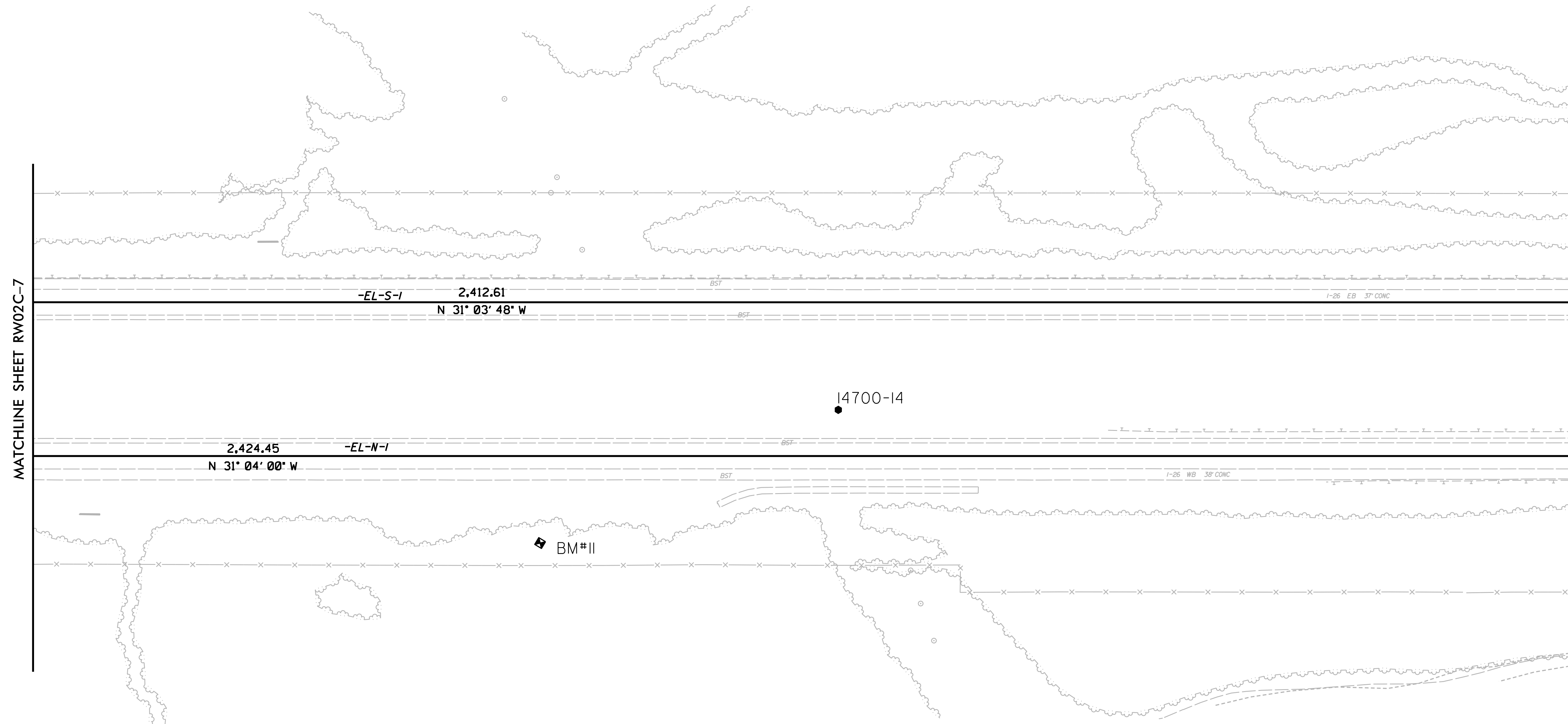
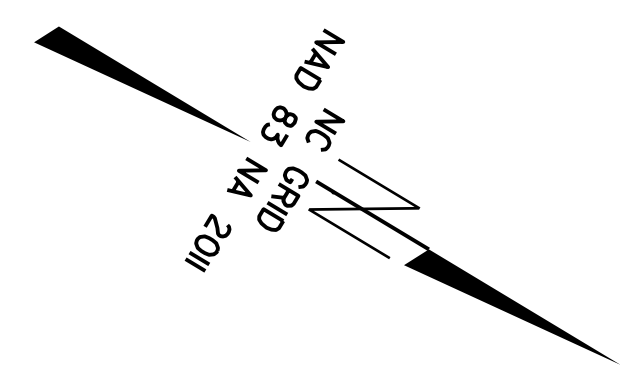
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-8
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



MATCHLINE SHEET RW02C-7

MATCHLINE SHEET RW02C-9

**SEE SHEET RW02C-33 THRU 38  
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REVISIONS

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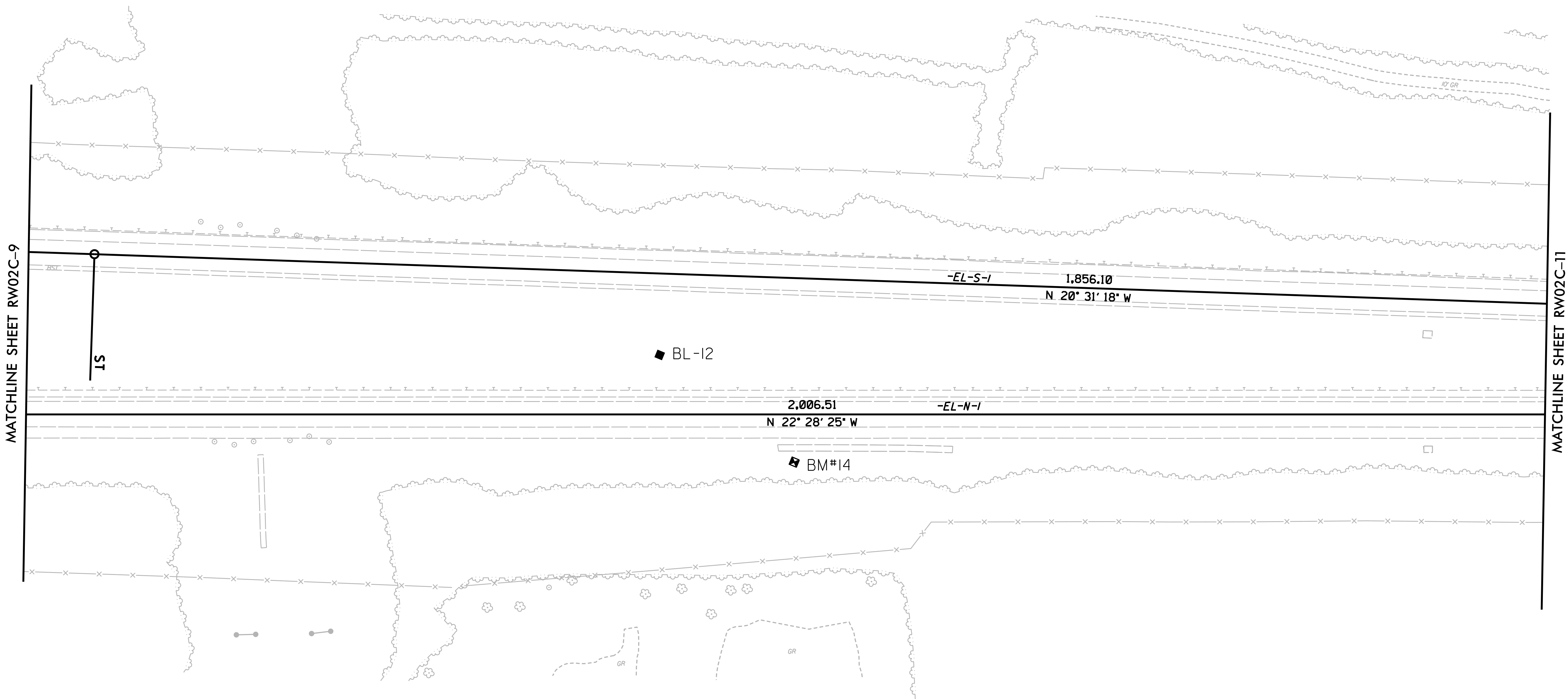
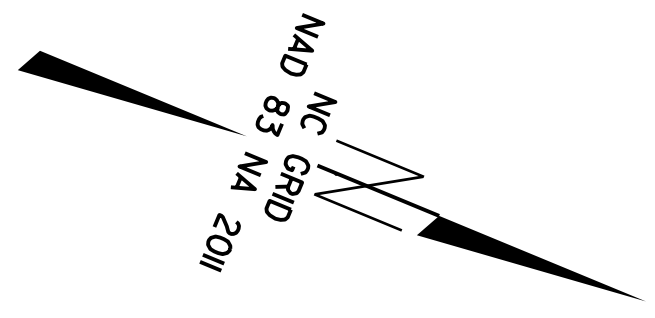




PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-10
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
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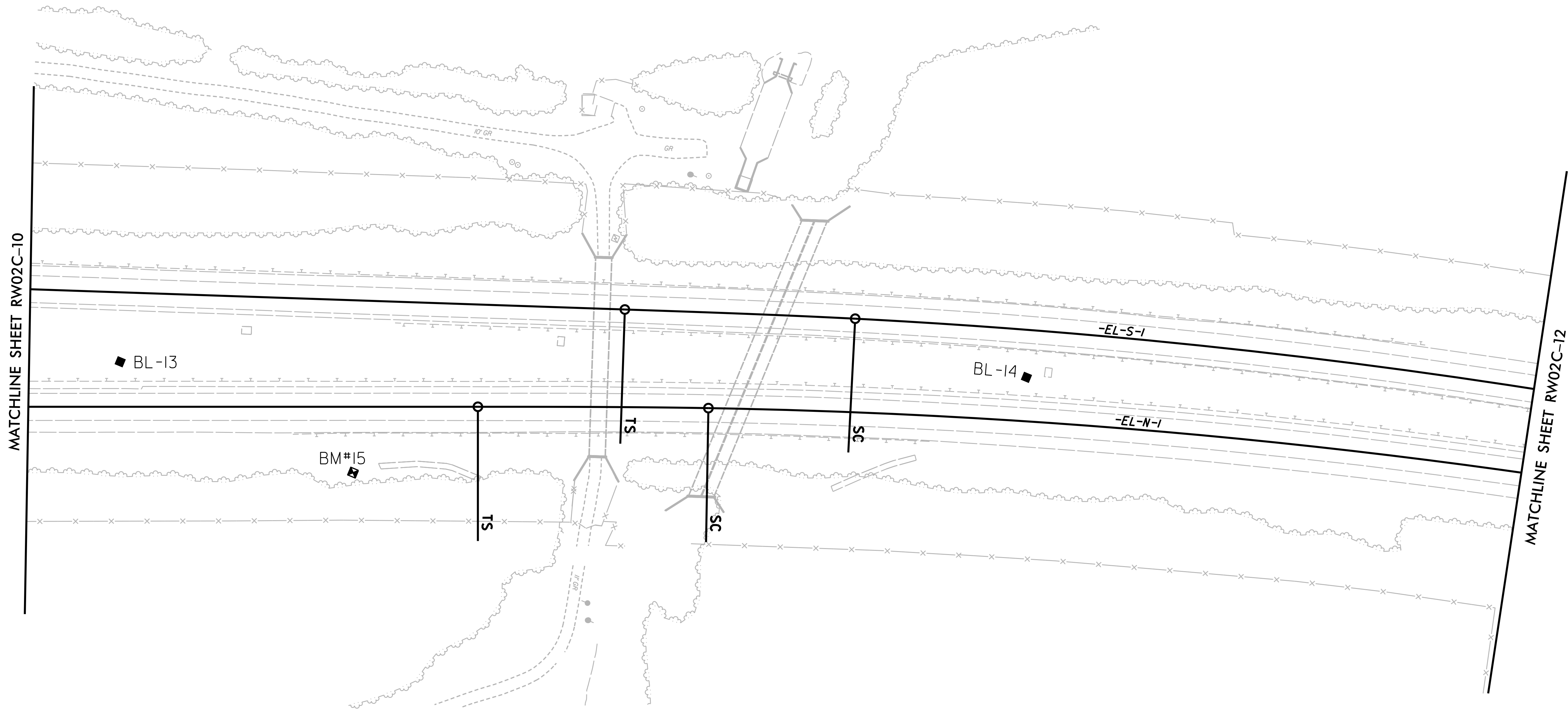
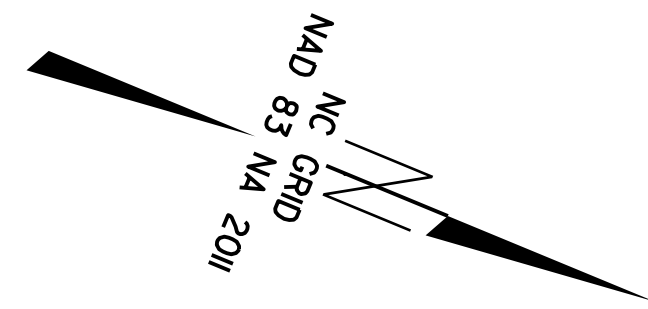
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# SURVEY CONTROL SHEET

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REVISIONS

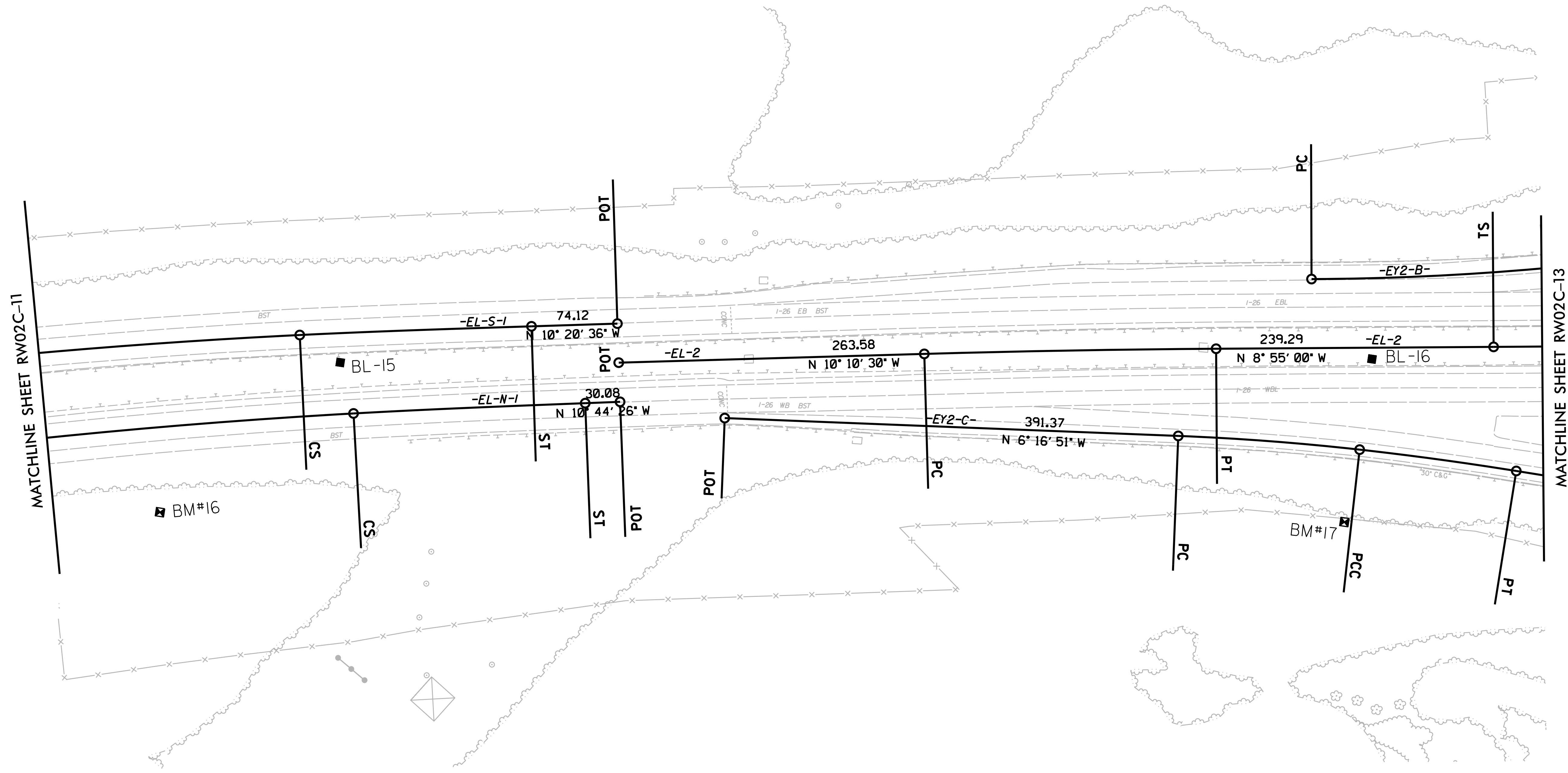
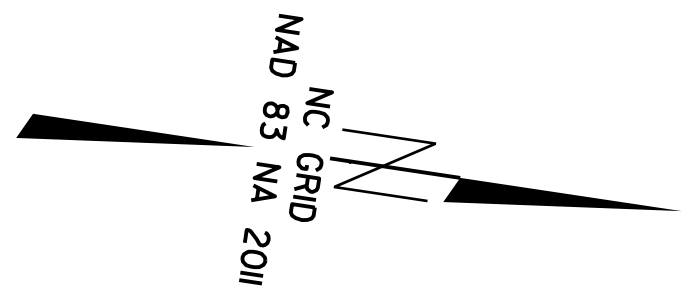
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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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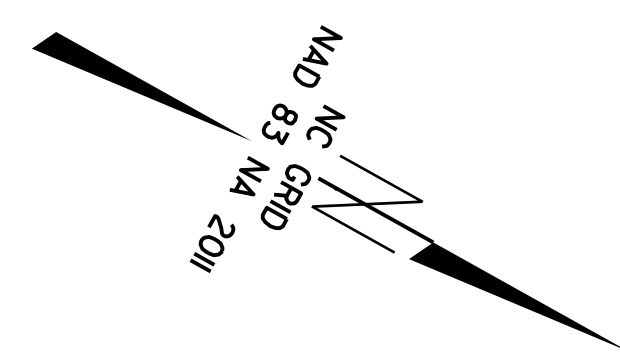
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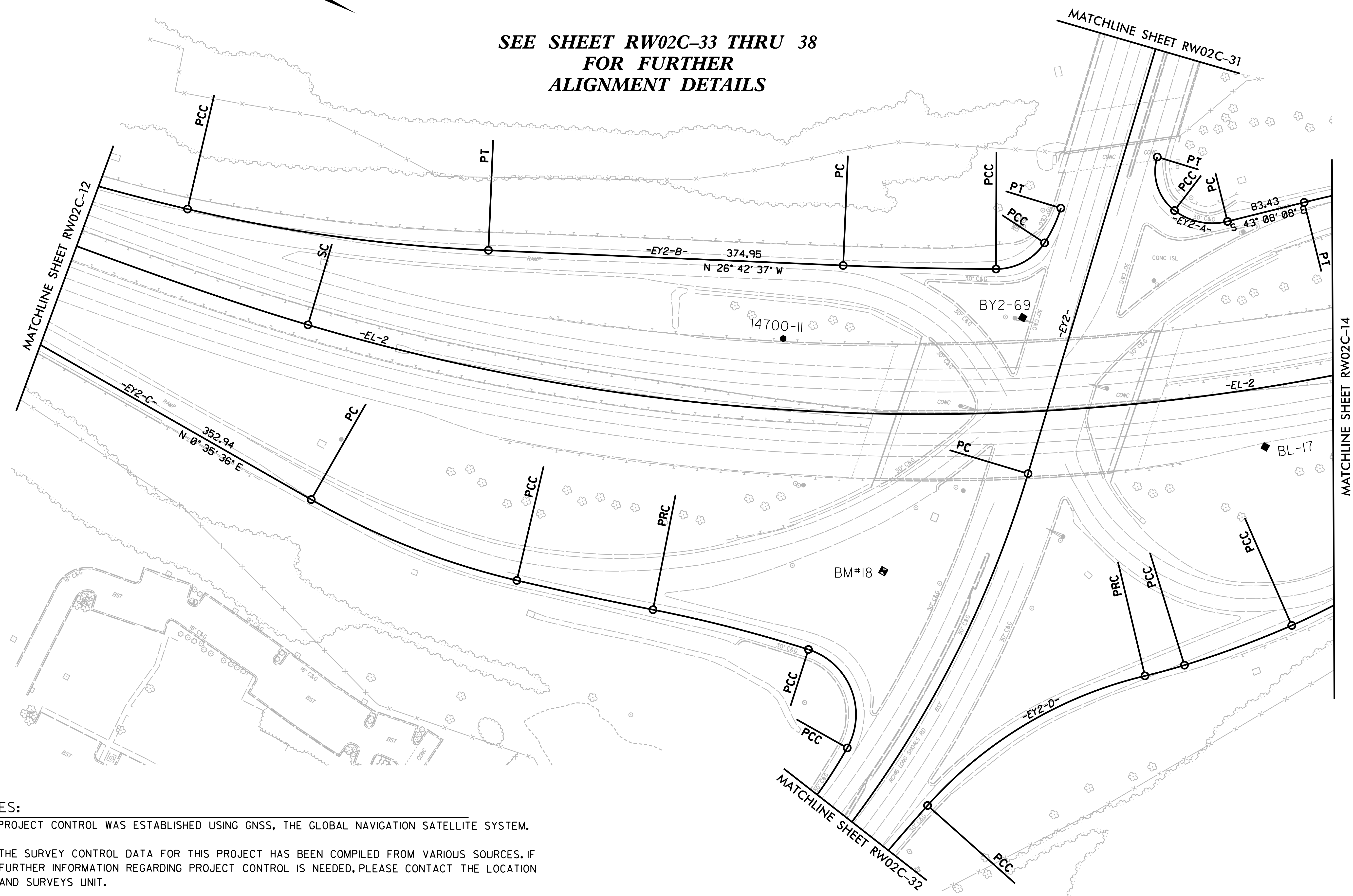
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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
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**NOTES:**

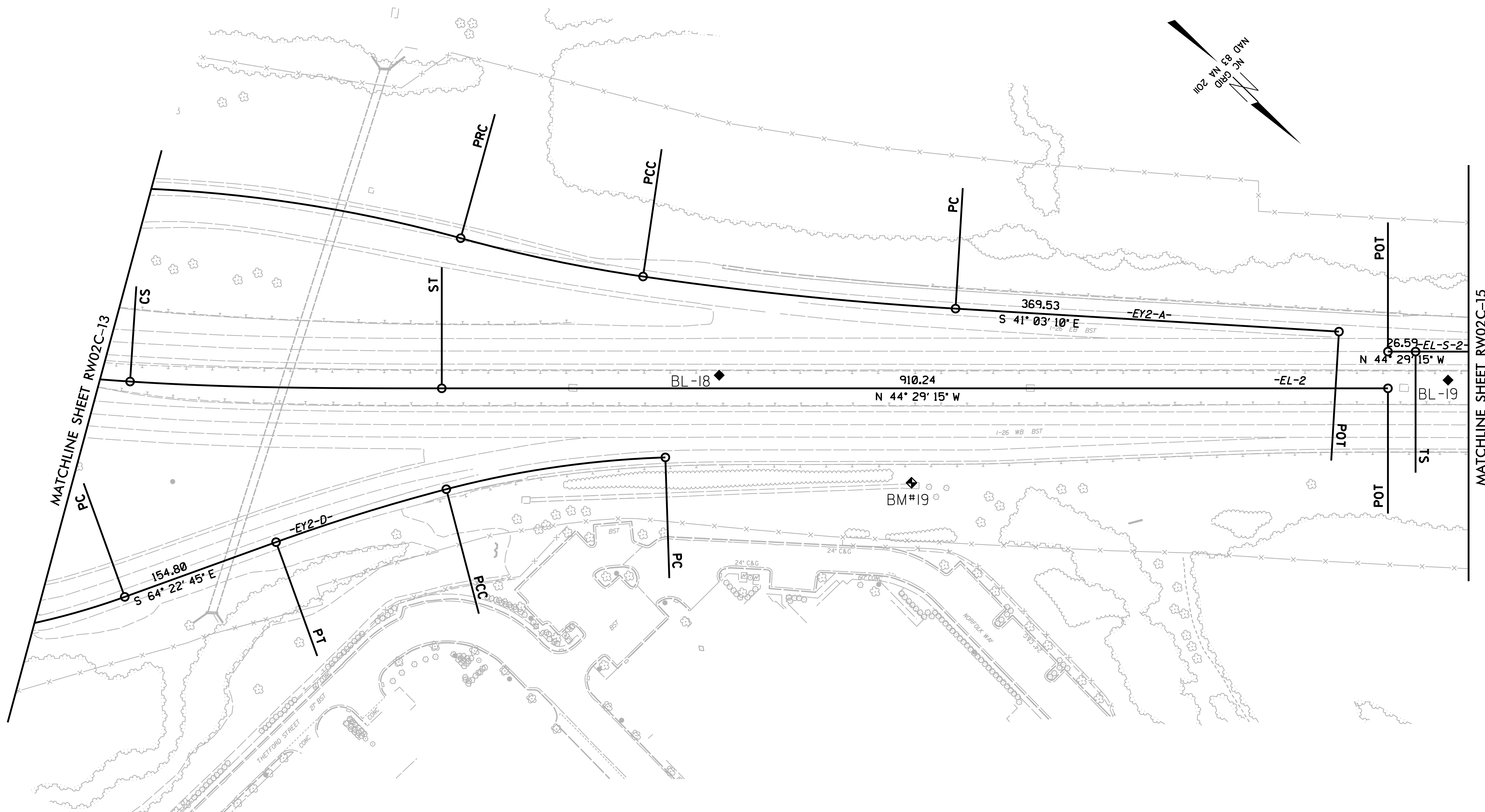
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-14
Location and Surveys	

# SURVEY CONTROL SHEET

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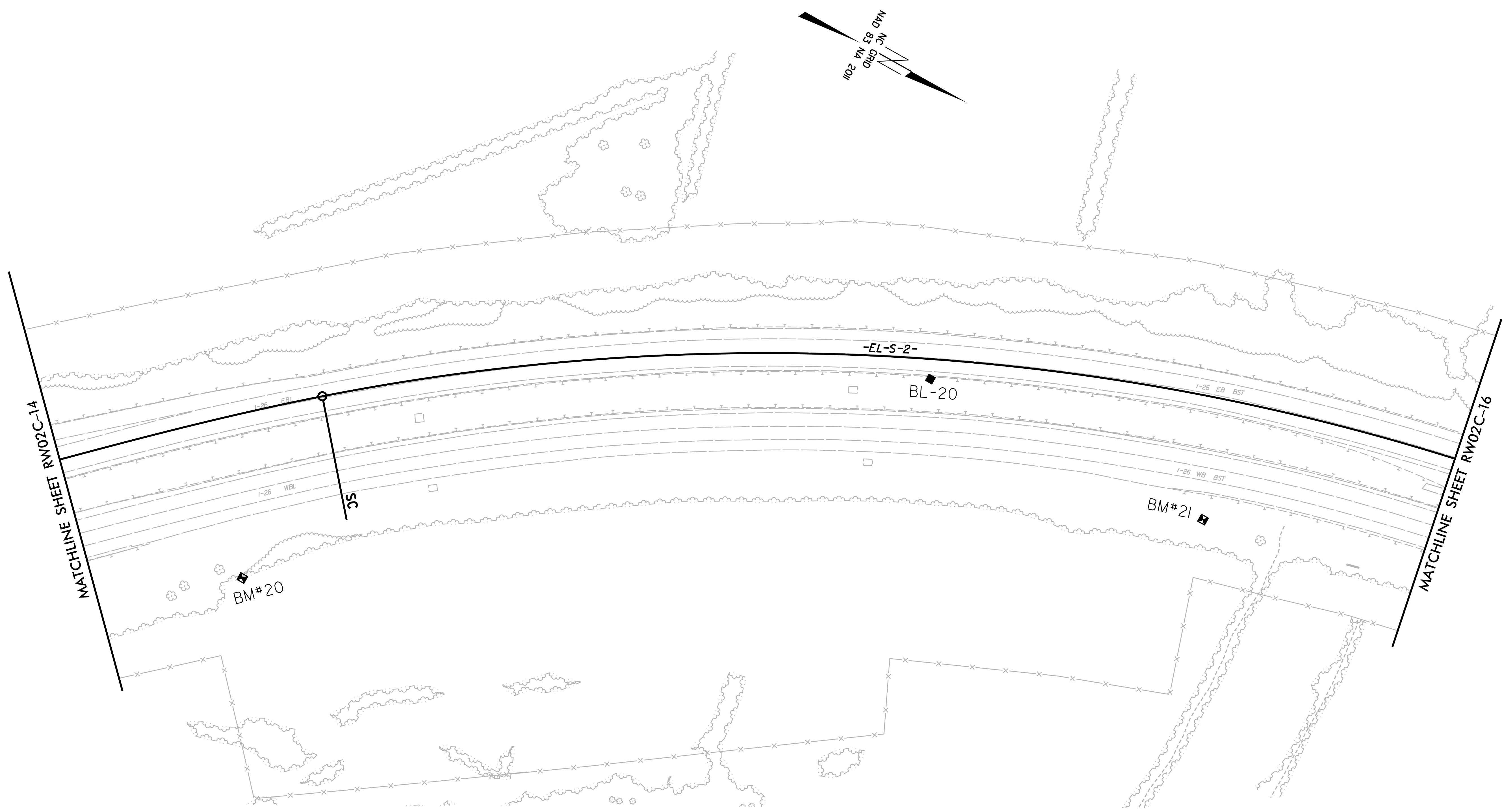
REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-15
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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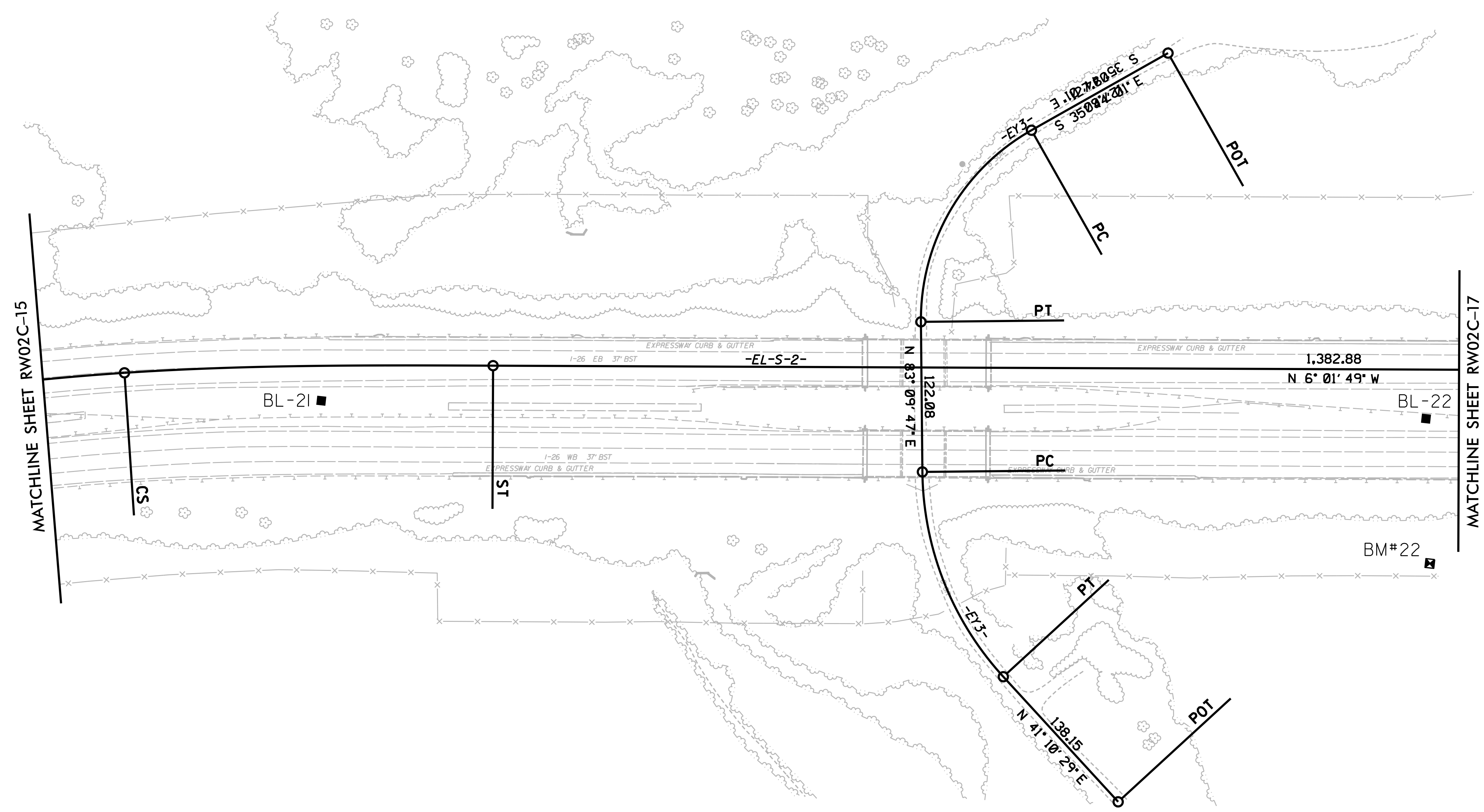
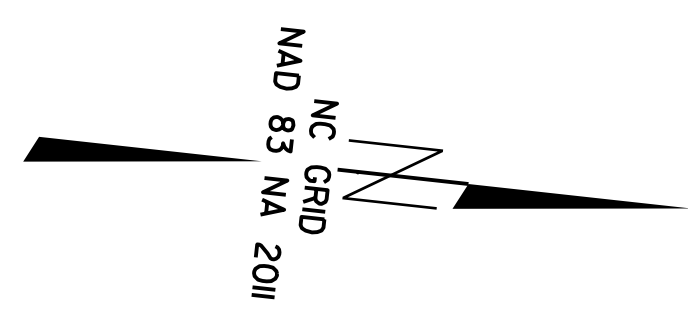
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REVISIONS

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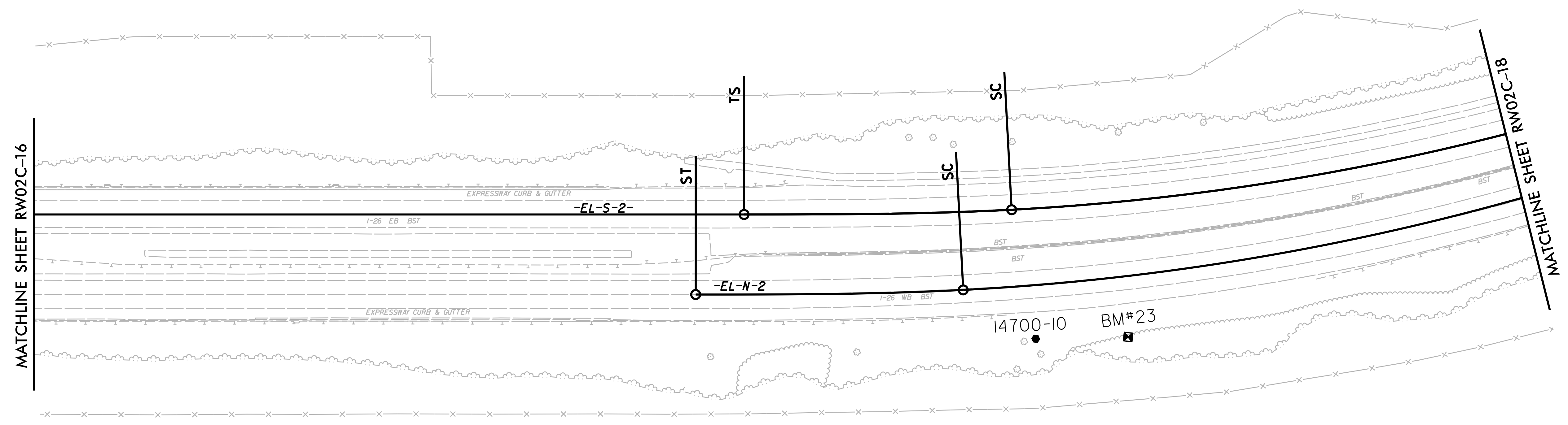
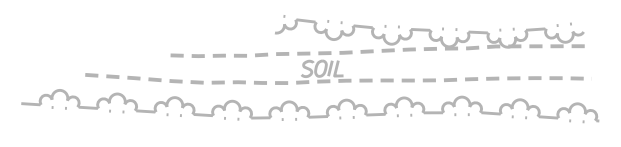
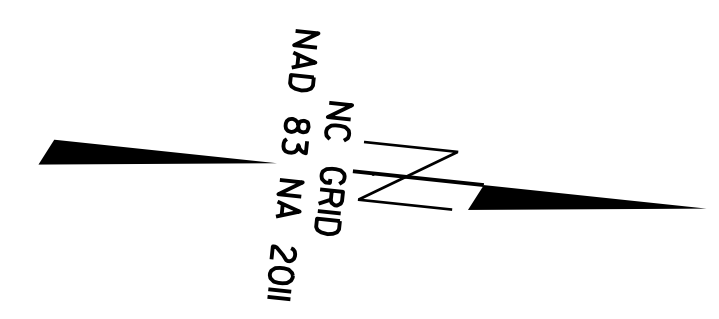
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-17
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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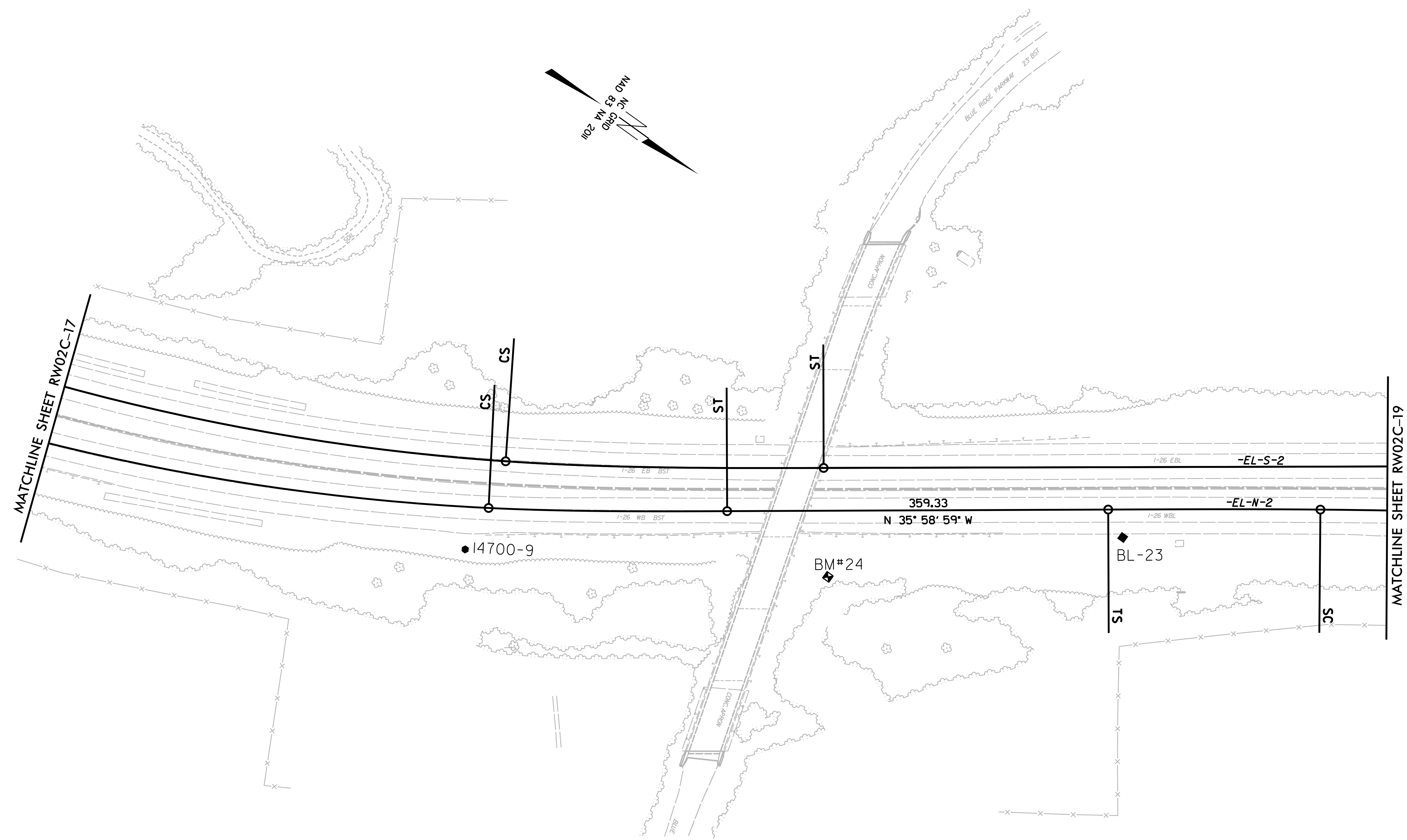
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-18
Location and Surveys	

# SURVEY CONTROL SHEET

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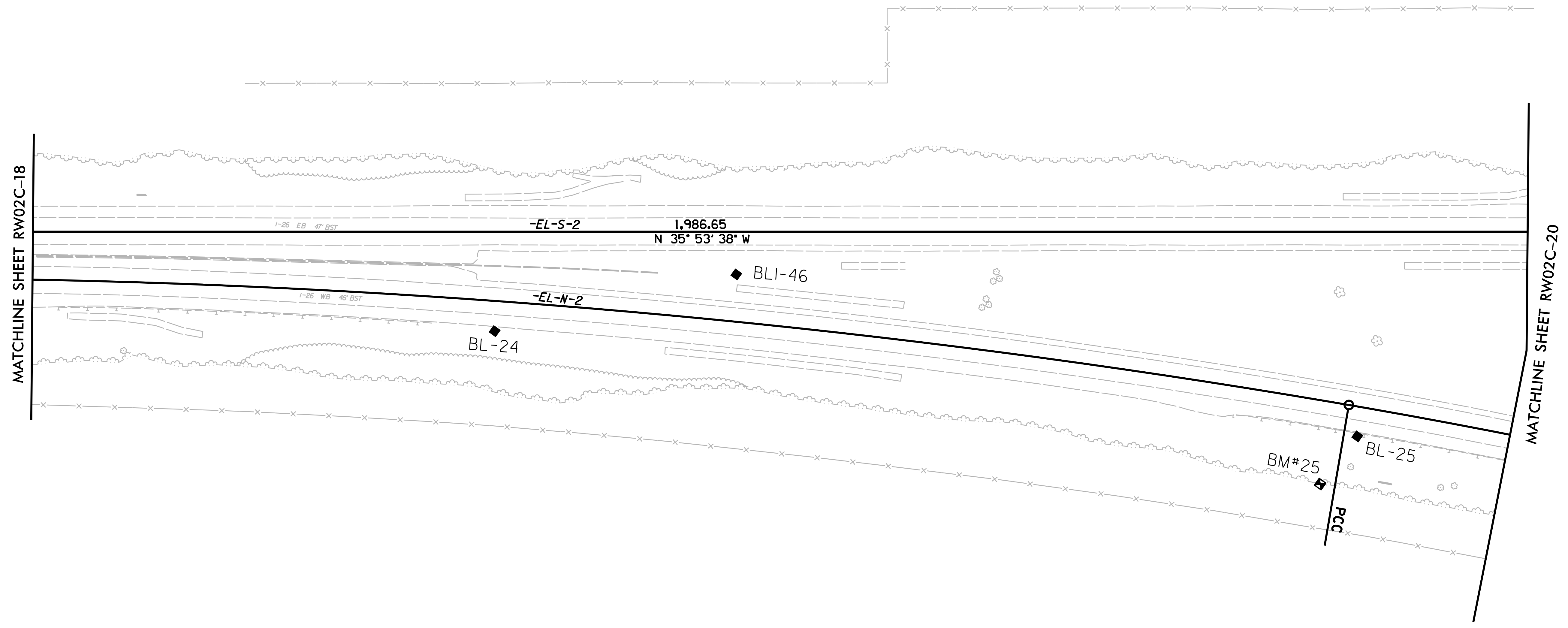
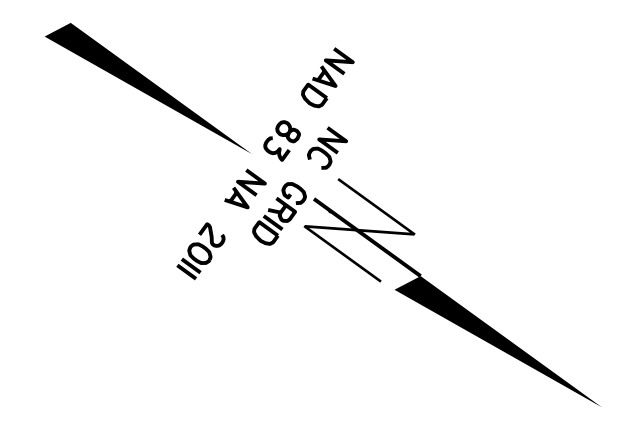
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 6/2/99

REVISIONS



# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**NOTES:**

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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REVISIONS

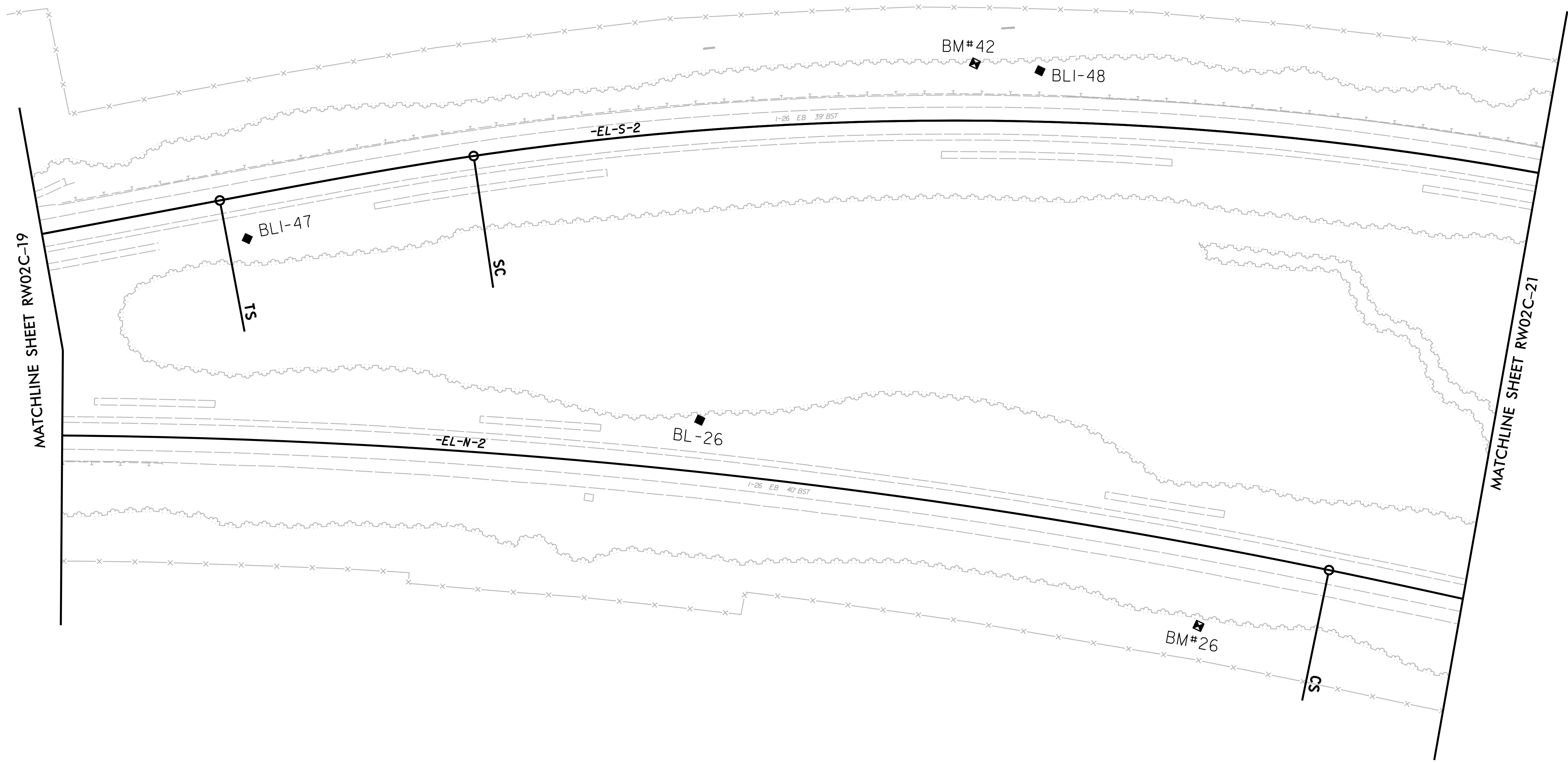
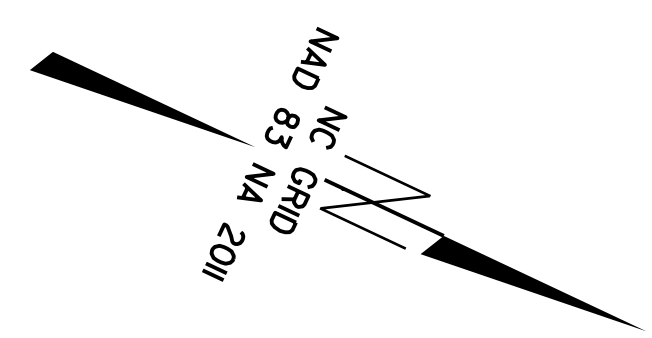
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-20
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

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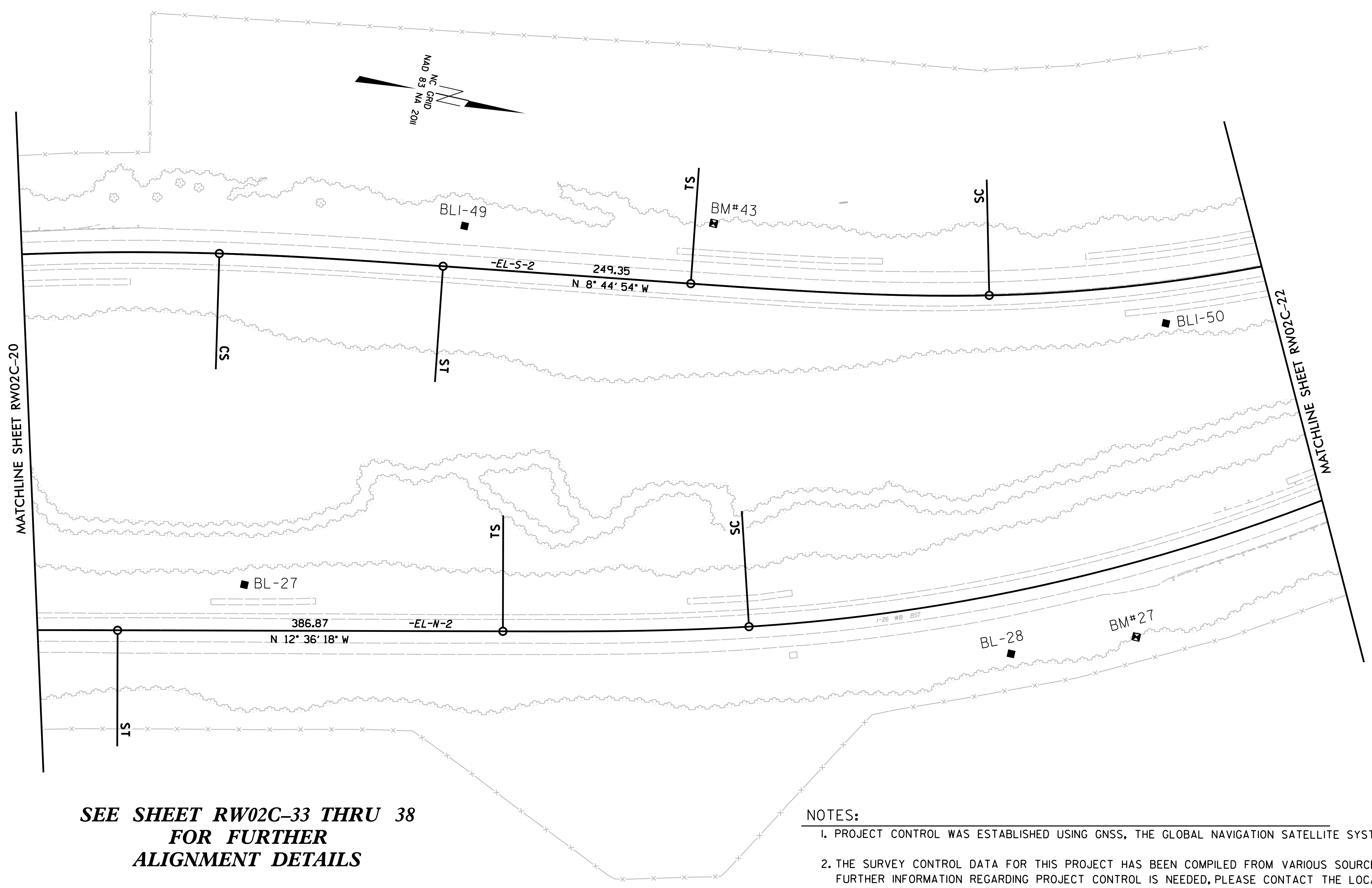
REVISIONS

6/2/99

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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

- NOTES:**
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6/2/99

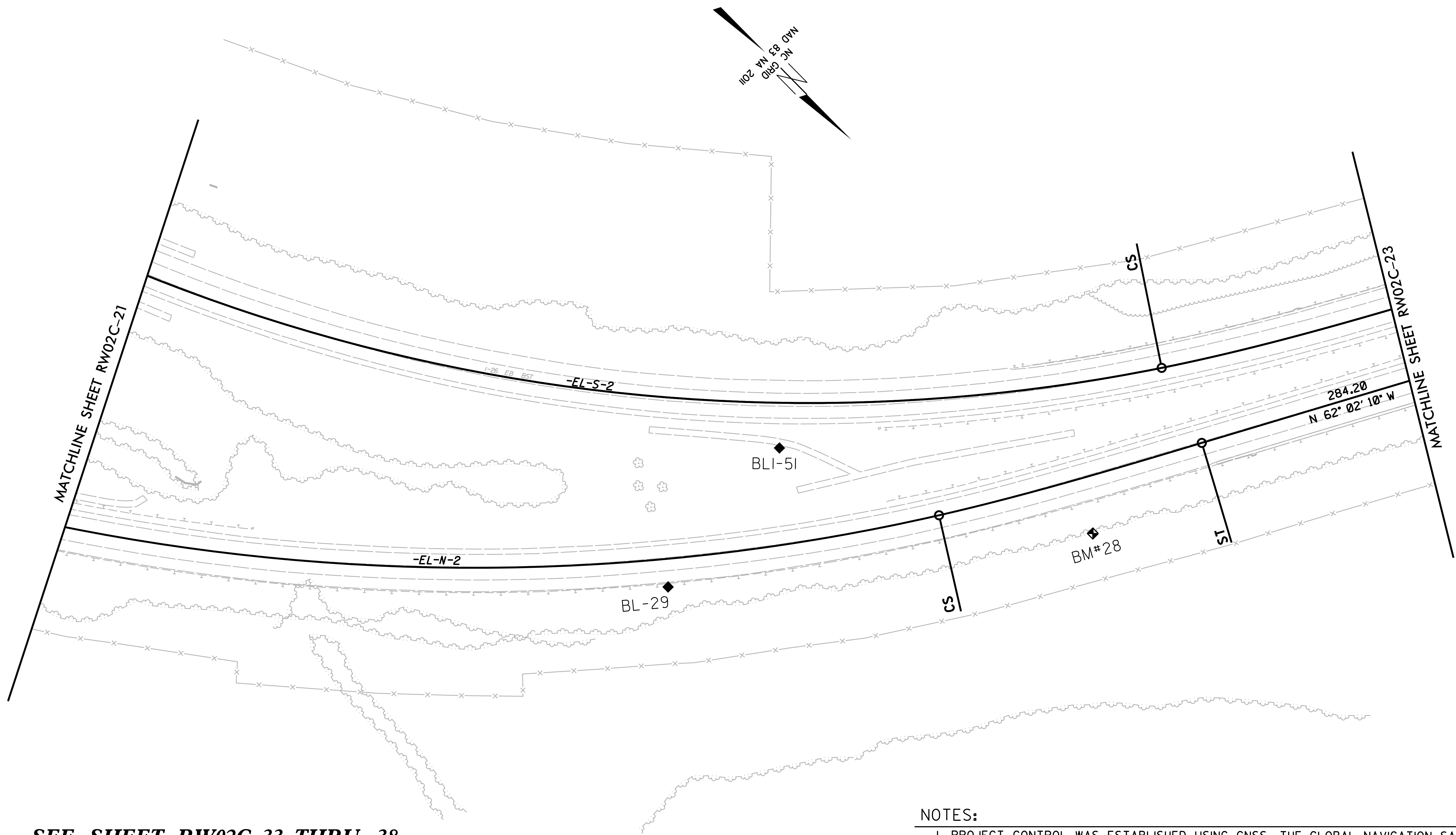
REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-22
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

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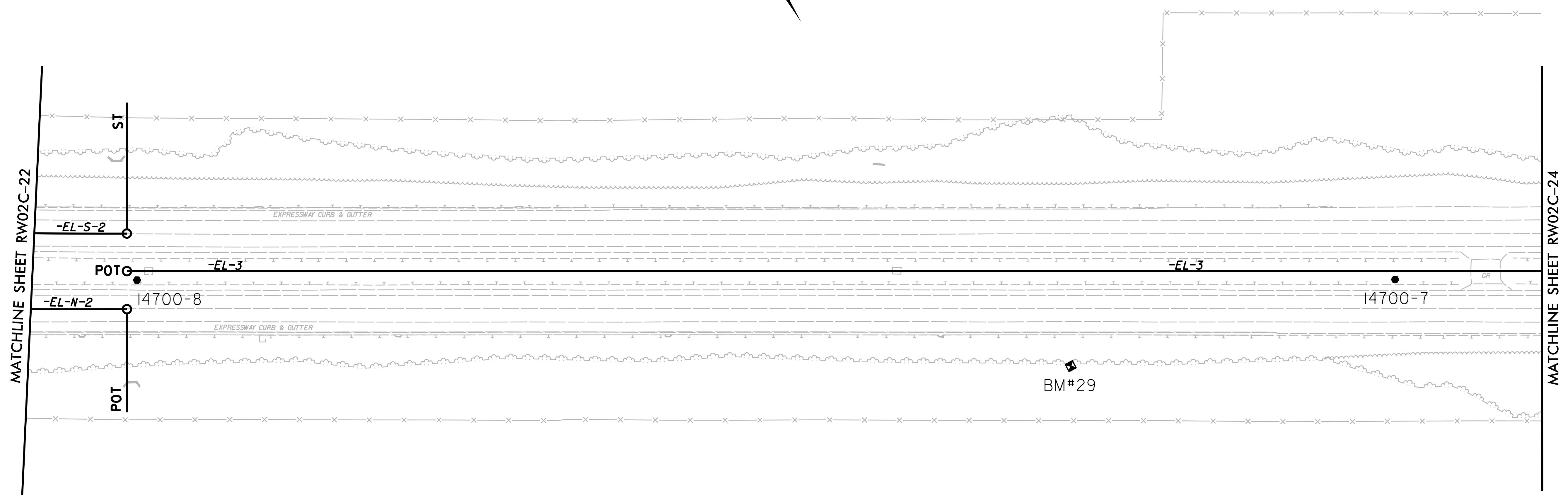
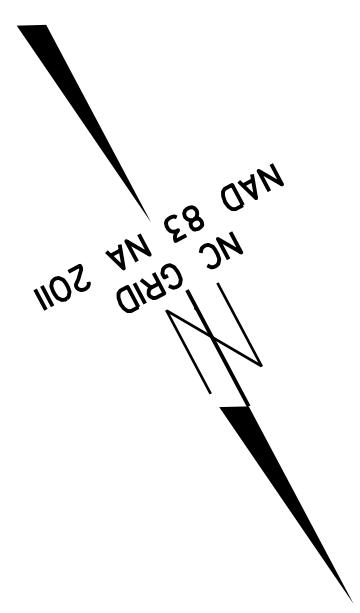
REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-23
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

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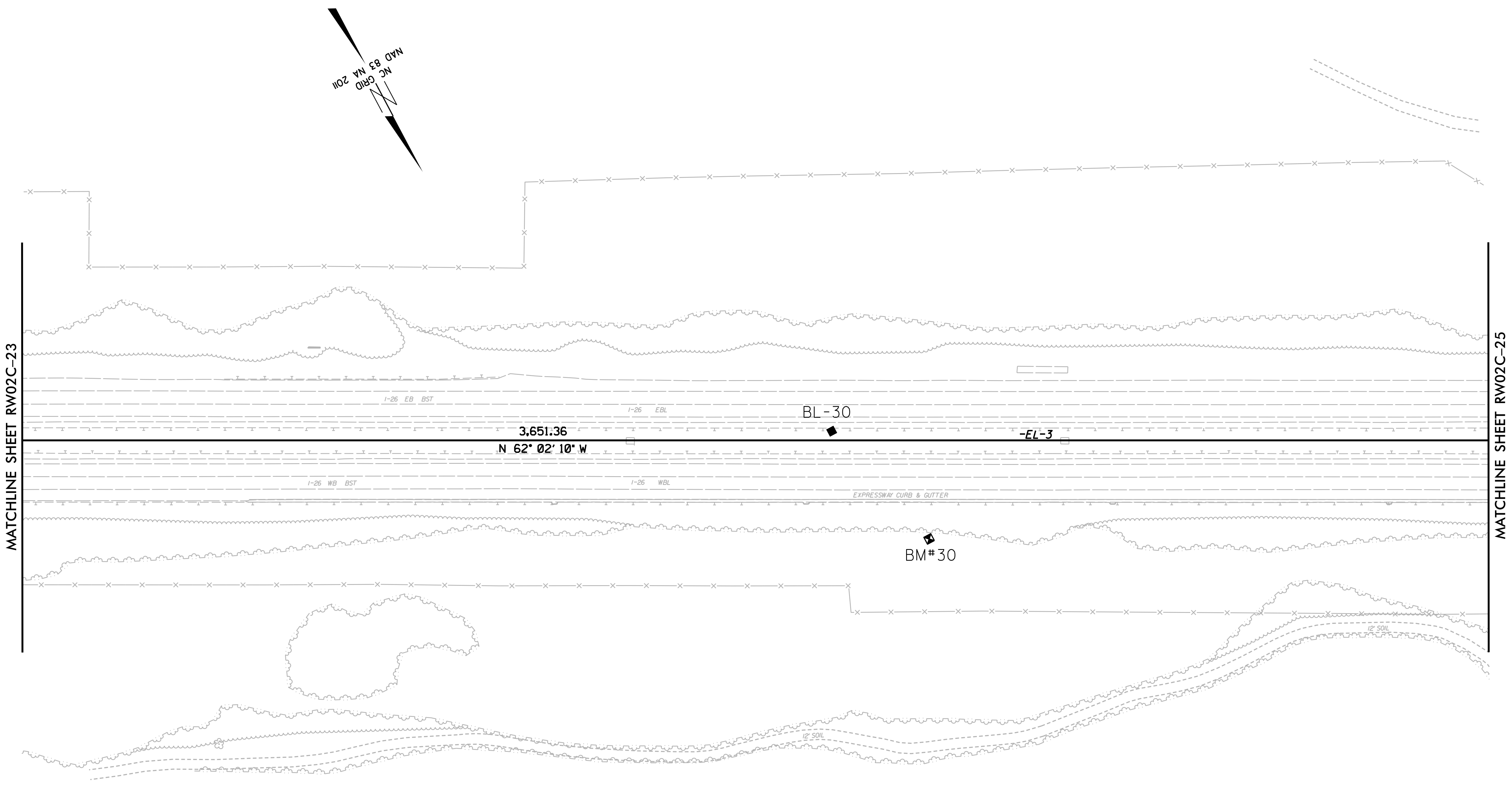
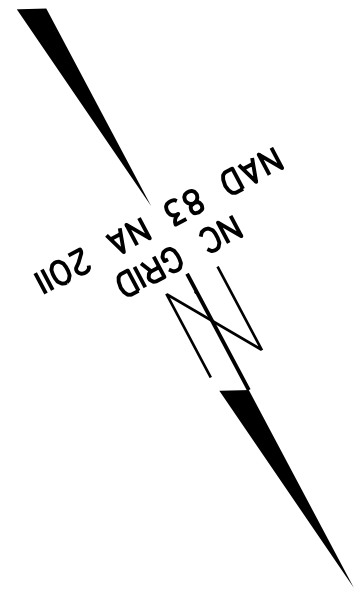
6/2/99

REVISIONS

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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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REVISIONS

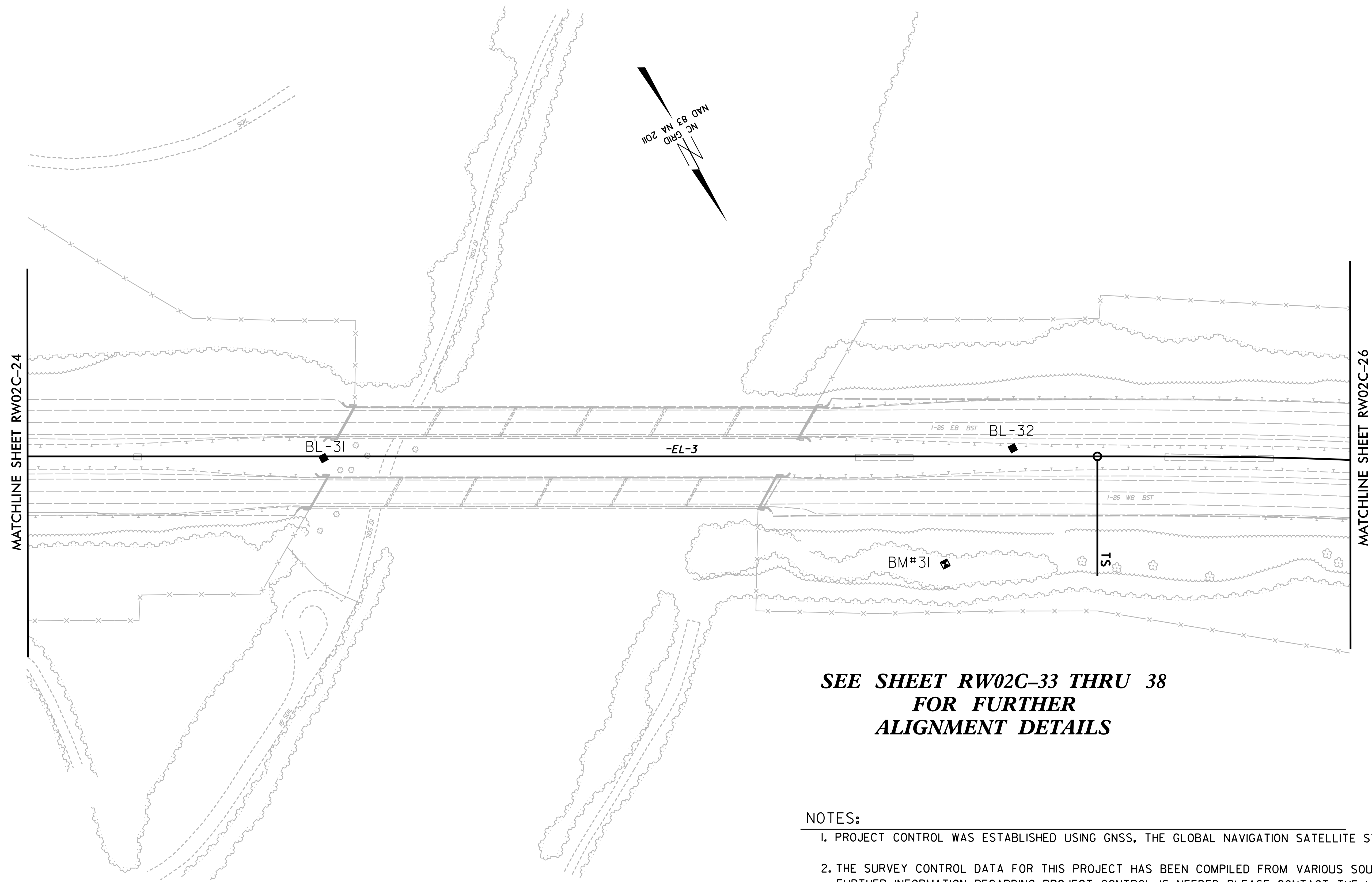
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-25
Location and Surveys	

# SURVEY CONTROL SHEET

*W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION*



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

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REVISIONS

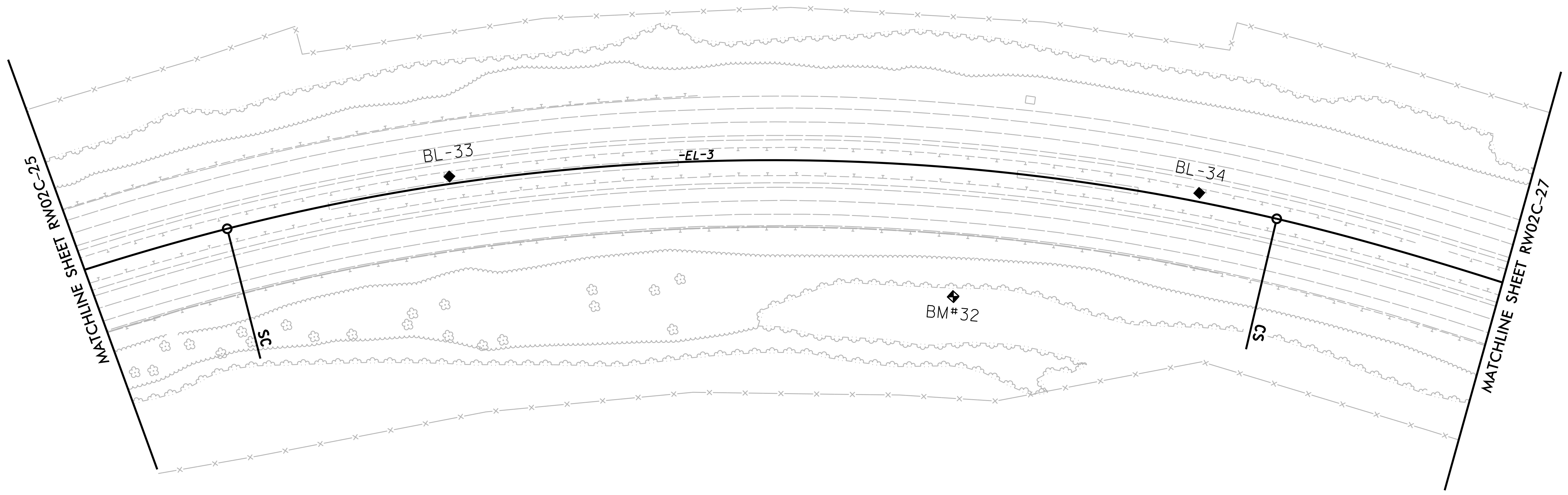
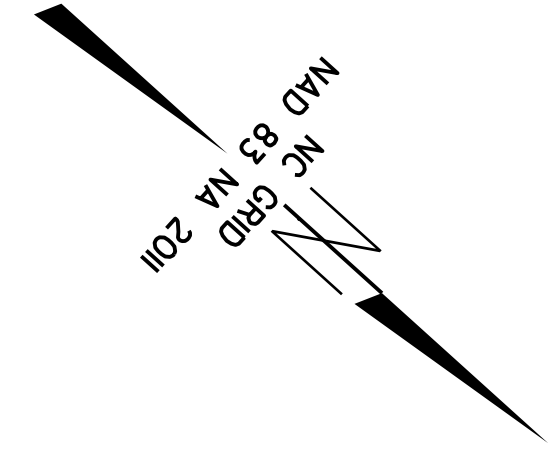
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-26
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

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REVISIONS

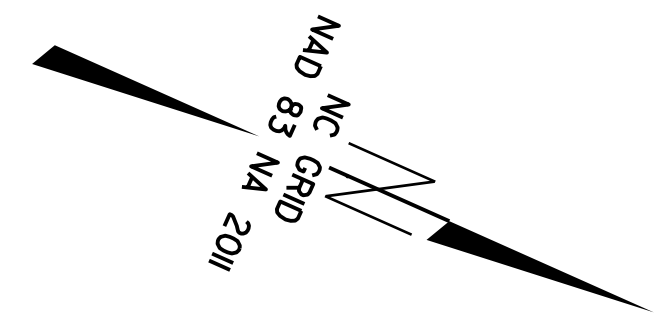
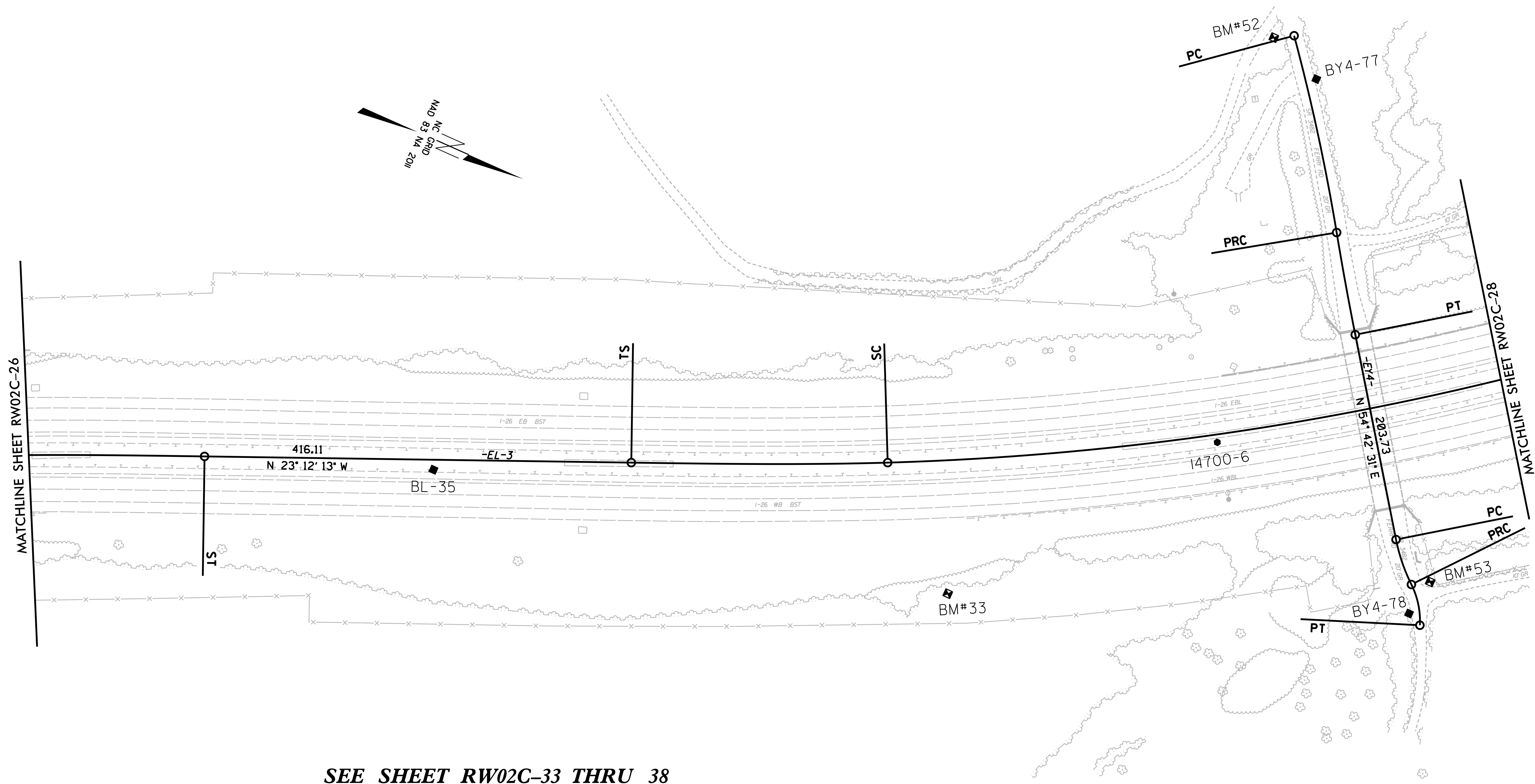
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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

**NOTES:**

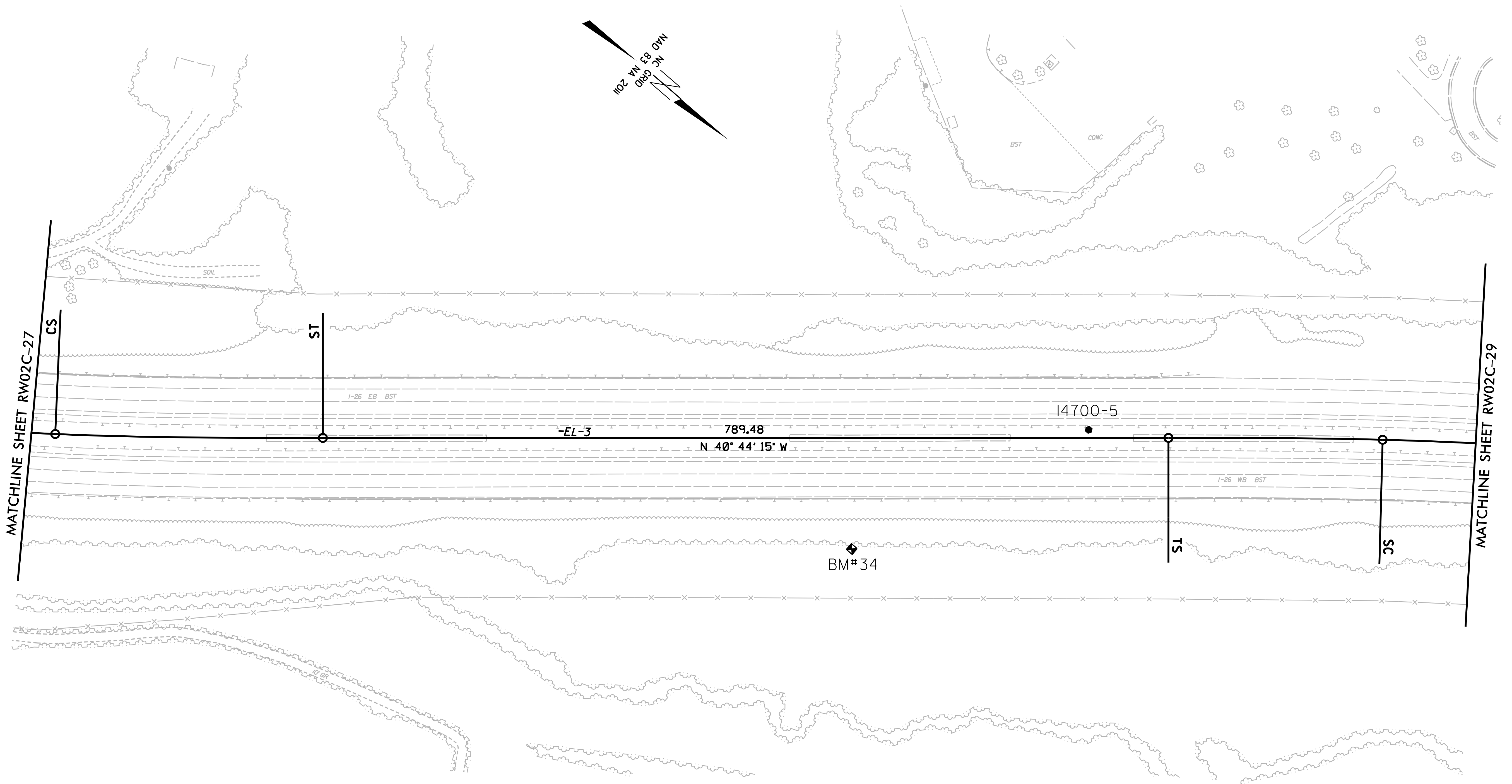
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REVISIONS

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6/2/19

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
FOR FURTHER  
ALIGNMENT DETAILS**

**NOTES:**

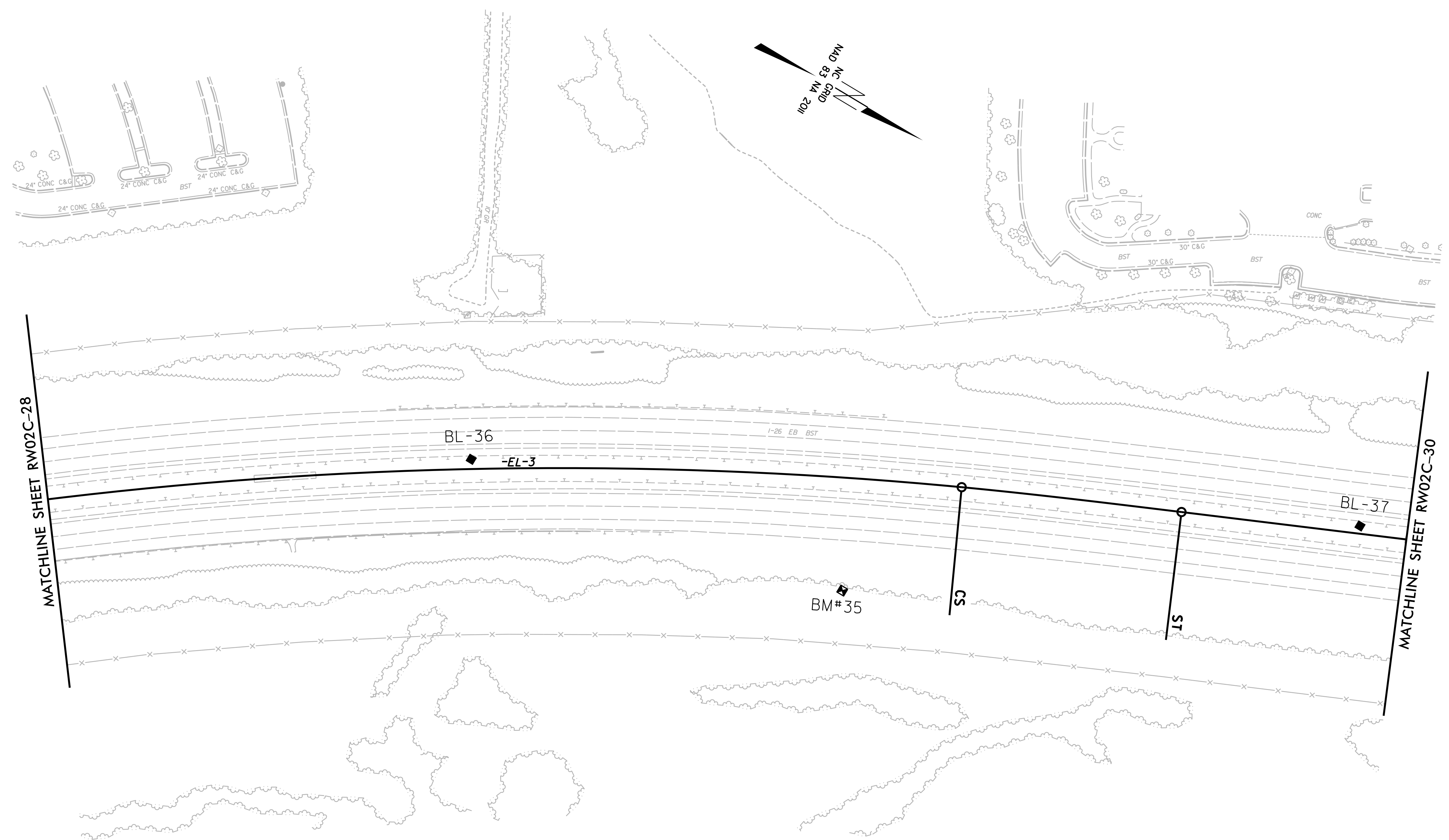
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 6/2/99

REVISIONS

# SURVEY CONTROL SHEET

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REVISIONS

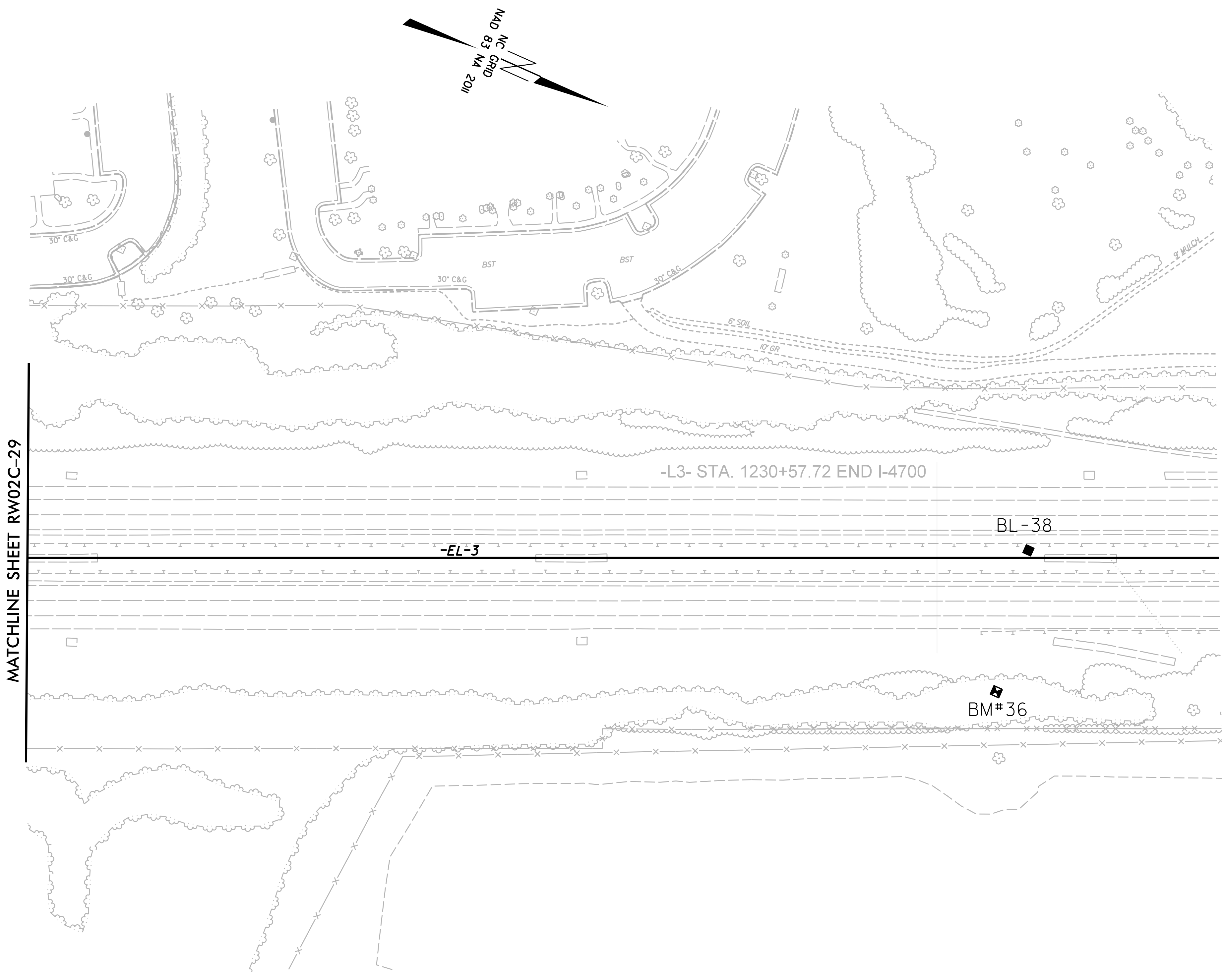
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-30
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
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REVISIONS

6/2/99

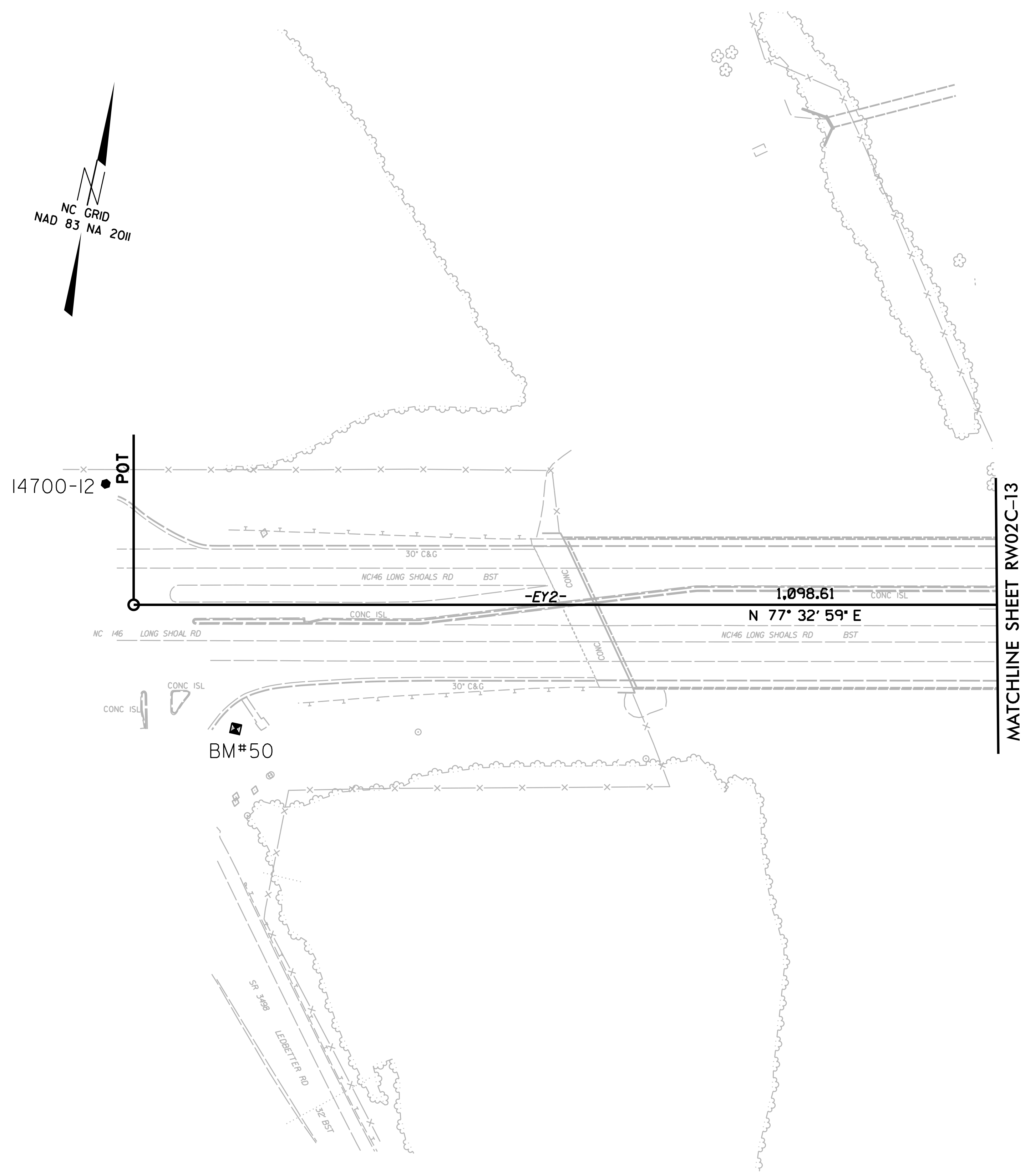
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PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW02C-31
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW02C-33 THRU 38  
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REVISIONS

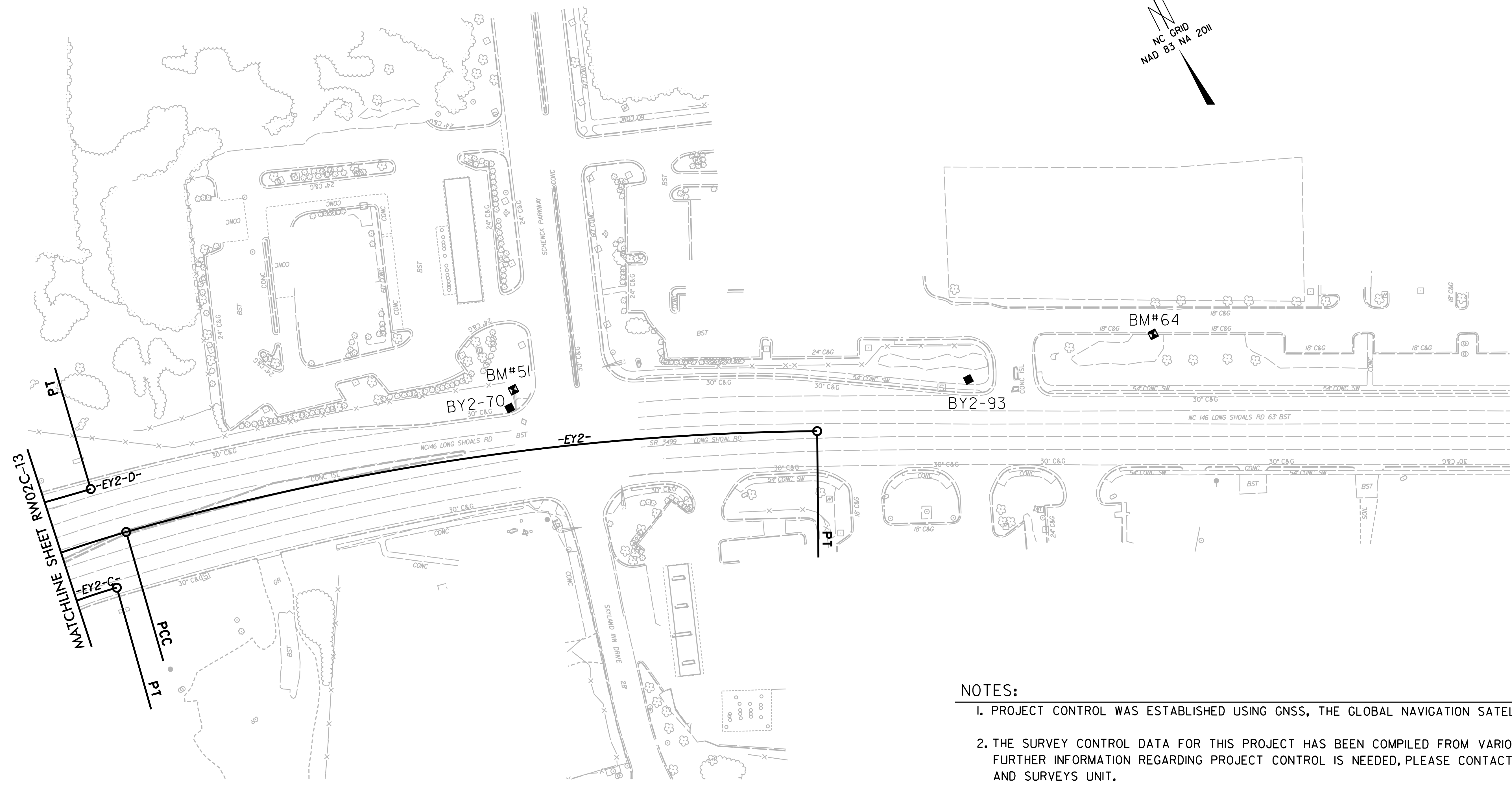
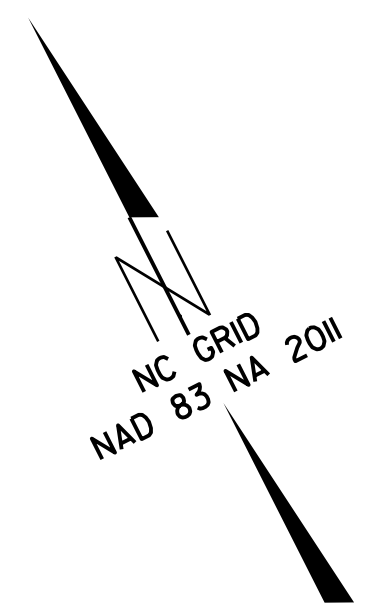
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# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

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FOR FURTHER  
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REVISIONS

6/2/19

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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BL - 1	633026.2868	947614.6421	2165.97
GPS18	14400	18	633662.5760	947255.3310	2175.49
GPS17	14700	17	634525.8290	946767.4610	2188.36
2		BL - 2	635258.8633	946403.8752	2186.52
3		BL - 3	636092.6238	946095.8457	2156.11
4		BL - 4	636697.3203	945862.3399	2130.52
5		BL - 5	637303.2525	945627.3656	2104.92
GPS16	14700	16	637912.9770	945392.4180	2096.81
GPS15	14700	15	638755.4760	945290.2280	2102.75
6		BL - 6	639476.1773	945327.7484	2090.58
7		BL - 7	640198.3860	945308.8631	2068.94
8		BL - 8	640855.4117	945125.7609	2058.70
9		BL - 9	641509.8658	944779.2311	2064.40
10		BL - 10	642166.1355	944382.2297	2053.23
GPS14	14700	14	642838.2990	943968.3350	2055.24
GPS13	14700	13	643695.1920	943473.3140	2076.97
11		BL - 11	644370.9236	943109.9389	2090.35
12		BL - 12	645117.1778	942813.4035	2089.37
13		BL - 13	645951.1305	942485.4605	2066.68
14		BL - 14	646682.8409	942197.4002	2063.51
15		BL - 15	647351.8424	942007.9373	2063.84
16		BL - 16	648231.1754	941873.0144	2054.83
GPS11	14700	11	649073.9310	941562.2690	2082.80
17		BL - 17	649573.9977	941414.1433	2095.97
18		BL - 18	650021.7512	940893.1605	2079.72
19		BL - 19	650525.2322	940405.1499	2055.52
20		BL - 20	651183.5200	939914.1406	2054.11
21		BL - 21	651868.0103	939733.8666	2058.28
22		BL - 22	652762.9056	939650.1957	2096.71
GPS10	14700	10	653633.8730	939623.2430	2145.24
GPS9	GPS	9	654405.1150	939314.3080	2176.90
23		BL - 23	654901.7598	938942.9443	2181.72
24		BL - 24	655440.3522	938577.7005	2172.21
25		BL - 25	656100.2950	938212.8138	2142.58
26		BL - 26	656704.7363	937884.6831	2120.22
27		BL - 27	657566.4394	937651.5968	2078.09
28		BL - 28	658332.5500	937549.2809	2055.19
29		BL - 29	659030.4715	936974.7940	2016.74
GPS8	14700	8	659394.7440	936262.6020	2019.95
GPS7	14700	7	659918.8750	935274.2660	2030.72
30		BL - 30	660316.0607	934492.1906	2025.42
31		BL - 31	660744.0528	933707.6338	2020.60
32		BL - 32	661050.1332	933110.7008	2028.62
33		BL - 33	661394.9006	932553.7874	2047.30
34		BL - 34	661887.3905	932128.4269	2066.09
35		BL - 35	662500.8385	931862.1020	2085.27
GPS6	14700	6	663187.9160	931526.4510	2106.91
GPS5	14700	5	664161.6630	930711.5100	2142.35
36		BL - 36	664753.1555	930257.3407	2158.34
37		BL - 37	665473.0497	929895.6540	2155.79
38		BL - 38	666231.2057	929559.0509	2148.82
39		BL - 39	667132.2591	929172.1977	2160.61
40		BL - 40	667973.3471	928796.7822	2188.26
41		BL - 41	668663.1466	928473.3103	2202.28
42		BL - 42	669231.5222	928221.3469	2197.38
GPS3	14700	3	669773.8030	927977.7600	2181.81
43		BL - 43	670585.8759	928028.7173	2147.39
44		BL - 44	671297.6255	928136.0591	2119.19
45		BL - 45	672061.7054	928198.6500	2087.95

BL1	POINT	DESC.	NORTH	EAST	ELEVATION
46		BL1-46	655581.3823	938414.9049	2169.21
47		BL1-47	656279.8273	937909.6310	2132.24
48		BL1-48	656843.5188	937482.2089	2102.73
49		BL1-49	657702.6214	937251.5903	2066.19
50		BL1-50	658410.8925	937191.4614	2040.55
51		BL1-51	659011.4660	936812.6657	2015.34

BY	POINT	DESC.	NORTH	EAST	ELEVATION
52		BY-52	633586.4286	946998.6223	2189.08
53		BY-53	634518.4748	947207.1792	2229.82

BYA	POINT	DESC.	NORTH	EAST	ELEVATION
54		BYA-54	634016.1399	947501.7318	2208.11
55		BYA-55	634363.8193	947367.9717	2222.41
56		BYA-56	634706.2267	947562.7901	2231.49

BYB	POINT	DESC.	NORTH	EAST	ELEVATION
58		BYB-58	636432.6281	946238.8325	2169.23
59		BYB-59	636737.5729	945971.7489	2137.38
60		BYB-60	637234.8056	945777.3490	2096.07
61		BYB-61	637614.5649	945734.6626	2090.64
62		BYB-62	638044.1124	945568.4291	2137.32

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
63		BY1-63	639844.6449	945013.3008	2048.70
64		BY1-64	640215.0621	945470.3973	2059.00

BY1A	POINT	DESC.	NORTH	EAST	ELEVATION
65		BY1A-65	637647.7781	945325.0259	2075.04
66		BY1A-66	638133.3243	945080.3772	2076.68

BY1B	POINT	DESC.	NORTH	EAST	ELEVATION
Y64		BY1-64	640215.0621	945470.3973	2059.00
67		BY1B-67	640585.3006	945391.3420	2075.58
68		BY1B-68	641100.3828	945185.9641	2084.38

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
GPS12	14700	12	649214.1030	940449.2250	2044.23
69		BY2-69	649283.8655	941419.6382	2061.37
70		BY2-70	649317.8914	942402.2503	2121.52

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
77		BY4-77	663131.7558	931163.5017	2105.61
78		BY4-78	663426.7065	931602.7776	2080.46

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REVISIONS

6/2/99

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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 07°01'02.0" W	224.95						03°00'17.1"(L T)	224.98	150.01	75.01
SC	653568.958	939588.752	N 20°59'57.6" W	890.40	23°57'28.4"(L T)	02°40'16.1"	896.92	455.11	2145.00				
CURVE	654400.220	939269.671											
CS	654584.532	939140.704	N 34°58'53.3" W	224.95						03°00'17.1"(L T)	224.98	150.01	75.01
SPIRAL													
ST	654075.299	938929.580	N 35°56'58.9" W	359.33									
LINE													
TS			N 35°43'58.5" W	200.11						00°45'01.5"(R T)	200.11	133.41	66.70
SPIRAL													
SC	655037.737	938812.716	N 30°41'23.0" W	1210.17	09°05'08.9"(R T)	00°45'00.0"	1211.44	606.99	7639.44				
CURVE	656078.416	938195.058											
PCC	657257.527	937769.049	N 19°51'52.7" W	1253.71	12°33'51.8"(R T)	01°00'00.6"	1256.22	630.64	5728.59				
CURVE													
CS	657452.405	937724.359	N 12°54'57.0" W	199.94						00°59'59.5"(R T)	199.94	133.30	66.65
SPIRAL													
ST	657829.954	937639.932	N 12°36'18.4" W	386.87									
LINE													
TS			N 13°50'27.4" W	247.13						03°42'27.7"(L T)	247.18	164.82	82.43
SPIRAL													
SC	658069.912	937580.810	N 37°17'59.0" W	1368.05	41°58'26.0"(L T)	03°00'00.0"	1399.13	732.63	1909.86				
CURVE													
PCC	659158.165	936751.791	N 60°47'10.8" W	249.91						03°44'57.8"(L T)	249.96	166.68	83.35
CURVE													
CS	659280.140	936533.666	N 62°02'09.9" W	284.20									
SPIRAL													
ST	659413.405	936282.649											
LINE													
POT													

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	633389.792	946877.384							
CURVE			N 18°41'10.2" E	214.91	05°35'57.7"(R T)	02°36'15.7"	215.00	107.59	2200.00
PCC	633593.378	946946.239							
CURVE			N 21°29'09.0" E	1072.01					
PCC	634590.889	947338.885							
POT									

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	633019.487	947567.759							
CURVE			N 33°27'21.7" W	145.67	05°17'03.6"(L T)	03°37'34.7"	145.72	72.91	1580.00
PCC	633141.021	947487.452							
CURVE			N 37°29'10.9" W	104.65	02°46'34.8"(L T)	02°39'09.3"	104.67	52.34	2160.00
PCC	633224.064	947423.762							
CURVE			N 41°16'44.4" W	130.06	04°48'32.2"(L T)	03°41'47.4"	130.09	65.09	1550.00
PCC	633321.802	947337.960							
CURVE			N 43°41'00.5" W	401.81					
PCC	633612.375	947060.443							
CURVE			N 56°05'55.7" W	33.97	24°49'50.5"(L T)	72°31'34.7"	34.24	17.39	79.00
PCC	633631.322	947032.248							
CURVE			N 68°30'51.0" W	66.13					
PCC	633655.545	946970.710							
POT									

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	633735.721	947896.321							
CURVE			N 59°23'28.6" W	199.02	17°28'56.3"(R T)	08°45'00.0"	199.80	100.68	654.81
PCC	633837.059	947725.028							
CURVE			N 50°39'00.4" W	65.81					
PCC	633878.787	947674.137							
CURVE			N 47°39'13.4" W	149.50	05°59'34.1"(R T)	04°00'24.1"	149.57	74.85	1430.00
PCC	633979.492	947563.642							
CURVE			N 36°52'15.0" W	101.61	15°34'22.5"(R T)	15°16'43.9"	101.92	51.28	375.00
PCC	634060.780	947502.674							
CURVE			N 29°05'03.8" W	167.45					
PCC	634207.112	947421.279							
CURVE			N 23°22'11.5" W	77.67	11°25'44.6"(R T)	14°41'28.4"	77.80	39.03	390.00
PCC	634278.407	947390.472							
CURVE			N 08°42'52.3" W	27.97	17°52'53.7"(R T)	63°39'43.1"	28.09	14.16	90.00
PCC	634306.058	947386.233							
CURVE			N 12°09'22.0" E	121.96	23°51'34.9"(R T)	19°25'20.3"	122.85	62.33	295.00
PCC	634425.285	947411.916							
CURVE			N 24°48'10.3" E	140.14	01°26'01.8"(R T)	01°01'23.3"	140.14	70.07	5600.00
PCC	634552.496	947470.703							
CURVE			N 25°31'11.2" E	380.17					
PCC	634895.573	947634.488							
POT									

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	633175.372	947599.721							
CURVE			N 24°44'23.8" W	186.38	08°50'03.2"(R T)	04°44'06.7"	186.57	93.47	1210.00
PCC	633344.646	947521.720							
CURVE			N 16°35'04.2" W	110.84	07°28'35.9"(R T)	06°44'26.4"	110.92	55.54	850.00
PCC	633450.875	947490.083							
CURVE			N 11°06'39.5" W	166.54	03°28'13.5"(R T)	02°05'00.5"	166.57	83.31	2750.00
PCC	633614.296	947457.989							
CURVE			N 09°22'32.8" W	452.47					
PCC	634060.723	947384.277							
CURVE			N 13°46'51.4" W	86.03	08°48'37.3"(L T)	10°13'53.0"	86.11	43.14	560.00
PCC	634144.273	947363.785							
CURVE			N 21°13'15.4" W	115.42	06°04'10.7"(L T)	05°15'23.4"	115.47	57.79	1090.00
PCC	634251.862	947322.009							
CURVE			N 24°15'20.8" W	151.46					
PCC	634389.948	947259.789							
POT									

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	636440.517	946249.460							
LINE			N 41°42'08.5" W	207.08					
PC	636595.128	946111.695							
CURVE			N 38°32'47.1" W	173.12	06°18'42.9"(R T)	03°38'38.6"	173.21	86.69	1572.31
PCC	636730.529	946003.814							
CURVE			N 28°41'04.2" W	124.95	13°24'42.9"(R T)	10°42'34.2"	125.23	62.90	535.00
PCC	636840.142	945943.840							
CURVE			N 21°58'42.8" W	267.86					
PCC	637088.534	945843.592							
CURVE			N 17°58'25.5" W	244.44	08°00'34.6"(R T)	03°16'26.6"	244.64	122.52	1750.00
PCC	637321.045	945768.162							
CURVE			N 08°35'22.3" W	206.25	10°45'31.8"(R T)	05°12'31.3"	206.55	103.58	1100.00
PCC	637524.982	945737.358							
CURVE			N 12°55'35.2" W	97.89	19°25'57.5"(L T)	19°45'25.8"	98.36	49.66	290.00
PCC	637620.388	945715.460							
CURVE			N 22°38'33.9" W	123.72					
PCC	637734.570	945667.831							
CURVE			N 20°29'53.1" W	101.04	04°17'21.6"(R T)	04°14'38.9"	101.07	50.56	1350.00
PCC	637829.214	945632.449							
CURVE			N 18°21'12.3" W	141.00					
PCC	637963.046	945588.050							
CURVE			N 20°50'16.9" E	139.02	78°22'58.4"(R T)	52°05'13.5"	150.48	89.69	110.00
PCC	638092.973	945637.503							
POT									

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	634963.340	946604.921							
CURVE			S 35°38'16.2" E	227.85	14°04'21.6"(L T)	06°09'39.0"	228.42	114.79	930.00
PCC	634778.165	946737.679							
CURVE			S 43°51'37.5" E	193.78	02°22'21.				





# PROPOSED ALIGNMENT CONTROL SHEET



L1			
TYPE	STATION	NORTH	EAST
POT	832.00.00	632531.2008	947904.0007
TS	855.11.03	634543.4386	946767.4453
SC	857.07.03	634714.6424	946672.0290
CS	863.35.75	635282.6098	946403.1264
ST	865.31.75	635464.9215	946331.1717
POT	883.69.98	637178.6147	945666.0789

EBL2			
TYPE	STATION	NORTH	EAST
POT	1079.00.00	654965.0312	938794.3019
TS	1094.19.70	656196.1492	937903.3190
SC	1096.71.70	656402.4215	937758.5958
PC	1096.71.70	656402.4215	937758.5958
PT	1107.76.98	657418.5482	937341.4124
CS	1107.76.98	657418.5482	937341.4124
ST	1110.28.98	657667.0063	937299.4405
TS	1112.63.73	657899.0223	937263.7362
SC	1115.99.73	658229.0166	937201.3337
CS	1127.86.23	659175.2267	936529.0893
ST	1131.22.23	659342.7609	936238.0177
POT	1132.40.49	659398.2132	936133.5685

Y13RPB			
TYPE	STATION	NORTH	EAST
TS	10.00.00	632661.5580	947760.3144
SC	10.60.00	632713.7414	947730.7023
CS	13.21.21	632936.9143	947595.0157
ST	13.81.21	632987.2203	947562.3155
TS	16.12.71	633181.0657	947435.7586
SC	17.96.71	633330.0563	947329.1064
PT	20.69.84	633504.1235	947119.8809

Y15			
TYPE	STATION	NORTH	EAST
POT	39.74.07	649132.2680	940488.1745
PC	50.72.69	649369.1231	941560.9527
PCC	55.50.05	649375.8391	942034.9931
PT	62.20.28	649159.8856	942667.1562
POT	75.66.55	648551.3581	943868.0497

L2			
TYPE	STATION	NORTH	EAST
POT	997.00.00	647684.5522	941957.0169
PC	997.97.88	647780.7986	941939.1980
PT	1002.39.29	648216.1169	941866.2538
TS	1002.73.55	648250.0012	941861.1680
SC	1006.75.55	648645.5377	941790.1182
CS	1017.36.44	649586.5969	941320.4630
ST	1021.38.44	649881.1655	941047.1015
TS	1029.08.18	650430.1011	940507.4951
SC	1033.98.18	650792.2934	940177.9016
CS	1043.31.93	651629.8787	939782.5191
ST	1048.21.93	652114.5357	939712.3571
TS	1060.46.12	653331.9548	939583.7485
SC	1063.40.12	653623.4737	939546.1216
CS	1071.51.10	654376.1729	939257.7575
ST	1074.45.10	654618.2114	939090.9750
POT	1079.00.00	654986.7238	938824.2758

WBL1			
TYPE	STATION	NORTH	EAST
POT	883.70.00	637192.0017	945700.5722
TS	888.06.75	637599.1626	945542.5510
SC	891.00.75	637875.4054	945442.0805
CS	897.05.52	638469.3062	945337.6076
ST	899.99.52	638763.2524	945337.7764
TS	908.60.71	639624.2317	945356.6811
SC	911.12.71	639876.2033	945358.5188
CS	924.76.93	641182.1085	945010.9375
ST	927.28.93	641399.8281	944884.0862
PC	947.12.10	643098.5450	943860.7044
PT	969.00.01	645059.1839	942895.6202
PC	973.16.45	645447.0423	942744.0188
PT	978.04.58	645898.2108	942557.7569
TS	980.90.49	646160.3757	942443.6719
SC	982.37.49	646295.4147	942385.5931
CS	993.93.30	647398.8316	942048.1828
ST	995.40.30	647543.2585	942020.8046
POT	996.90.85	647691.2878	941993.3987

Y13RPC			
TYPE	STATION	NORTH	EAST
TS	10.00.00	633069.0598	947670.2641
SC	11.44.00	633195.5461	947601.4675
CS	16.05.69	633633.1756	947460.1936
ST	17.49.69	633776.0129	947442.0481
TS	18.61.50	633887.1463	947429.7335
SC	19.86.50	634011.1387	947413.9941
CS	21.18.99	634140.6949	947386.5649
ST	22.43.99	634260.4271	947350.7036
POT	22.61.72	634277.3297	947345.3467

Y15RPA			
TYPE	STATION	NORTH	EAST
TS	10.00.00	650387.3389	940463.9935
SC	11.96.00	650245.5511	940599.2912
CS	13.04.81	650162.8674	940670.0090
ST	15.00.81	650007.2202	940789.1022
TS	19.38.22	649655.9577	941049.7153
SC	21.06.22	649526.0557	941156.0438
PT	23.56.22	649390.9459	941364.1378

L3			
TYPE	STATION	NORTH	EAST
POT	1133.00.00	659430.8931	936150.9184
TS	1167.21.80	661035.4288	933128.6354
SC	1170.15.80	661178.8117	932872.0318
CS	1182.67.08	662088.0693	932035.3447
ST	1185.61.08	662355.6868	931913.7512
TS	1189.06.61	662673.2701	931777.6109
SC	1191.58.61	662903.3856	931674.9469
PC	1191.58.61	662903.3856	931674.9469
PT	1197.83.31	663432.2797	931344.8343
CS	1197.83.31	663432.2797	931344.8343
ST	1200.35.31	663625.5955	931183.2110
TS	1208.17.39	664218.1836	930672.8282
SC	1210.27.39	664378.5456	930537.2514
CS	1219.31.84	665140.5909	930054.0305
ST	1221.41.84	665331.6066	929966.7951
POT	1230.57.72	666168.1638	929593.9713
POT	1263.73.30	669196.6094	928244.3008

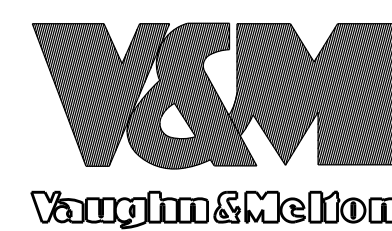

Y13			
TYPE	STATION	NORTH	EAST
PC	10.00.00	632279.5447	946905.6942
PCC	16.95.54	632964.7997	946810.8624
PT	22.89.58	633543.2740	946933.9363
PC	32.62.15	634448.3752	947289.8552
PRC	34.34.35	634609.6838	947350.1017
PT	36.06.55	634770.9925	947410.3482
PC	37.96.67	634947.9294	947479.9262
PT	43.95.30	635492.5940	947727.6824

Y13RPC_SPUR_LT			
TYPE	STATION	NORTH	EAST
PC	10.00.00	634143.6512	947385.7773
PT	12.46.21	634158.3942	947197.7879

Y15RPB			
TYPE	STATION	NORTH	EAST
TS	10.00.00	648220.3094	941791.8068
SC	11.44.00	648362.3552	941768.2470
CS	14.70.83	648674.0304	941671.8729
ST	16.62.83	648847.2473	941589.1231
POT	19.37.28	649092.4084	941465.7653

EBL1			
TYPE	STATION	NORTH	EAST
POT	883.70.00	637165.2277	945631.5856
TS	888.43.53	637606.6738	945460.2582
SC	891.16.53	637862.8676	945365.0522
CS	898.43.54	638576.4689	945240.5228
ST	901.16.54	638849.4318	945241.6450
TS	908.48.47	639591.1823	945257.7122
SC	911.00.47	639833.1523	945259.2505
CS	923.43.37	641023.2629	944942.5254
ST	925.95.37	641241.1371	944815.9471
TS	952.27.31	643495.6530	943457.9022
SC	953.74.31	643621.8950	943382.5920
CS	962.81.49	644437.8471	942988.2781
ST	964.28.49	644575.2959	942936.1580
TS	983.41.92	646367.2937	942265.3897
SC	984.88.92	646505.1832	942214.4469
CS	993.45.18	647329.5180	941985.7579
ST	994.		

# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. I-4700	SHEET NO. RW03E-1
Location and Surveys	
	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L1	834.50.00	135.00	632815.2709	947898.5976
L1	835.00.00	170.00	632876.0192	947904.4827
L1	836.00.00	170.00	632963.0903	947855.3031
L1	837.20.00	135.00	633050.3627	947765.8127
L1	864.00.00	-134.62	635292.5432	946254.0385
L1	866.00.00	-165.00	635468.0463	946152.6575
L1	866.50.00	-165.00	635515.4589	946134.5669
L1	867.10.00	-135.05	635582.2287	946140.7753

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
EBL1	992.40.00	-98.96	647205.5024	941910.4803
EBL1	993.00.00	-110.00	647262.9755	941887.0027
EBL1	993.80.00	-110.00	647342.8575	941871.0669
EBL1	994.30.00	-98.37	647394.6814	941873.0581

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L2	998.91.90	203.54	647908.9082	942122.8234
L2	999.50.00	148.01	647955.7668	942058.2270
L2	1041.40.74	170.00	651497.4907	939994.5904
L2	1042.00.00	130.76	651538.6545	939940.9613
L2	1043.70.00	131.62	651693.7042	939903.4123
L2	1044.40.00	170.00	651765.5217	939928.7369
L2	1046.66.68	174.40	651980.5403	939902.4794
L2	1051.33.50	175.32	652442.7976	939853.9718
L2	1054.35.00	-174.03	652705.9303	939474.8797
L2	1054.80.00	135.19	652783.1670	939777.6645
L2	1055.00.00	-200.00	652767.8427	939442.2286
L2	1055.40.00	-220.00	652805.5203	939418.1370
L2	1055.70.00	-220.00	652835.3543	939414.9854
L2	1057.30.00	-183.79	652998.2726	939434.1825
L2	1058.00.00	135.07	653101.3839	939743.9295
L2	1058.34.61	-160.00	653104.8077	939446.8541
L2	1059.50.00	170.00	653254.2232	939762.9060
L2	1060.00.00	-134.26	653271.9825	939455.0788
L2	1060.50.00	165.00	653353.1453	939747.4279
L2	1062.50.00	134.53	653553.0290	939693.3197

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
EBL2	1102.77.55	-92.73	656906.0840	937394.6767
EBL2	1104.50.00	-115.00	657067.0393	937313.9586
EBL2	1107.55.43	-125.00	657372.0773	937223.3009
EBL2	1109.40.00	-235.68	657541.9635	937080.3973
EBL2	1110.00.00	-260.00	657598.6696	937046.9018
EBL2	1110.80.00	-265.00	657677.1270	937029.7636
EBL2	1111.90.00	-238.91	657789.8158	937038.8218
EBL2	1124.58.36	-110.00	658889.3182	936703.1473
EBL2	1125.50.00	-91.27	658962.2780	936653.9286
EBL2	1129.25.00	-89.84	659170.4278	936366.2027
EBL2	1130.00.00	-115.00	659184.1270	936290.4142
EBL2	1131.00.00	-110.00	659235.2010	936206.0252
EBL2	1131.90.00	-87.28	659297.4522	936137.2332

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y13RPA	12.00.00	72.50	635017.1029	946368.5642
Y13RPA	13.70.00	100.00	634849.5259	946408.2439
Y13RPA	14.60.00	71.38	634777.3436	946469.1462

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y13RPB	12.88.02	-66.95	632873.7314	947555.9644
Y13RPB	12.99.14	-85.00	632872.6063	947535.2783
Y13RPB	14.50.00	-80.00	633001.0836	947457.7240
Y13RPB	16.29.85	-64.33	633160.1865	947372.5573

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y14	17.00.00	22.50	640187.1471	945525.7729
Y14	17.00.00	75.00	640136.4815	945539.5295

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L3	1205.00.00	-134.31	663890.0427	930778.1910
L3	1205.50.00	-165.00	663907.8993	930722.3066
L3	1208.23.71	-133.97	664135.5478	930567.1919

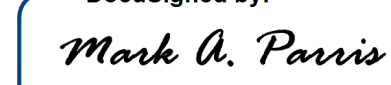
ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
WBL1	904.25.00	99.54	639186.4417	945446.6356
WBL1	904.75.00	110.00	639236.2001	945458.1875
WBL1	905.90.00	110.00	639351.1724	945460.7120
WBL1	907.90.00	135.00	639550.5754	945490.0963
WBL1	909.50.00	130.00	639711.3676	945488.4593
WBL1	910.50.00	108.96	639813.8111	945468.2279
WBL1	912.75.00	109.61	640046.8808	945459.6182
WBL1	924.85.00	96.96	641235.7591	945092.1168
WBL1	926.00.00	160.00	641370.1161	945088.1879
WBL1	927.40.00	220.00	641522.8347	945066.8205
WBL1	928.60.00	220.00	641625.6229	945004.8964
WBL1	930.95.27	100.26	641765.3613	944780.9219
WBL1	933.00.00	100.19	641940.6852	944675.2134
WBL1	933.50.00	115.00	641991.1576	944662.1000
WBL1	934.20.00	115.00	642051.1173	944625.9776
WBL1	935.50.00	100.10	642154.7810	944546.1281
WBL1	981.50.00	97.28	646253.5889	942509.2507
WBL1	983.03.01	120.17	646401.2257	942471.8855
WBL1	983.75.00	150.00	646477.5703	942473.5246
WBL1	984.90.00	140.00	646578.7746	942424.3173
WBL1	985.30.00	118.78	646608.2225	942390.9757

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 17th day of September, 2018.

DocuSigned by:  
  
 P1570CB85C7246A... L-4529  
 Professional Land Surveyor PLS # Seal

- 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.

REVISIONS

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 Mark A. Parris  
 Professional Land Surveyor

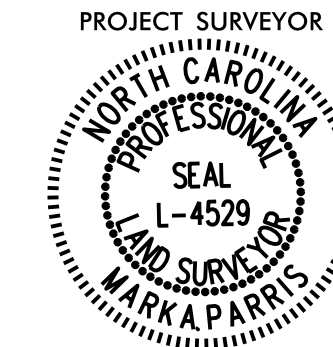


6/2/19

# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
I-4700	RW03E-2

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L1	883.00.00	-134.73	637064.6249	945565.7954
L1	883.00.00	-160.00	637055.4827	945542.2395
L1	883.21.13	-134.73	637084.3241	945558.1546
L1	883.33.47	-160.00	637086.6856	945530.1295

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L2	1065.70.00	-180.00	653796.9834	939321.1688
L2	1065.70.00	-159.89	653802.5995	939340.4794
L2	1066.15.00	-180.00	653836.3994	939309.2503
L2	1066.15.00	-162.07	653841.7722	939326.3615

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L3	1138.00.00	-123.27	659556.4702	935651.4919
L3	1138.00.00	-140.00	659541.6968	935643.6487
L3	1138.30.00	-150.00	659546.9318	935612.4622
L3	1138.60.00	-123.16	659584.7018	935598.5486
L3	1215.90.00	-150.00	664762.6752	930086.3568
L3	1215.90.00	-133.44	664771.1337	930100.5894
L3	1216.40.00	-150.00	664807.5177	930060.1020
L3	1216.40.00	-133.99	664815.5159	930073.9701

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
EBL1	888.70.00	-97.62	637596.0802	945359.6588
EBL1	889.15.00	-185.00	637607.0346	945261.7684
EBL1	889.31.24	-121.20	637645.2728	945315.4409
EBL1	889.35.00	-175.00	637629.6799	945263.8107
EBL1	972.60.00	-99.85	645319.0317	942551.1495
EBL1	972.60.00	-130.00	645308.4632	942522.9151
EBL1	972.90.00	-130.00	645336.5594	942512.3983
EBL1	972.90.00	-99.73	645347.1723	942540.7512
EBL1	984.40.00	-109.26	646421.5034	942128.6410
EBL1	984.70.00	-200.00	646419.1103	942032.8962
EBL1	985.30.00	-180.00	646484.1746	942030.8725
EBL1	985.40.00	-109.79	646517.0857	942093.7356

REVISIONS

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 17th day of September, 2018.

DocuSigned by:

*Mark A. Parris*

Professional Land Surveyor

L-4529  
PLS #

Seal

NOTES:

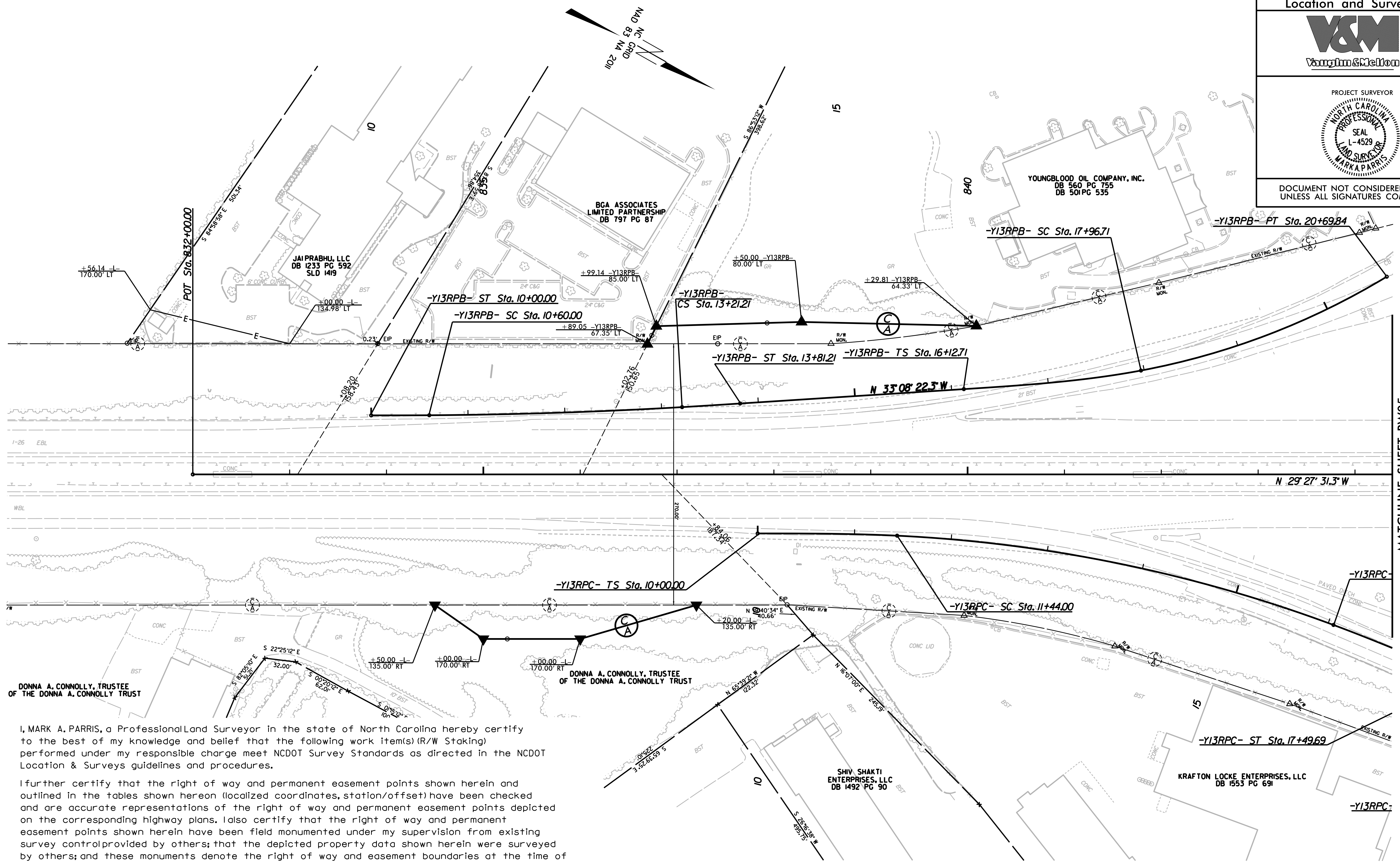
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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

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 Mark A. Parris  
 Professional Land Surveyor



PROJECT REFERENCE NO. I-4700	SHEET NO. RW04
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

MATCHLINE SHEET RW05

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DocuSigned by:  
**Mark A. Parris**  
Professional Land Surveyor

L-4529  
PLS #  
Seal

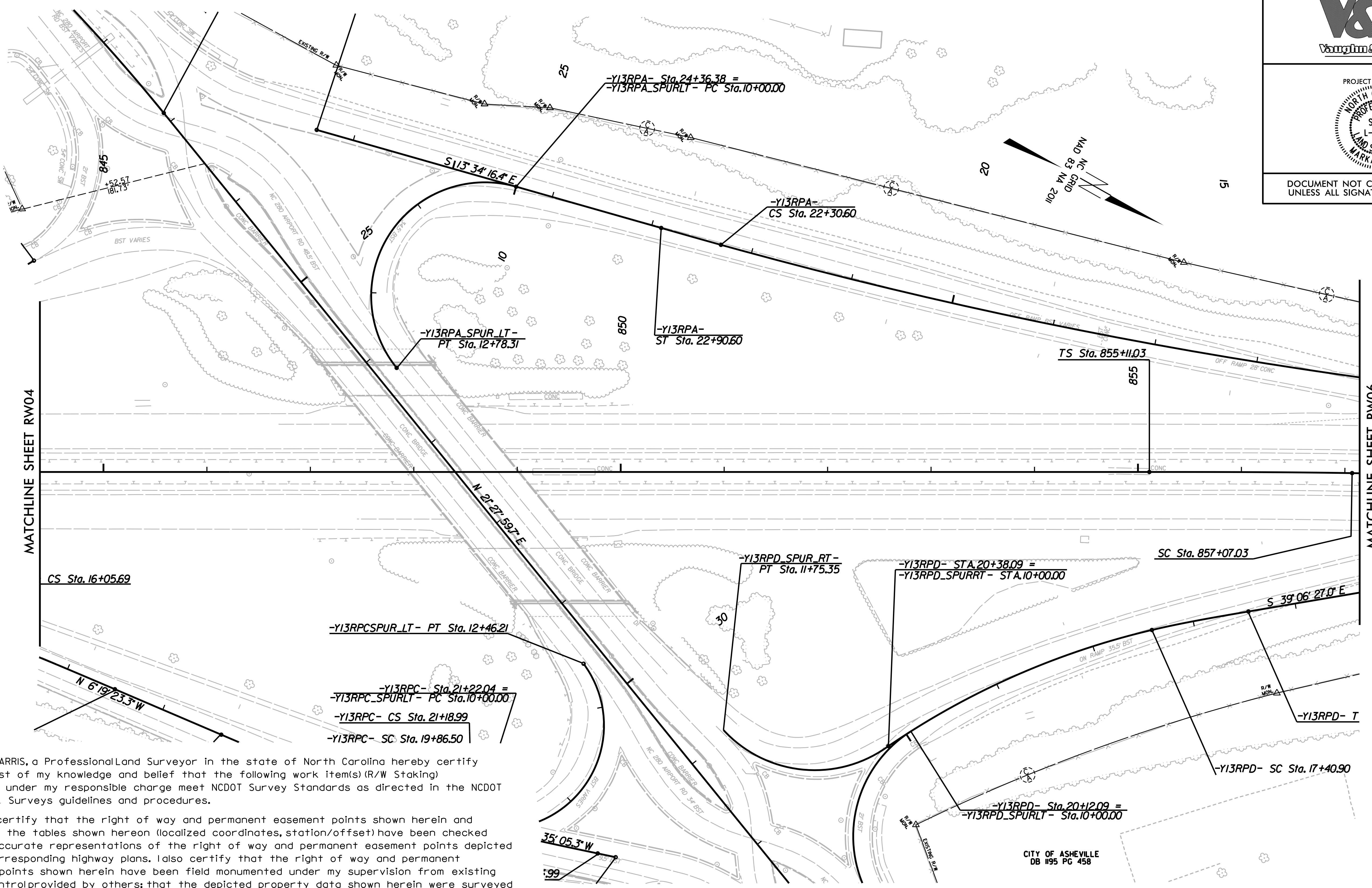
**NOTES:**

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 6/2/19



PROJECT REFERENCE NO. I-4700	SHEET NO. RW05
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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**Mark A. Parris**  
Professional Land Surveyor  
L-4529  
PLS #  
Seal

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REVISIONS

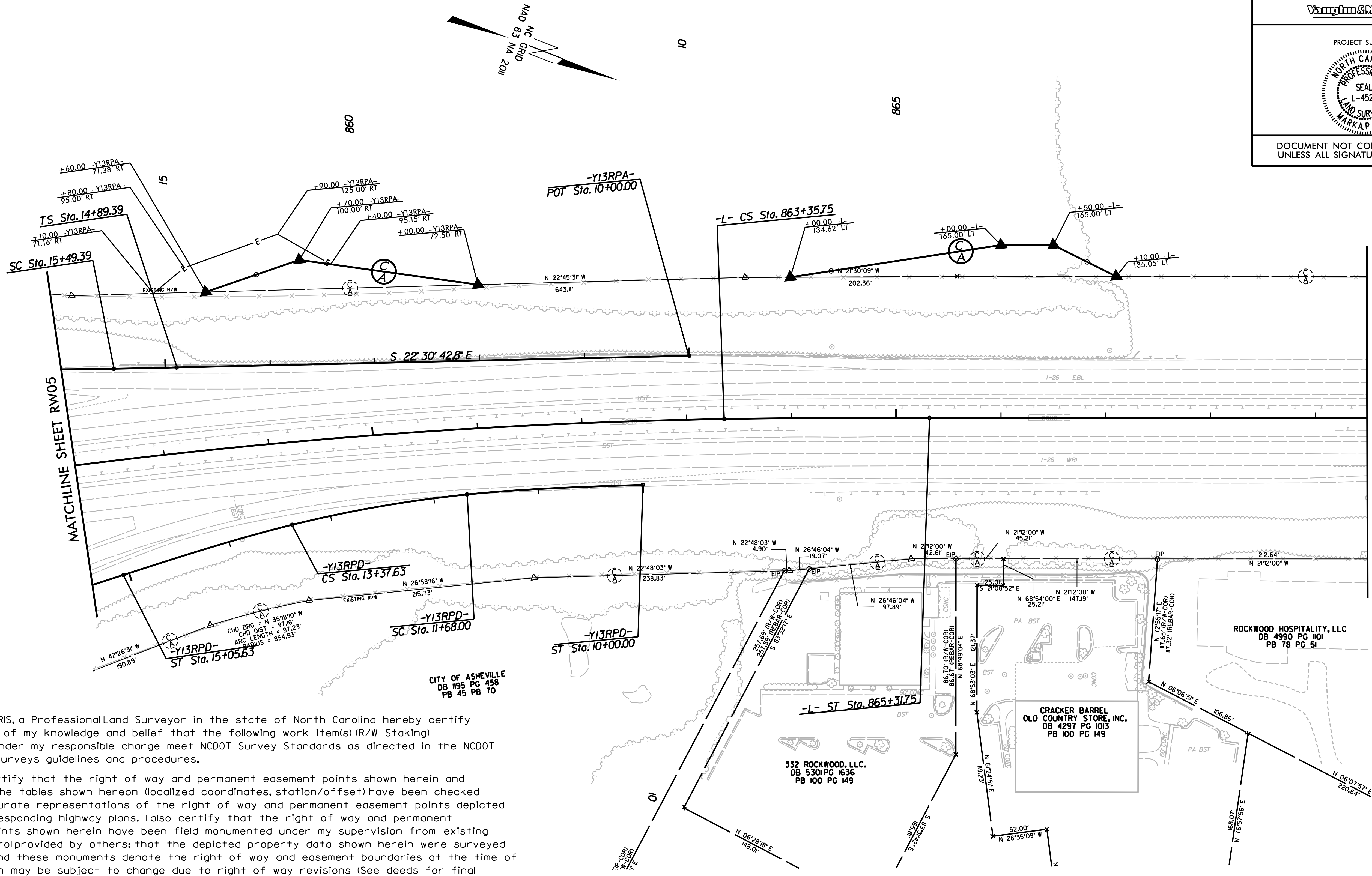
MATCHLINE SHEET RW04

MATCHLINE SHEET RW06

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PROJECT REFERENCE NO. I-4700	SHEET NO. RW06
<b>Location and Surveys</b>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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L-4529  
PLS #  
Seal

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REVISIONS

MATCHLINE SHEET RW05

MATCHLINE SHEET RW07

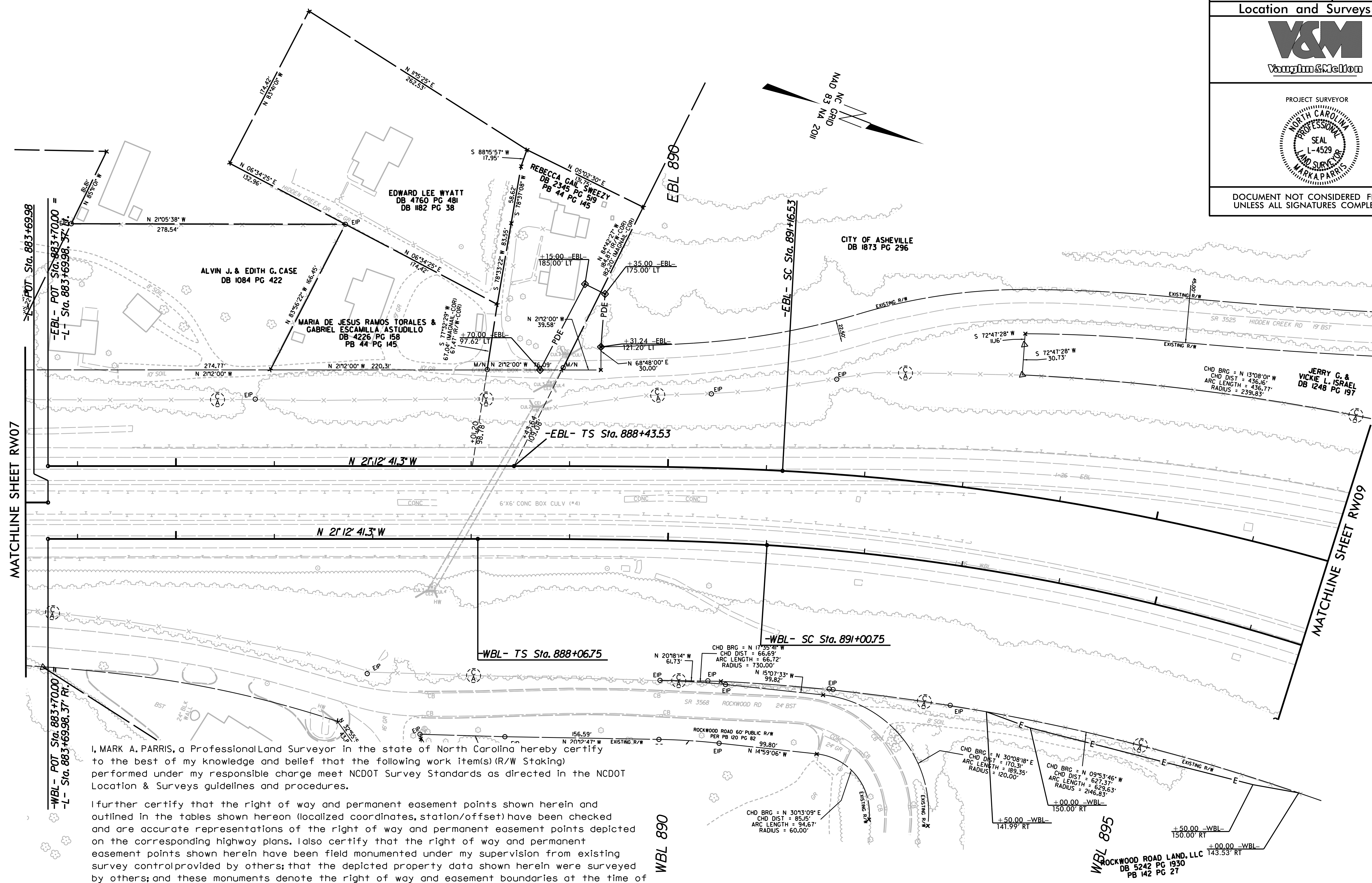
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PROJECT REFERENCE NO. I-4700	SHEET NO. RW08
<b>Location and Surveys</b>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

MATCHLINE SHEET RW07

MATCHLINE SHEET RW09

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Professional Land Surveyor

L-4529  
PLS #  
Seal

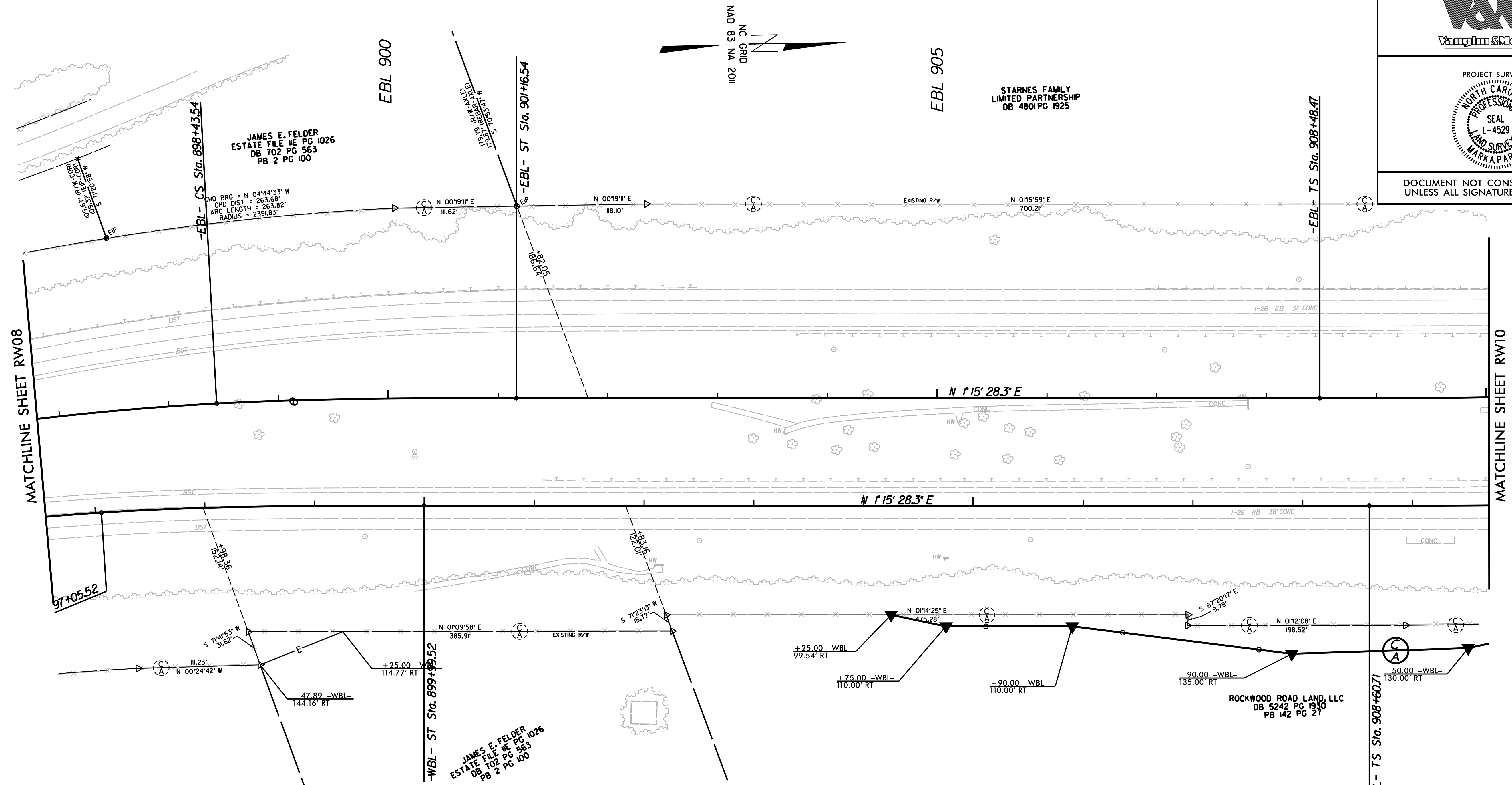
**NOTES:**

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PROJECT REFERENCE NO. I-4700	SHEET NO. RW09
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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**Mark A. Parris**  
Professional Land Surveyor

L-4529  
PLS #  
Seal

**NOTES:**

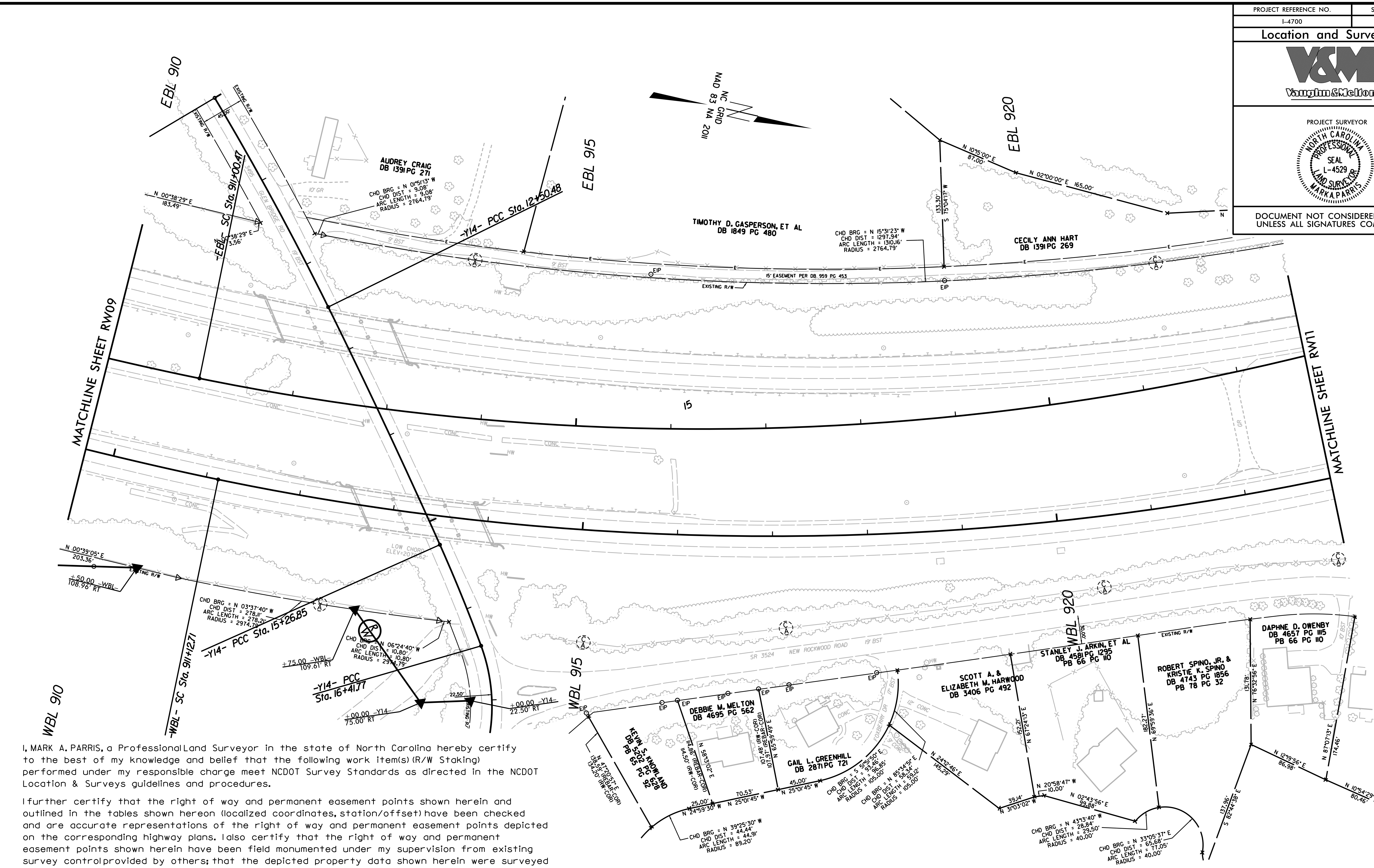
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REVISIONS

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PROJECT REFERENCE NO. I-4700	SHEET NO. RW10
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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DocuSigned by:  
**Mark A. Parris**  
Professional Land Surveyor  
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L-4529  
PLS #  
Seal

REVISIONS

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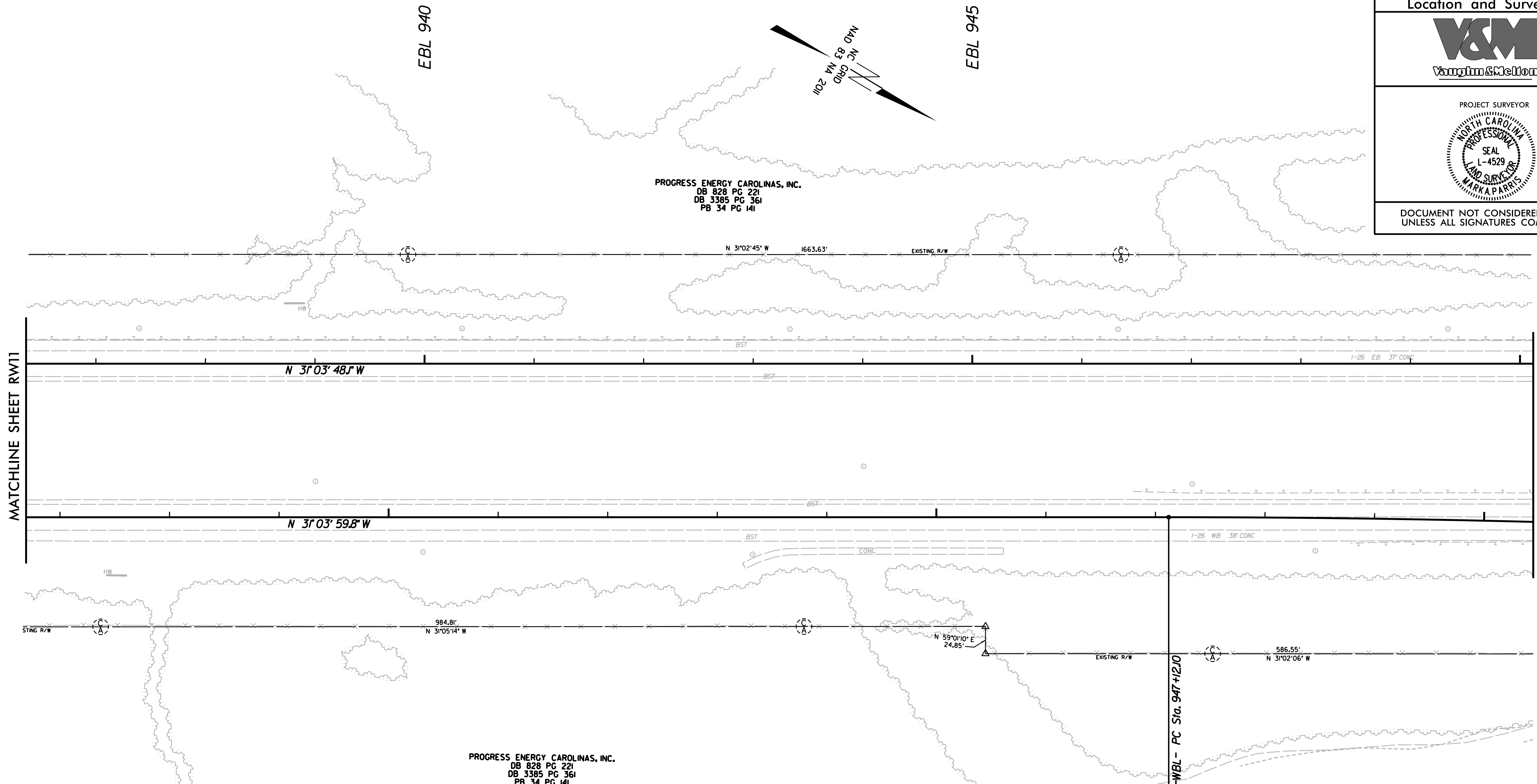
Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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 DB 828 PG 221  
 DB 3385 PG 361  
 PB 34 PG 141

PROGRESS ENERGY CAROLINAS, INC.  
 DB 828 PG 221  
 DB 3385 PG 361  
 PB 34 PG 141

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Professional Land Surveyor

L-4529  
 PLS #

Seal


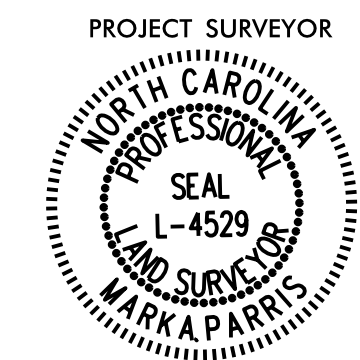
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REVISIONS

6/2/19  
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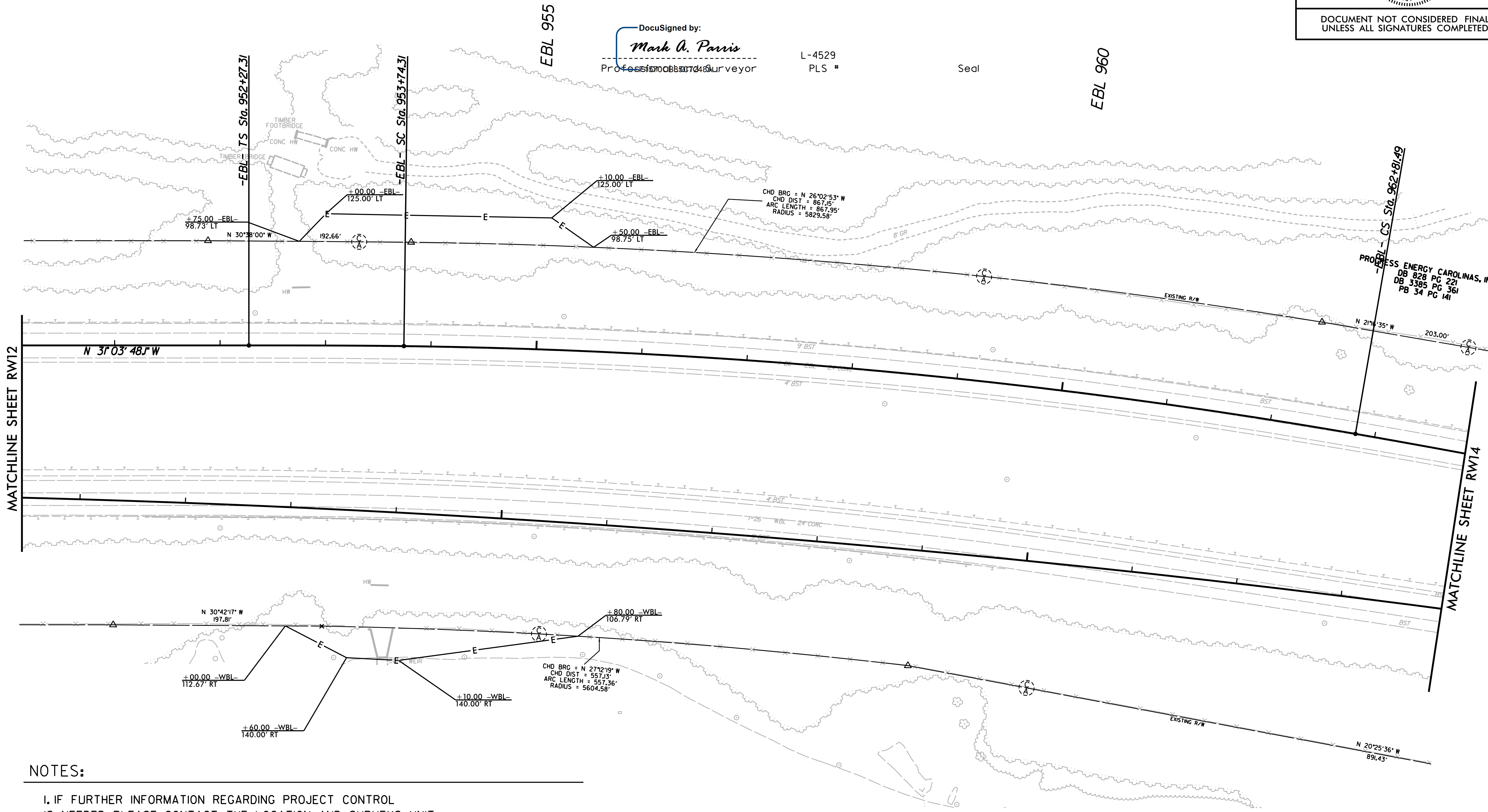
PROJECT REFERENCE NO. I-4700	SHEET NO. RW13
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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*Mark A. Parris*  
 Professional Land Surveyor L-4529 PLS # Seal



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REVISIONS

6/2/19  
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 Mark A. Parris  
 Professional Land Surveyor

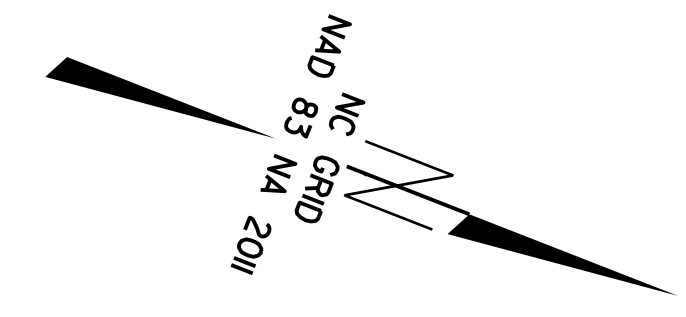


I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

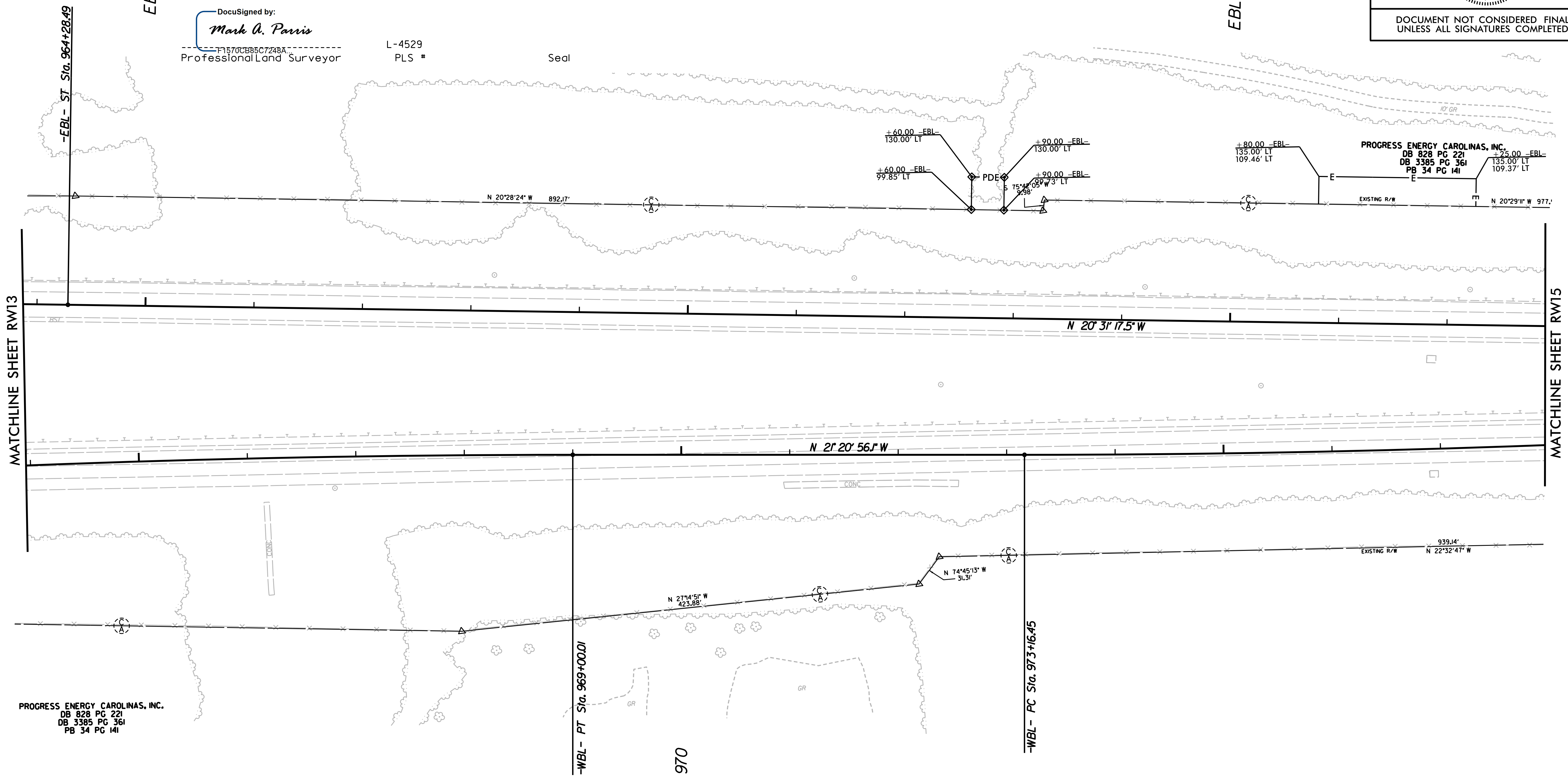
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 13th day of September, 2018.

DocuSigned by:  
*Mark A. Parris*  
L-4529  
Professional Land Surveyor PLS # Seal



PROJECT REFERENCE NO. I-4700	SHEET NO. RW14
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

MATCHLINE SHEET RW13

MATCHLINE SHEET RW15

PROGRESS ENERGY CAROLINAS, INC.  
DB 828 PG 221  
DB 3385 PG 361  
PB 34 PG 141

PROGRESS ENERGY CAROLINAS, INC.  
DB 828 PG 221  
DB 3385 PG 361  
PB 34 PG 141

-WBL - PT Sta. 969+00.01

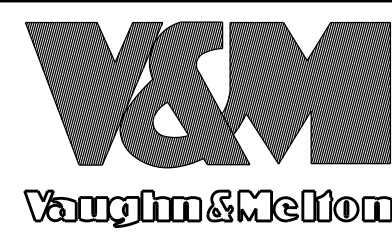
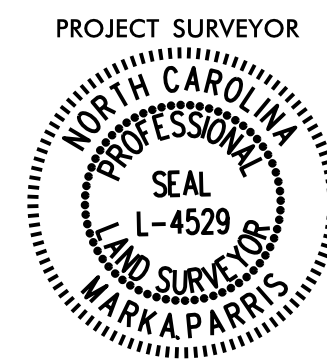
WBL 970

-WBL - PC Sta. 973+16.45

**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.



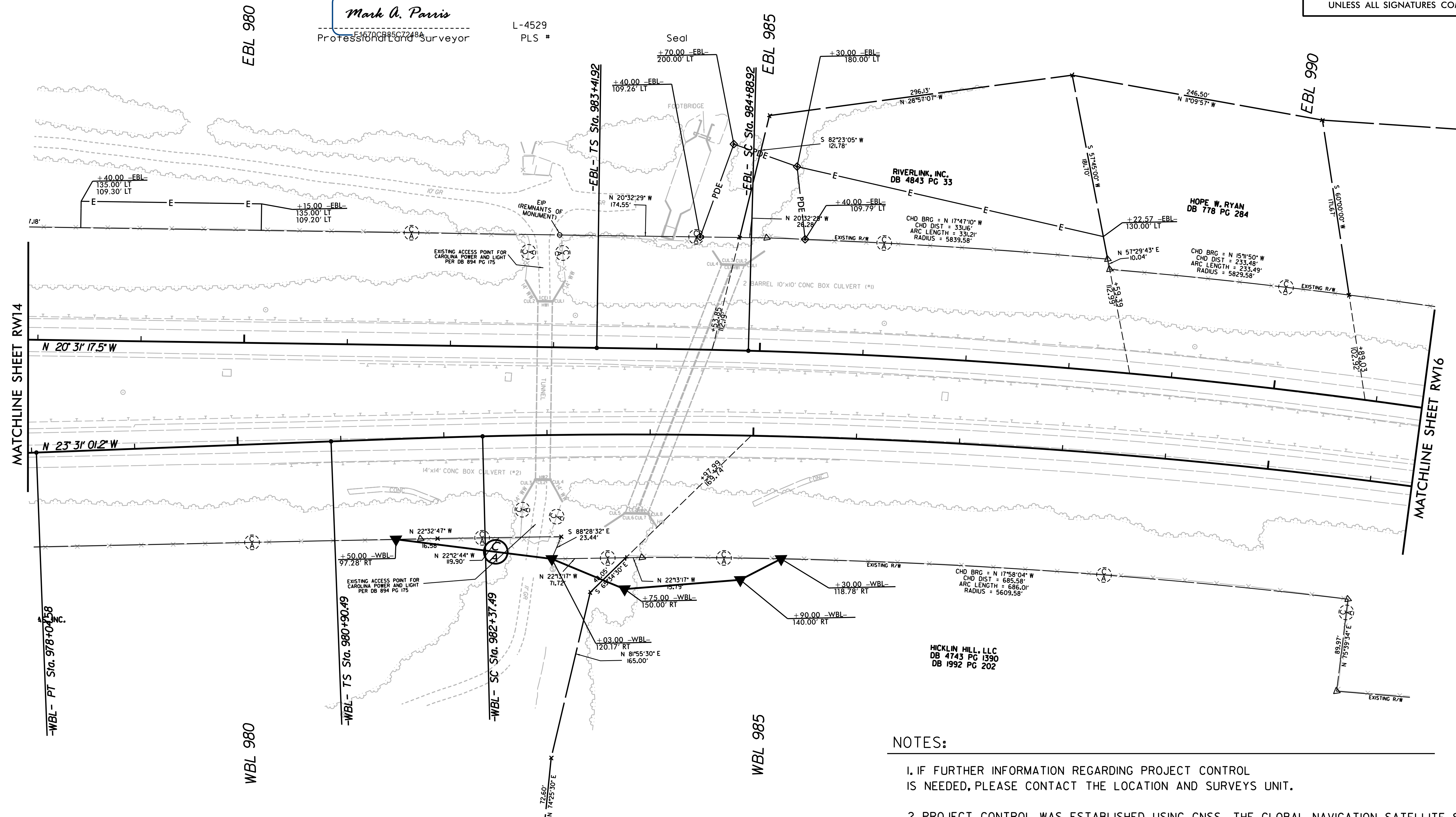
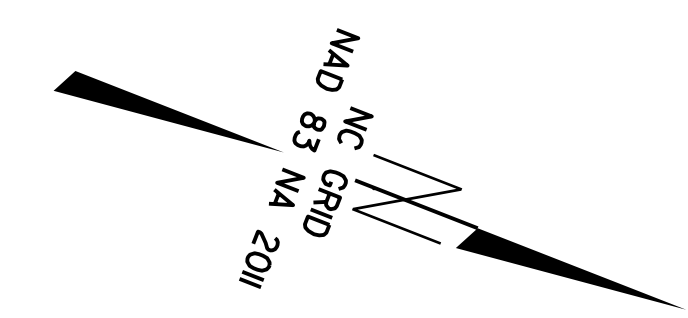
PROJECT REFERENCE NO. I-4700	SHEET NO. RW15
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 13th day of September, 2018.

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



- 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.

REVISIONS

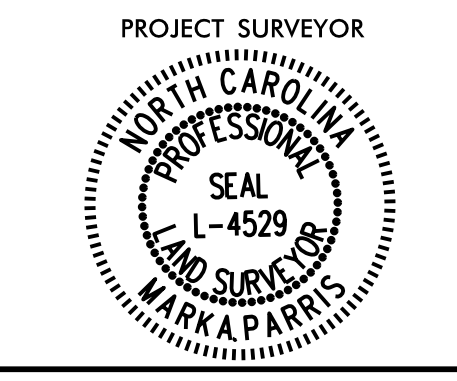
MATCHLINE SHEET RW14

MATCHLINE SHEET RW16

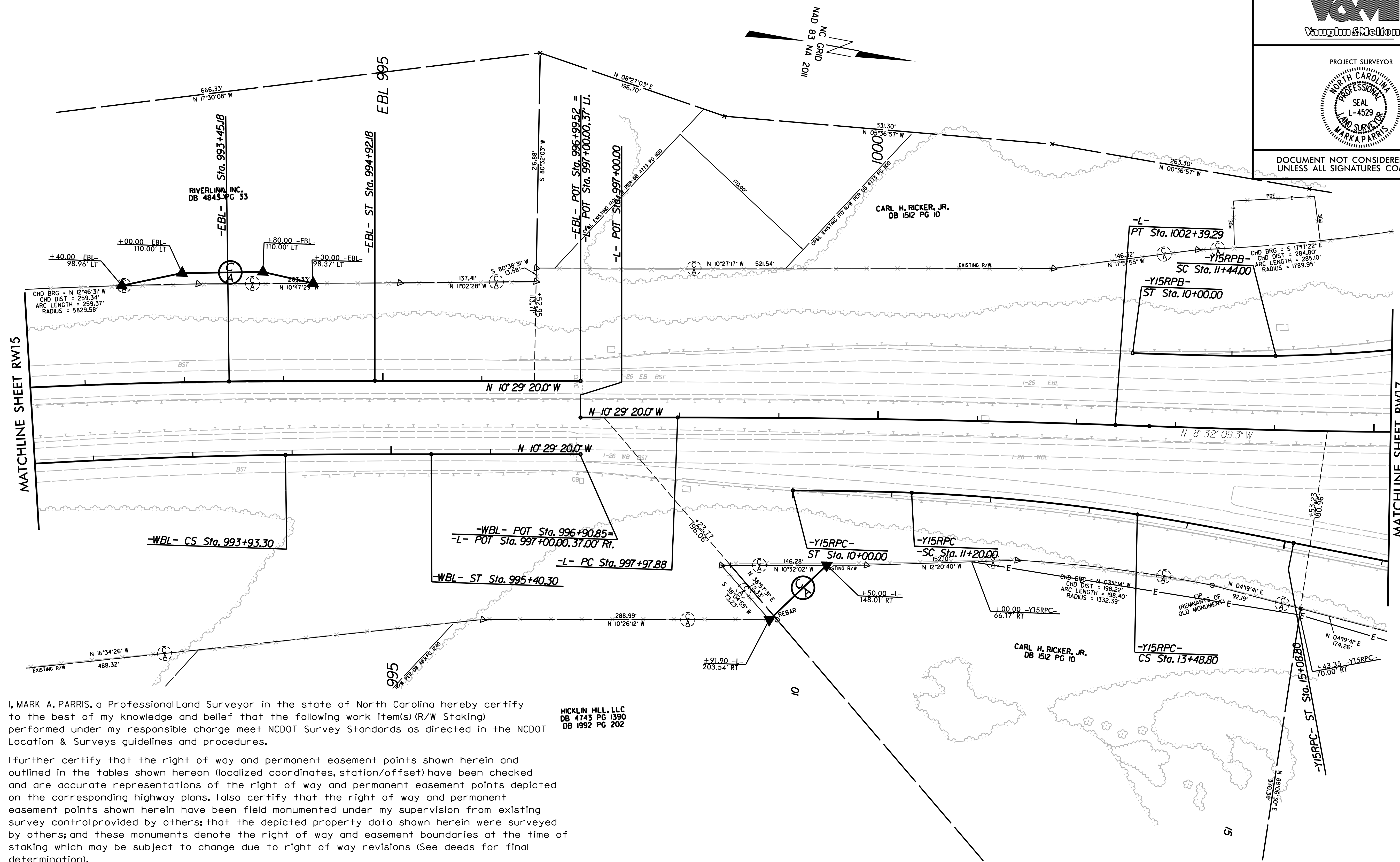
18-MAR-2019 14:07 I:\Surveys\2018\31812-63 I4700A I26 R/W Staking\Work\I4700B.I.s..RW15.DGN



Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

HICKLIN HILL, LLC  
DB 4743 PG 1390  
DB 1992 PG 202

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 13th day of September, 2018.

DocuSigned by:  
**Mark A. Parris**  
Professional Land Surveyor

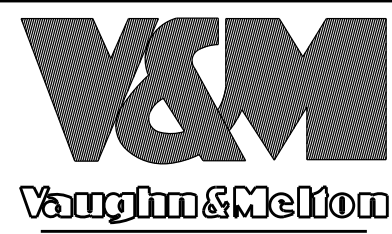
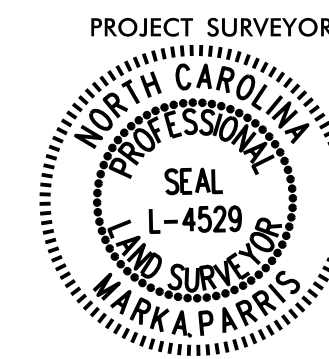
L-4529  
PLS # Seal

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.

6/2/19  
19-MAR-2019 14:14  
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V:\Projects\2018\31812-63\_I4700A\_I26\_R/W\_Staking\Work\I4700A\_I26\_RW16.DGN

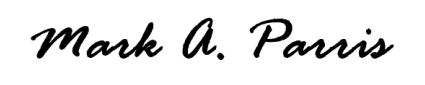


PROJECT REFERENCE NO. I-4700	SHEET NO. RW17
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

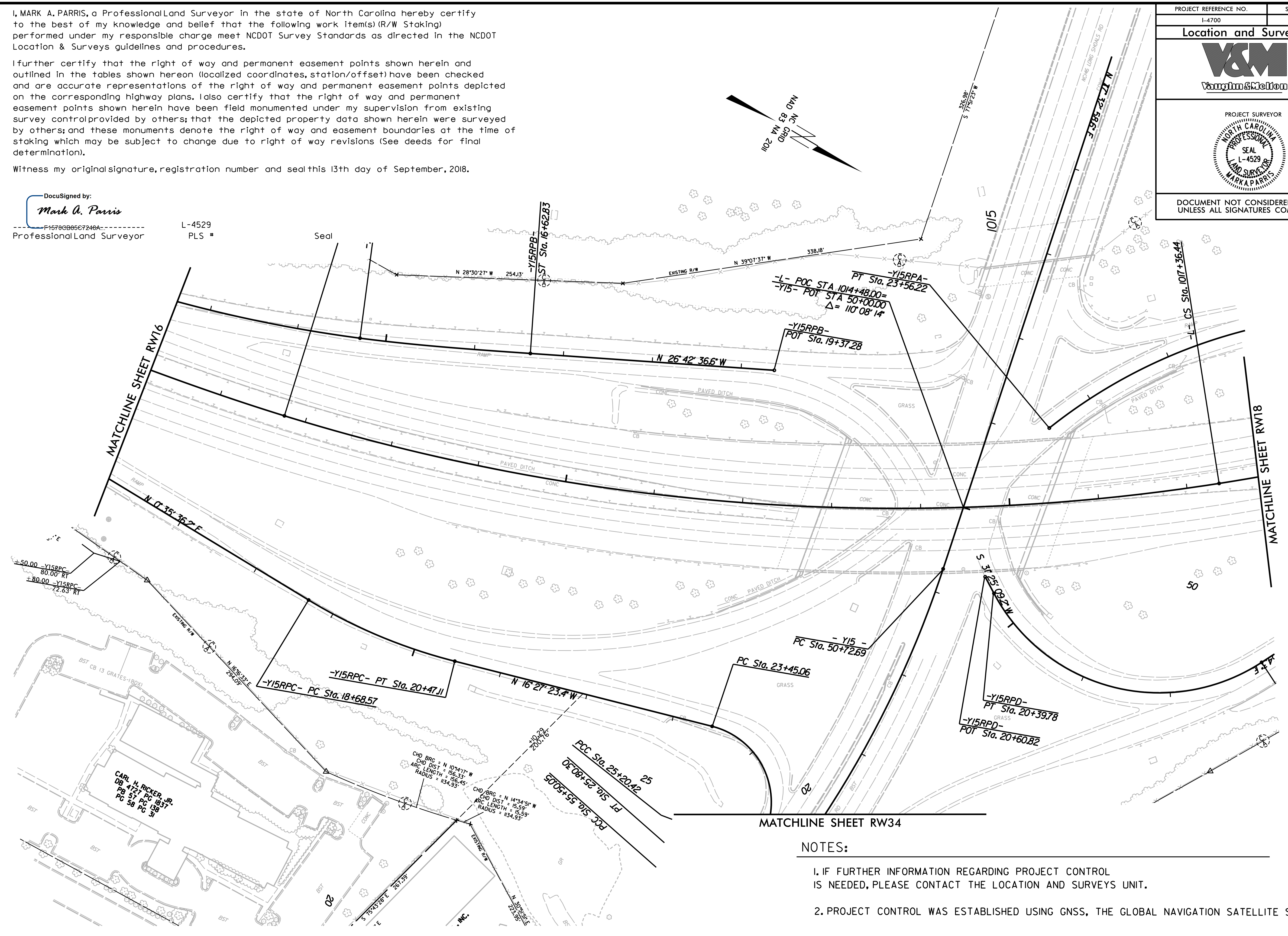
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Witness my original signature, registration number and seal this 13th day of September, 2018.

DocuSigned by:  
  
 F1570GB8567248A  
 Professional Land Surveyor

L-4529  
 PLS #

Seal




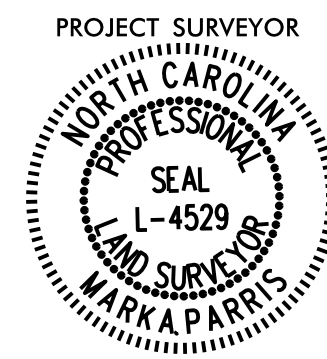
REVISIONS

18-MAR-2019 14:22  
 C:\Users\parris\OneDrive\Documents\Projects\I-4700\17\17-DGN  
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**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.



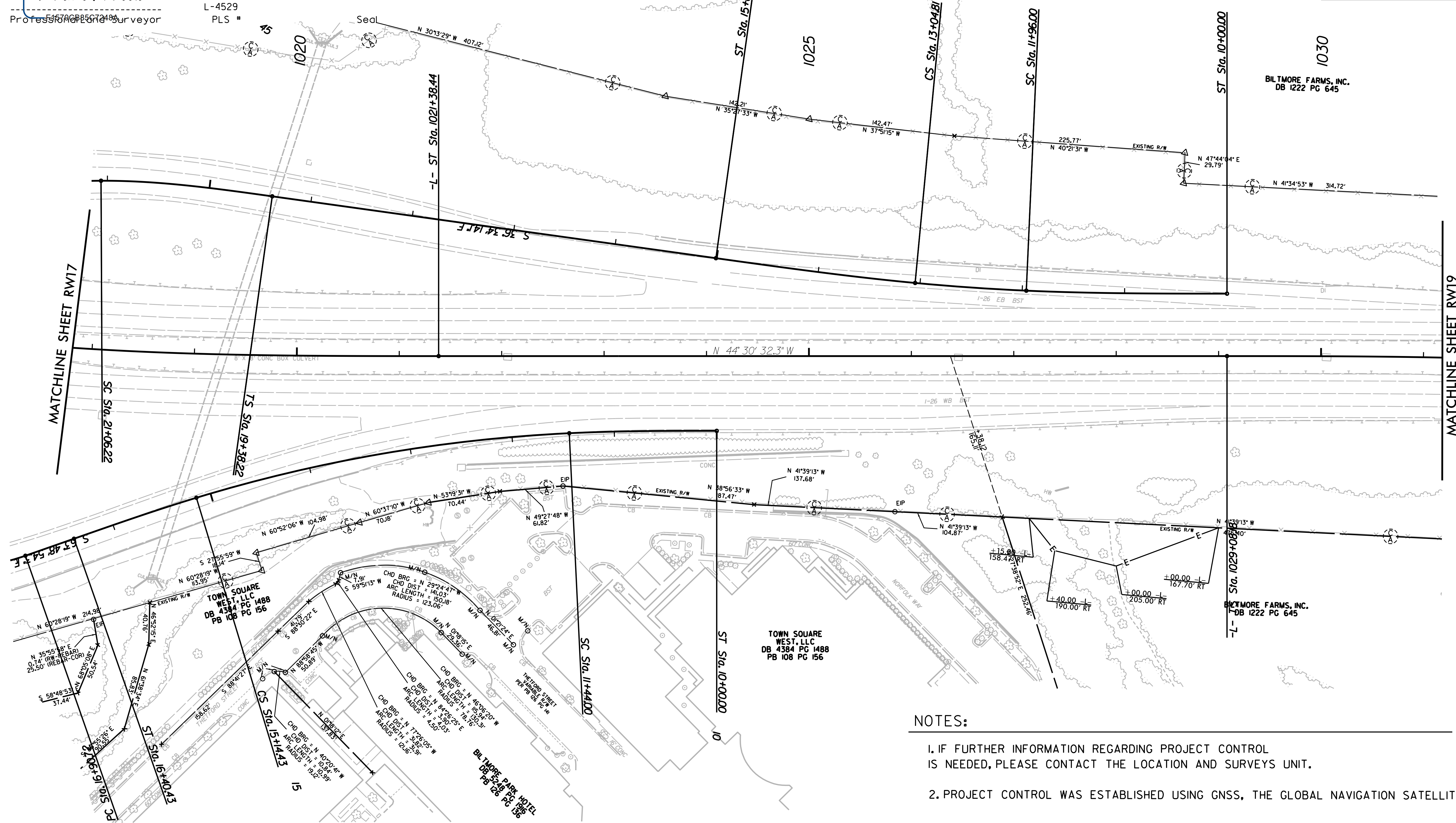
PROJECT REFERENCE NO. I-4700	SHEET NO. RW18
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 14th day of September, 2018.

DocuSigned by:  
*Mark A. Parris*  
Professional Land Surveyor  
L-4529  
PLS # 56700885072486



REVISIONS

MATCHLINE SHEET RW19

**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.

19-MAR-2019 14:26  
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 6/2/2019



PROJECT REFERENCE NO. I-4700	SHEET NO. RW19
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

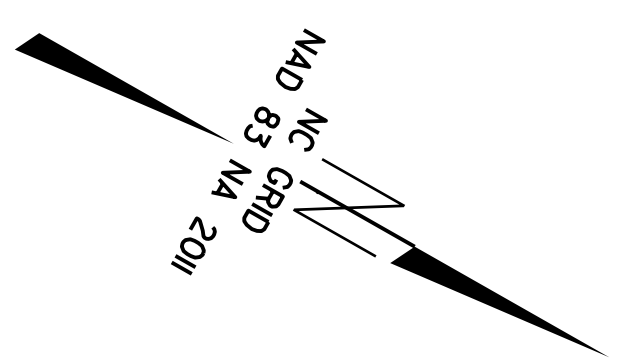
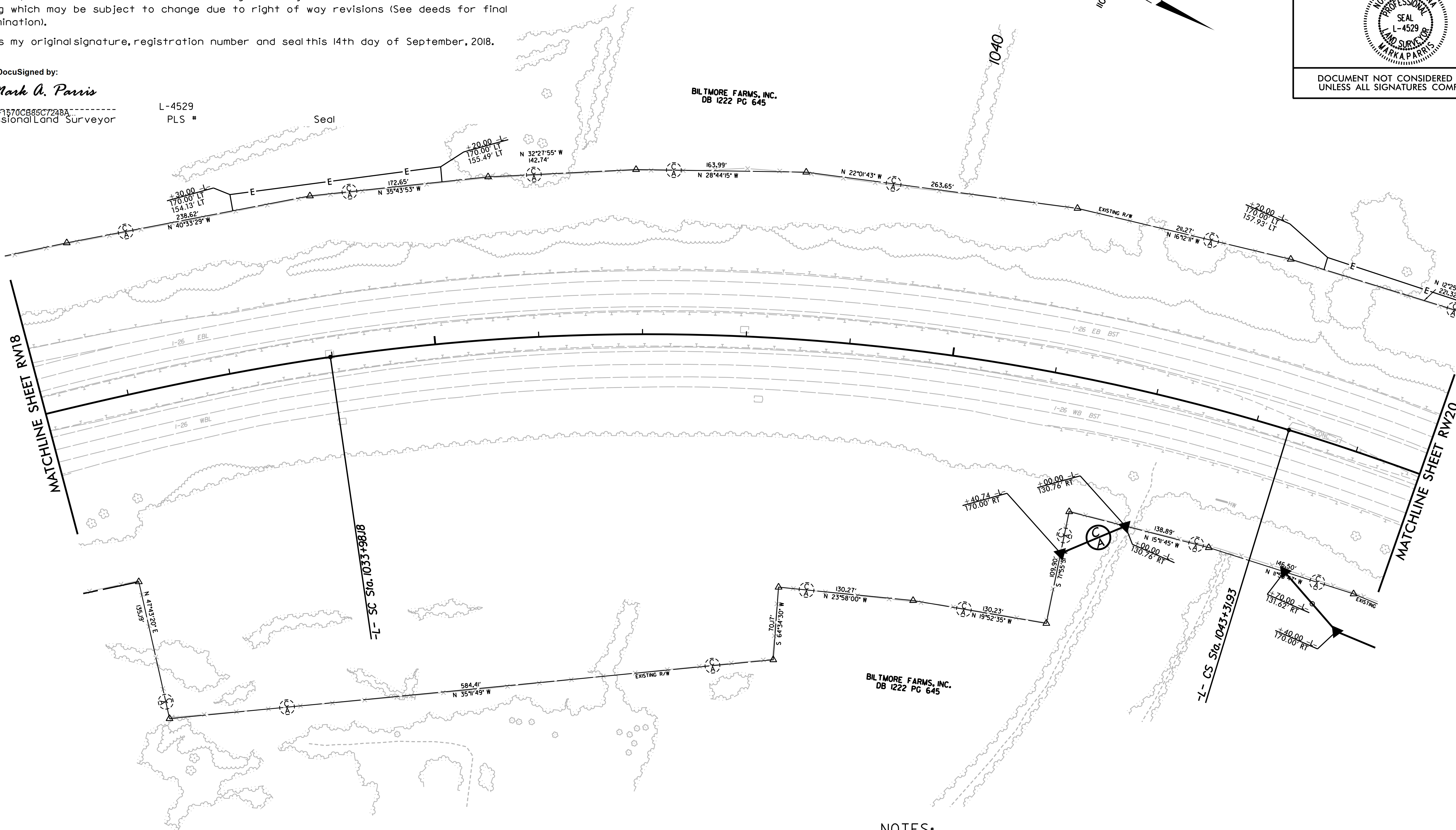
I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 14th day of September, 2018.

DocuSigned by:  
*Mark A. Parris*  
F1570CB85C7248A  
Professional Land Surveyor

L-4529  
PLS #



REVISIONS

18-MAR-2019 14:35  
I:\Projects\2018\131812-63 I4700A I26 ROW Staking\Work\I4700A\_I26\_ROW19.DGN  
Location: V:\Projects\2018\131812-63 I4700A I26 ROW Staking\Work\I4700A\_I26\_ROW19.DGN

**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.



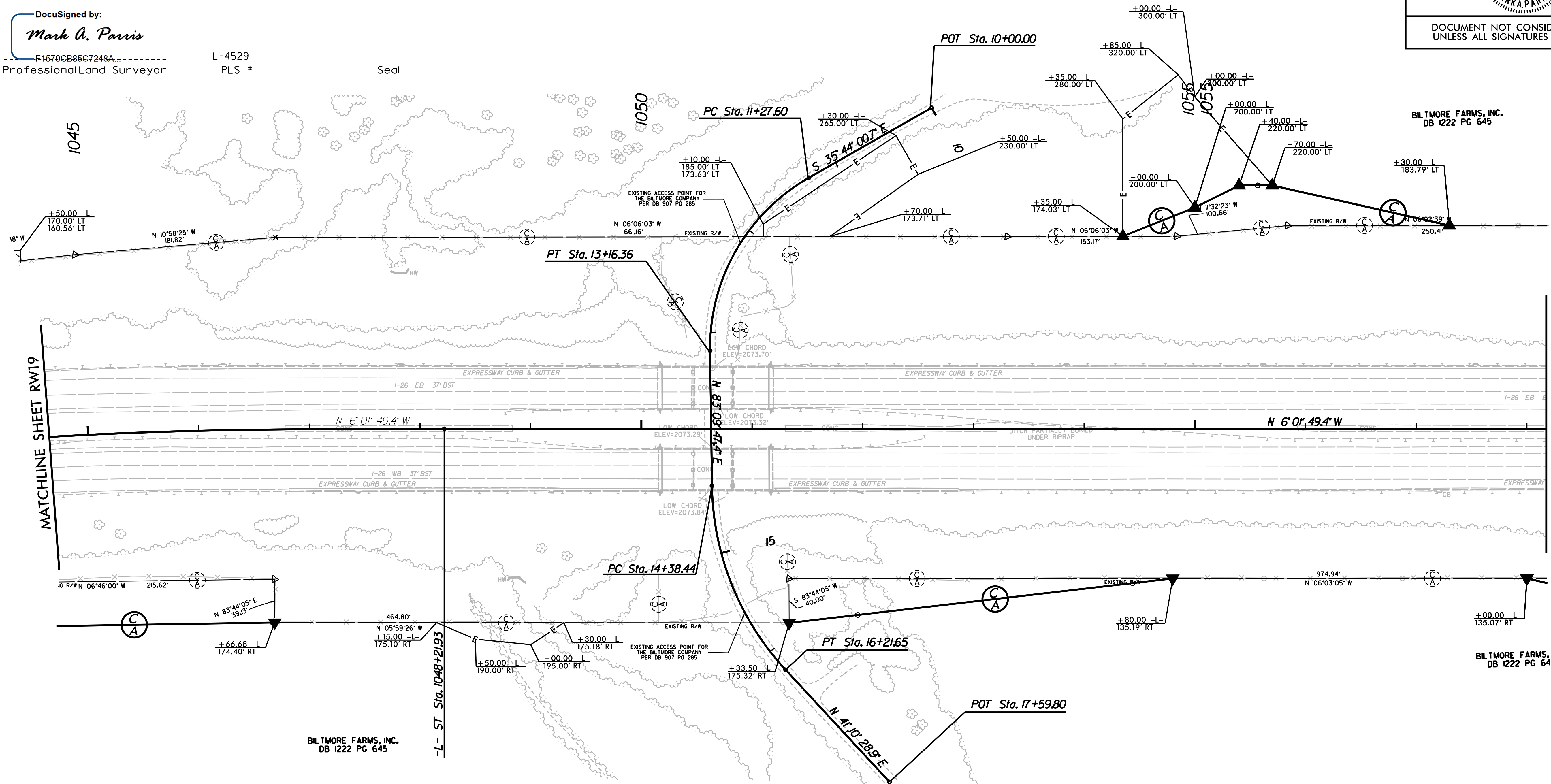
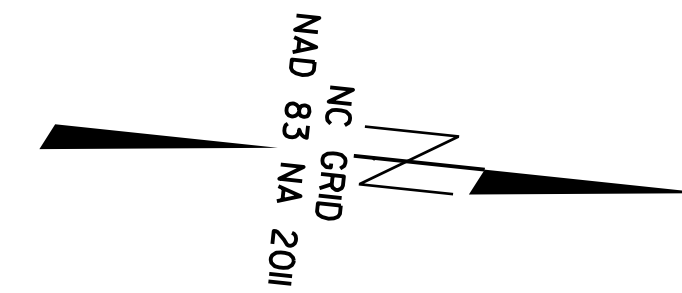
PROJECT REFERENCE NO. I-4700	SHEET NO. RW20
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 14th day of September, 2018.

DocuSigned by:  
*Mark A. Parris*  
F1570CB85C7248A Professional Land Surveyor L-4529 PLS # Seal



**NOTES:**


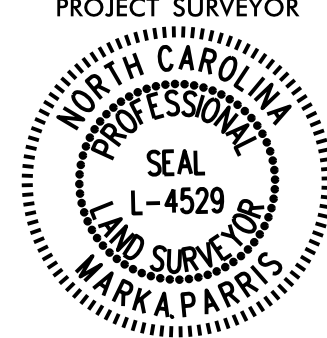
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

MATCHLINE SHEET RW21

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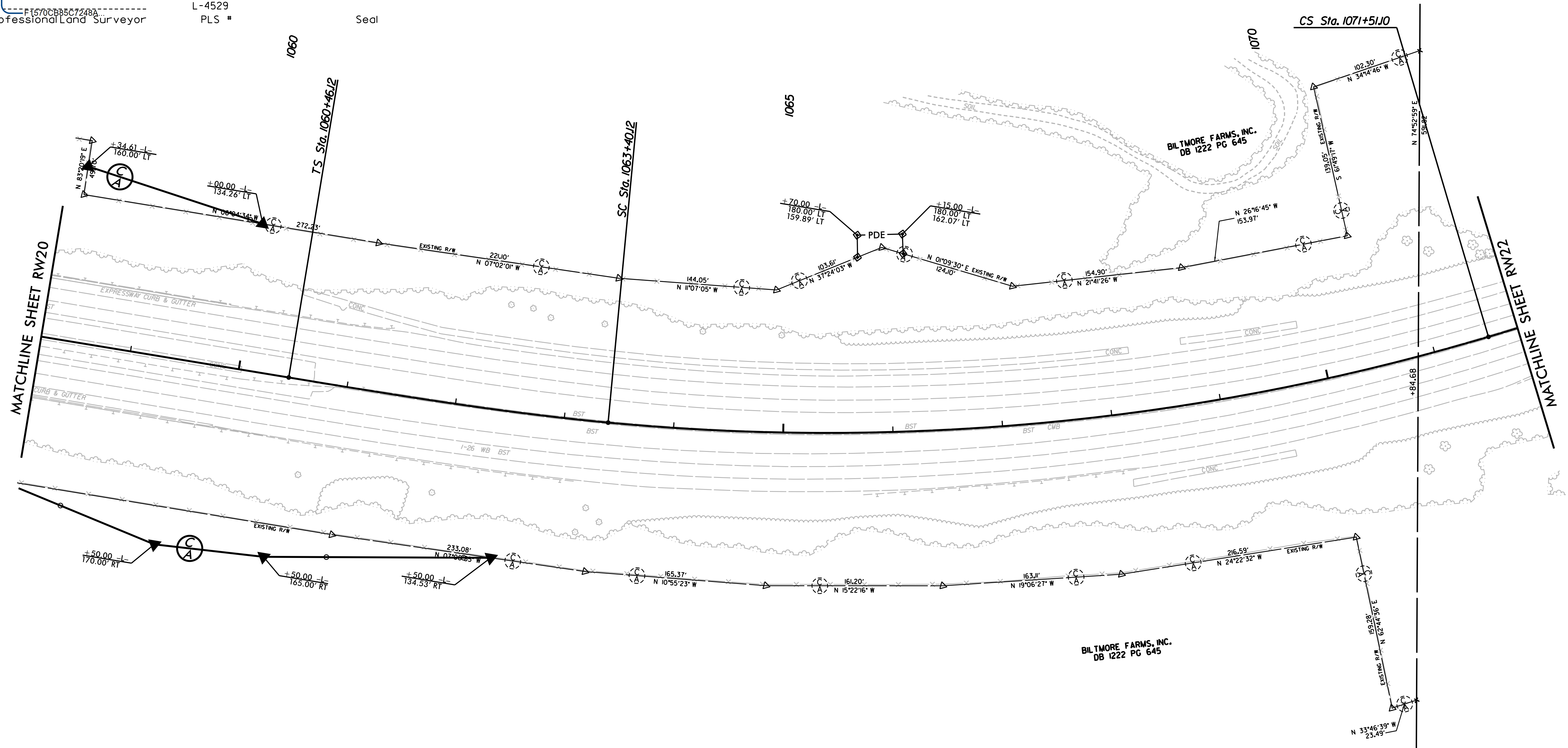
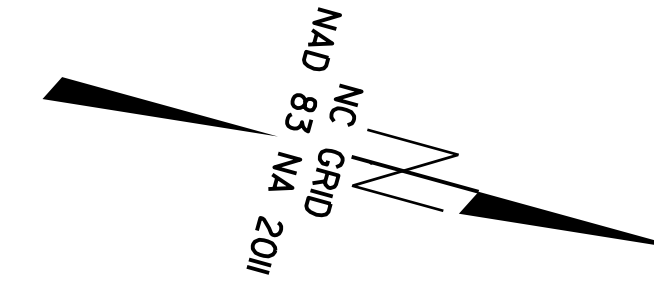
PROJECT REFERENCE NO. I-4700	SHEET NO. RW21
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 17th day of September, 2018.

DocuSigned by:  
*Mark A. Parris*  
Professional Land Surveyor L-4529  
F1570CB85C7248A PLS # Seal



REVISIONS

MATCHLINE SHEET RW20

MATCHLINE SHEET RW22

**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.

18-MAR-2019 15:05  
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