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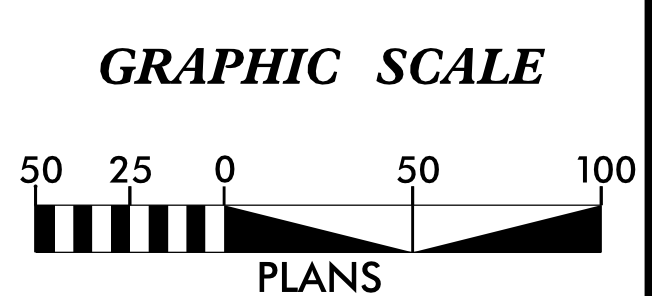
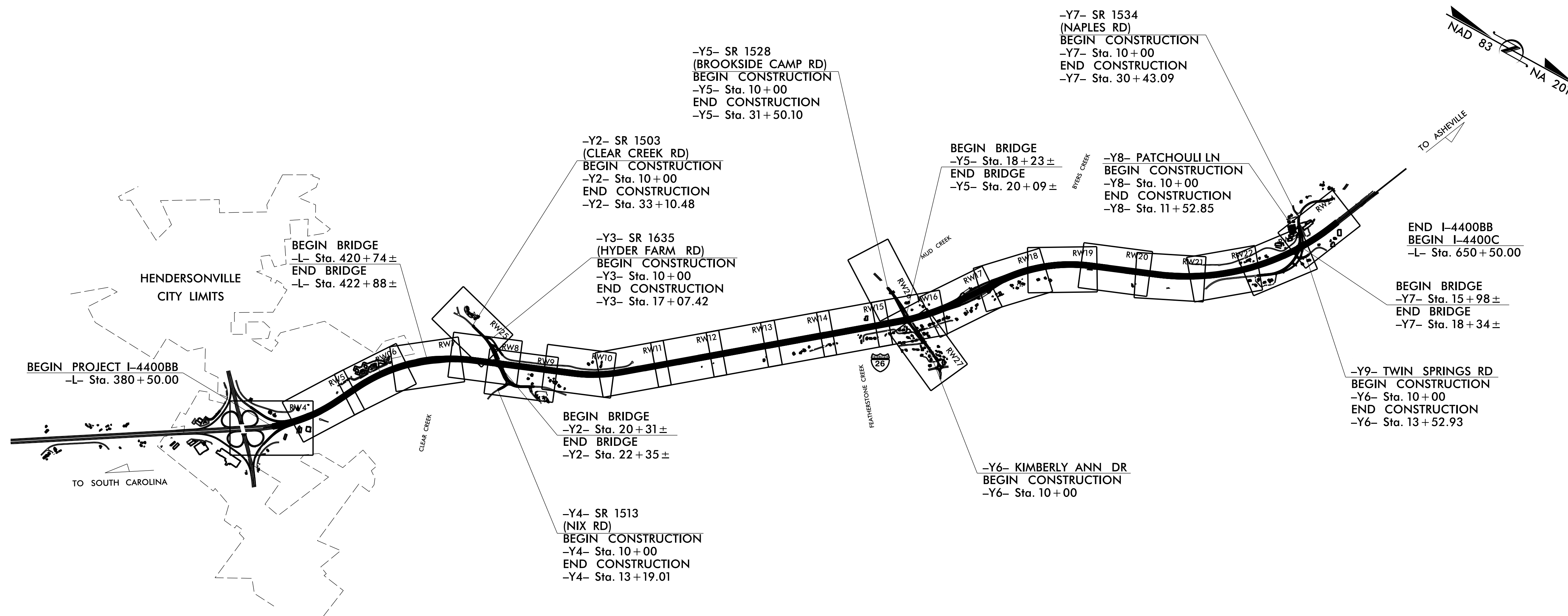
TIP PROJECT: I-4400BB

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-4400BB	RW01	

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

# HENDERSON COUNTY

LOCATION: I-26 FROM 0.05MI NORTH OF US 64  
 TO 0.5MI SOUTH OF US 25 (ASHEVILLE HIGHWAY)



### DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT 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 380+50 IS S 38-52'48.4" E 39,593.29(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

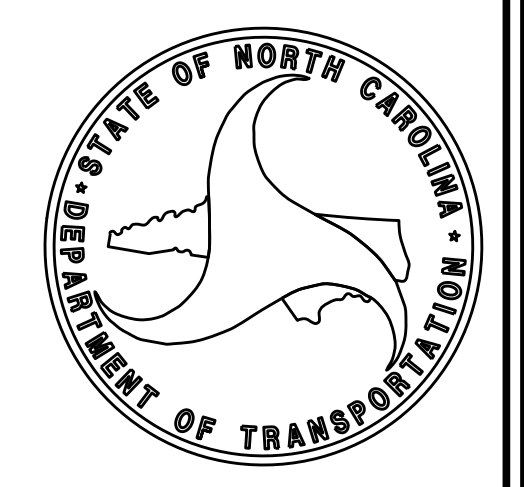
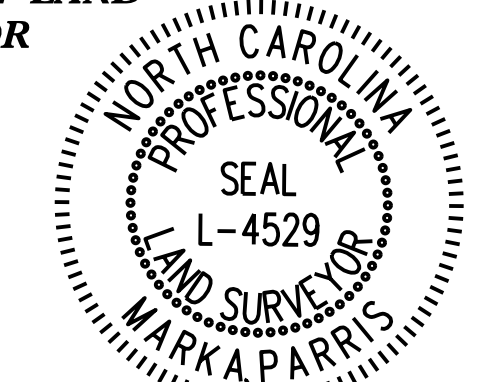


2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
November 2018

LETTING DATE:  
June 18, 2019

PROFESSIONAL LAND SURVEYOR




DocuSigned by:  
*Mark A. Parry*  
SIGNATURE: \_\_\_\_\_

Date: \_\_\_\_\_

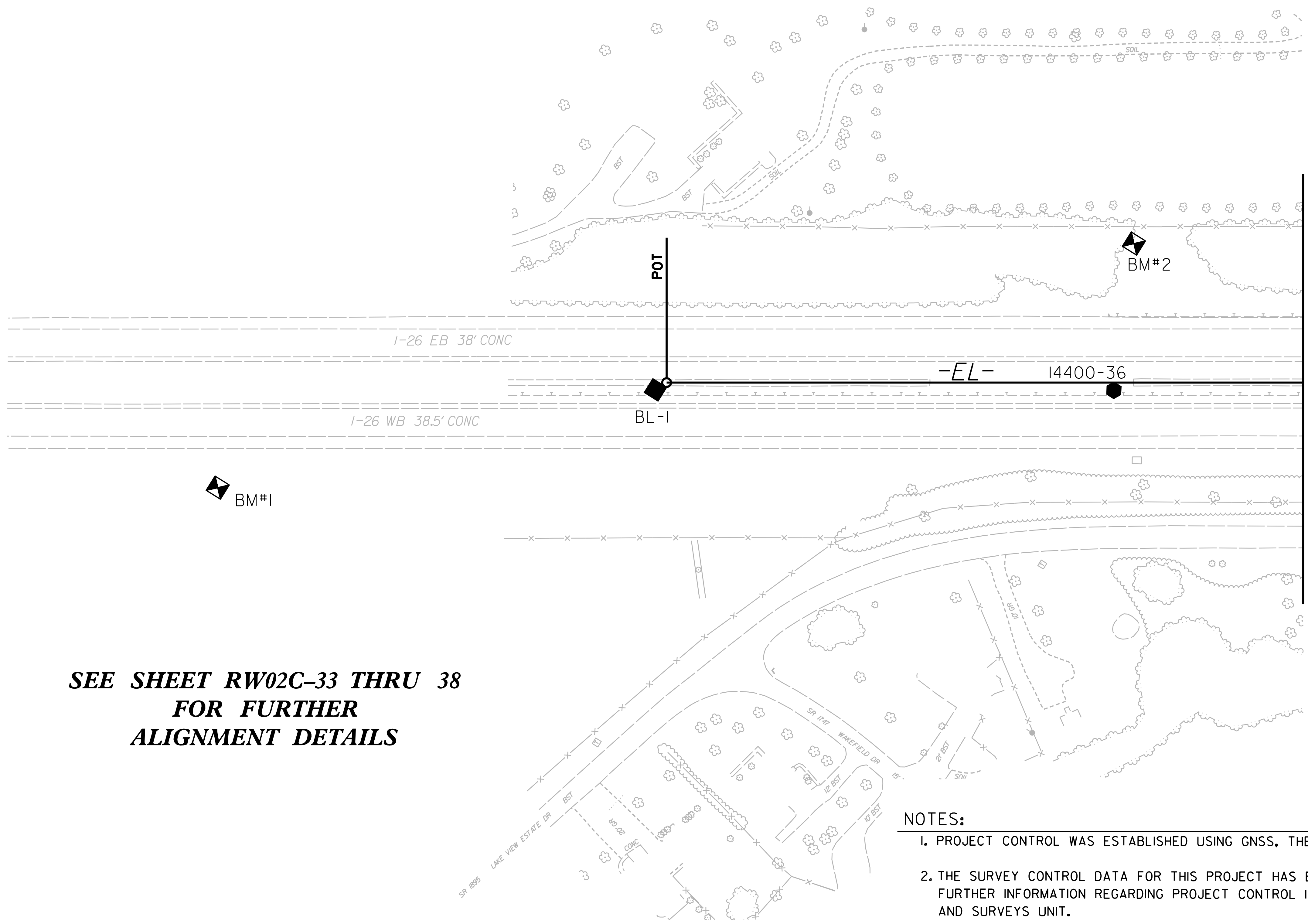
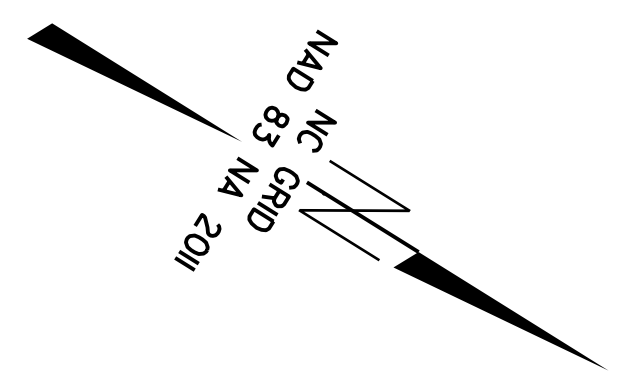
\$\$\$\$\$ SYSTEM \$\$\$\$\$\$  
 \$\$\$ DDN \$\$\$  
 \$\$\$ USERNAME \$\$\$

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-1
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION




**SEE SHEET RW02C-33 THRU 38  
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.

REVISIONS

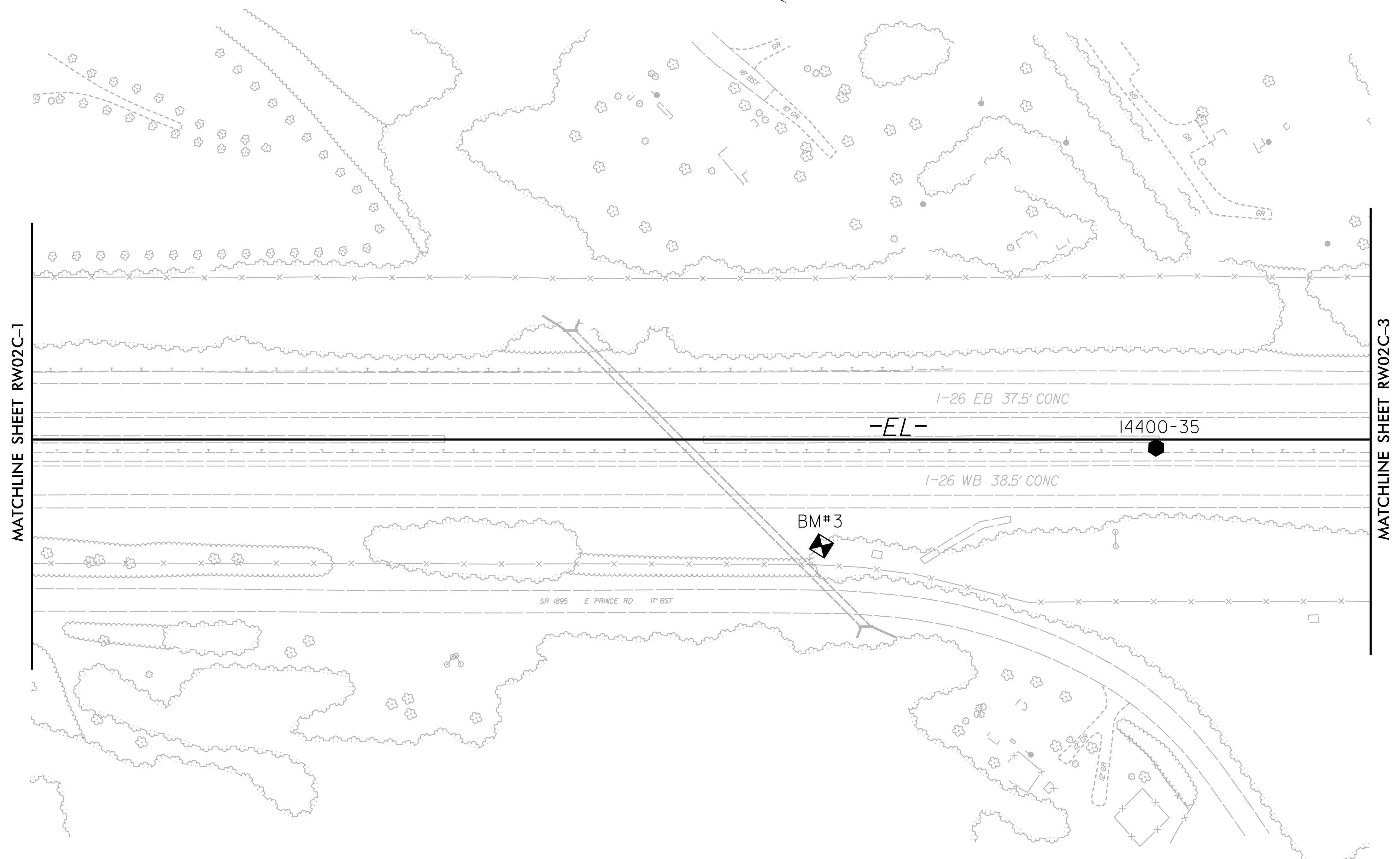
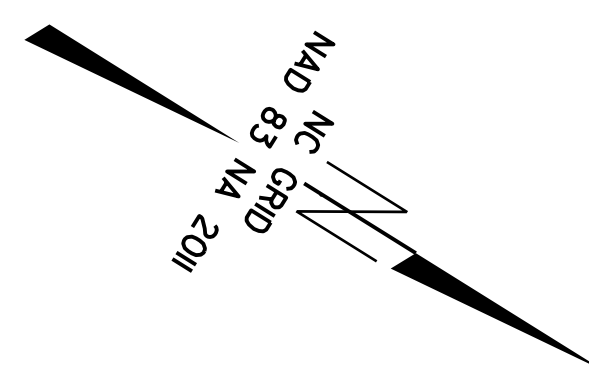
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 icqor.don AT VDF-MKIEW-28



PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-2
Location and Surveys	
	

# 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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 6/2/09

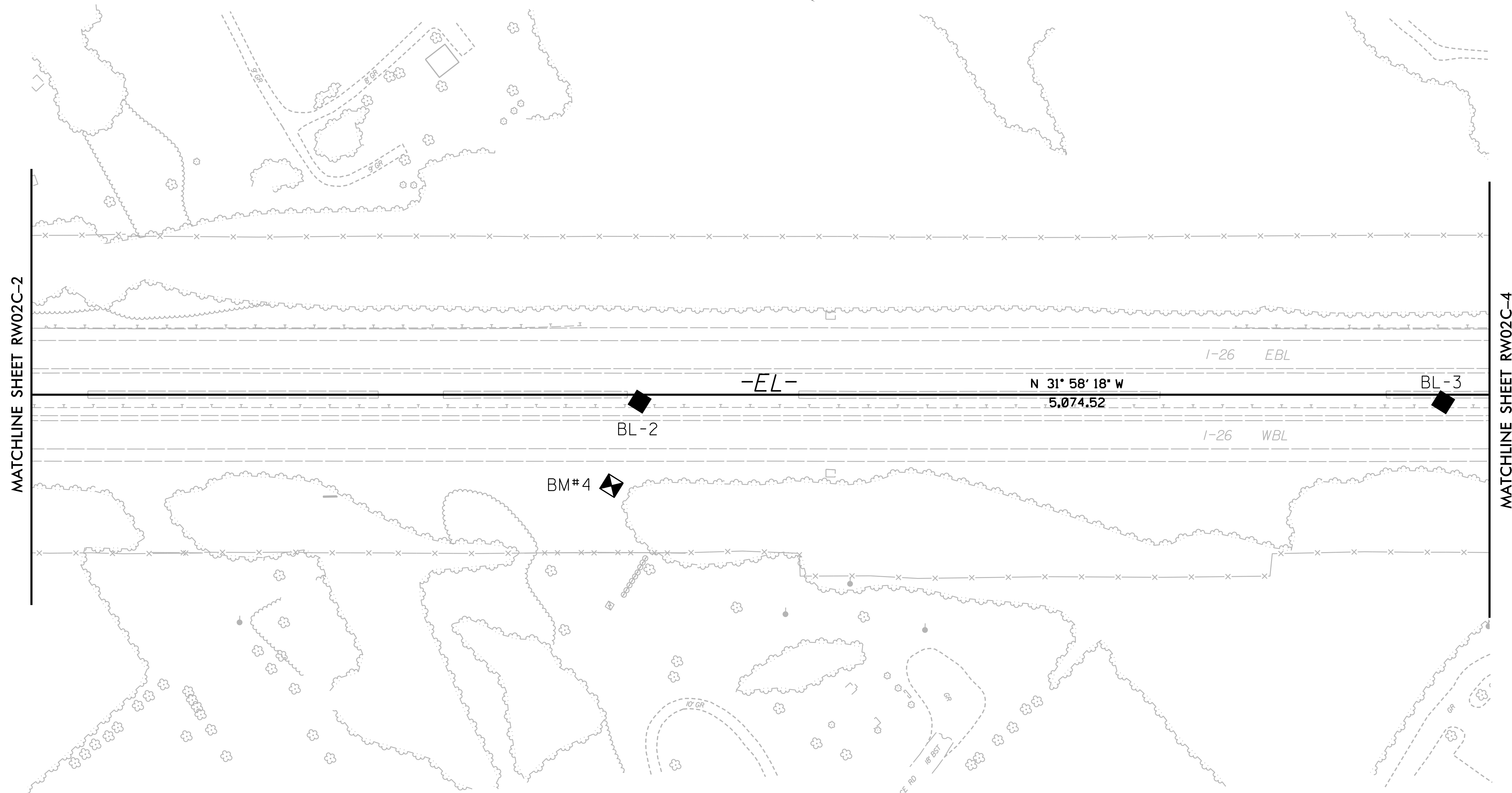
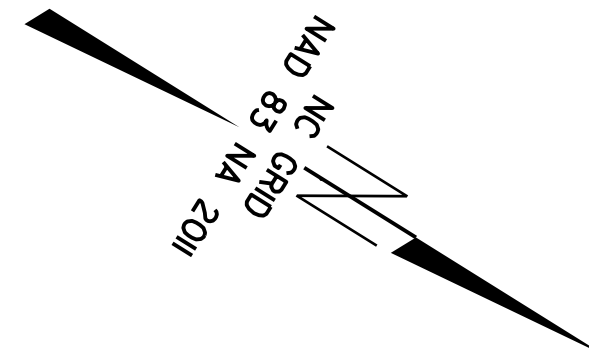


6/2/09

# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-3
Location and Surveys	
	



REVISIONS

MATCHLINE SHEET RW02C-2

MATCHLINE SHEET RW02C-4


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

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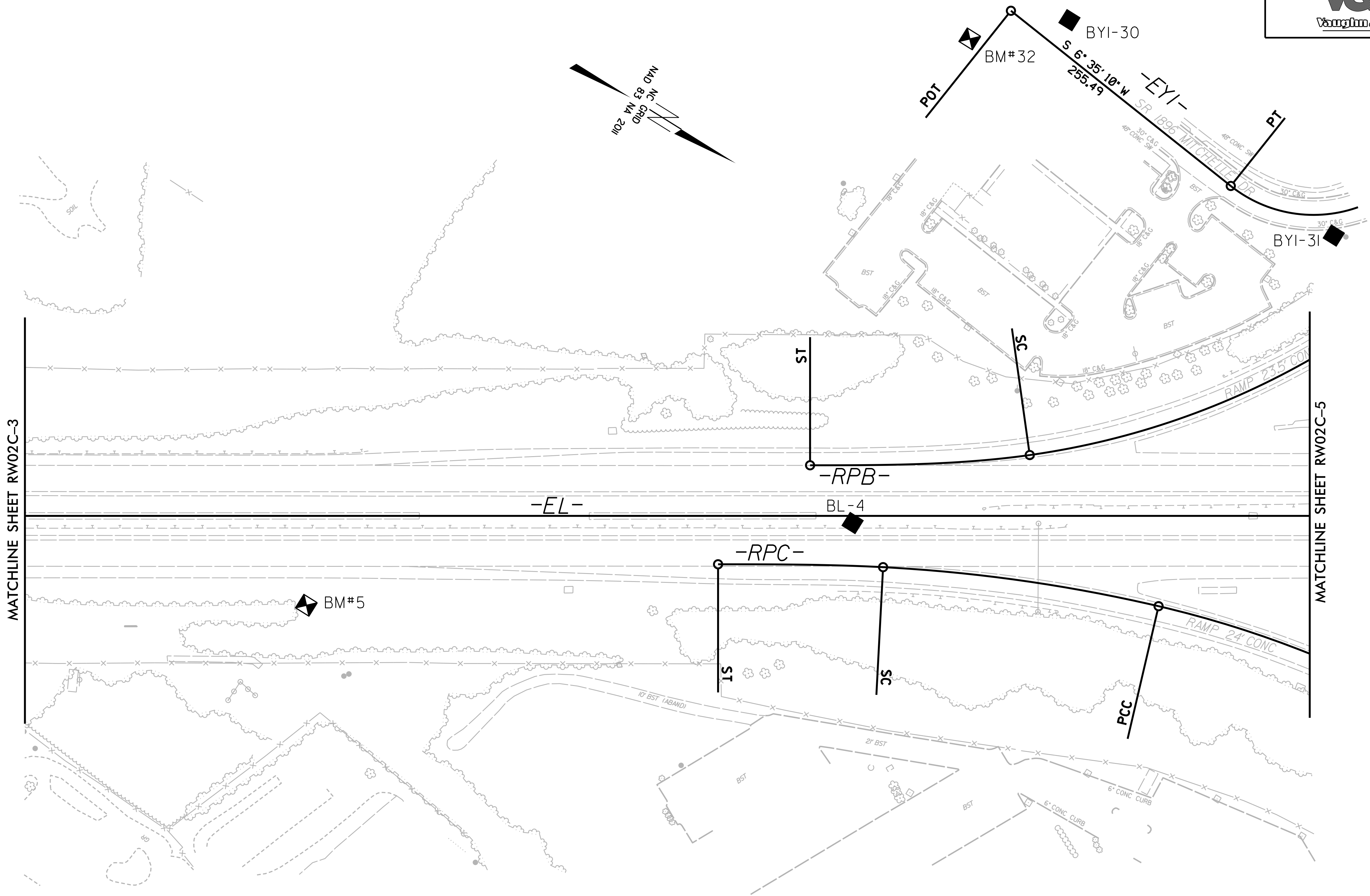
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-4
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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

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REVISIONS


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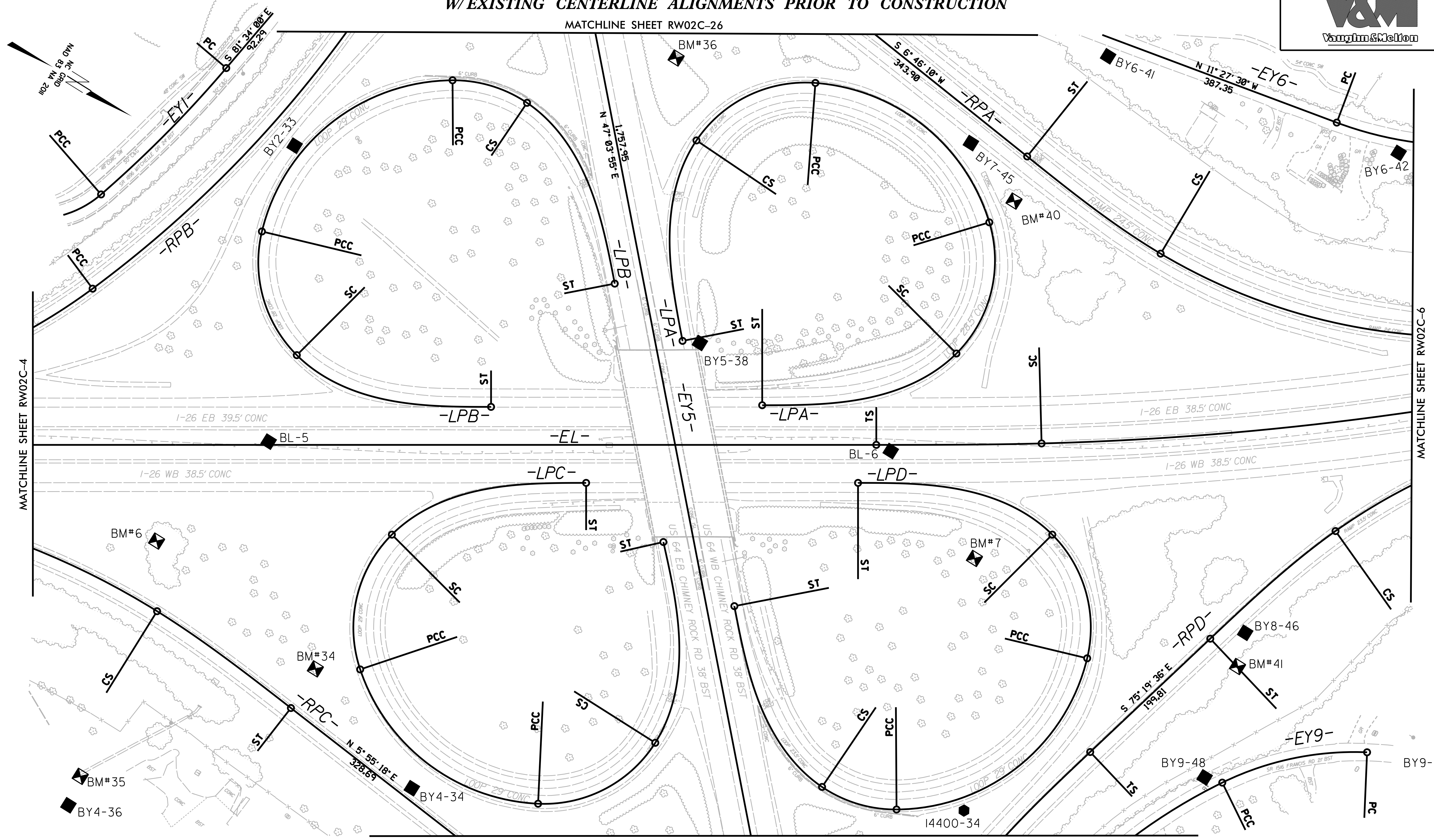
6/2/09

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

MATCHLINE SHEET RW02C-26

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-5
Location and Surveys	
	



REVISIONS

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

MATCHLINE SHEET RW02C-27

### NOTES:

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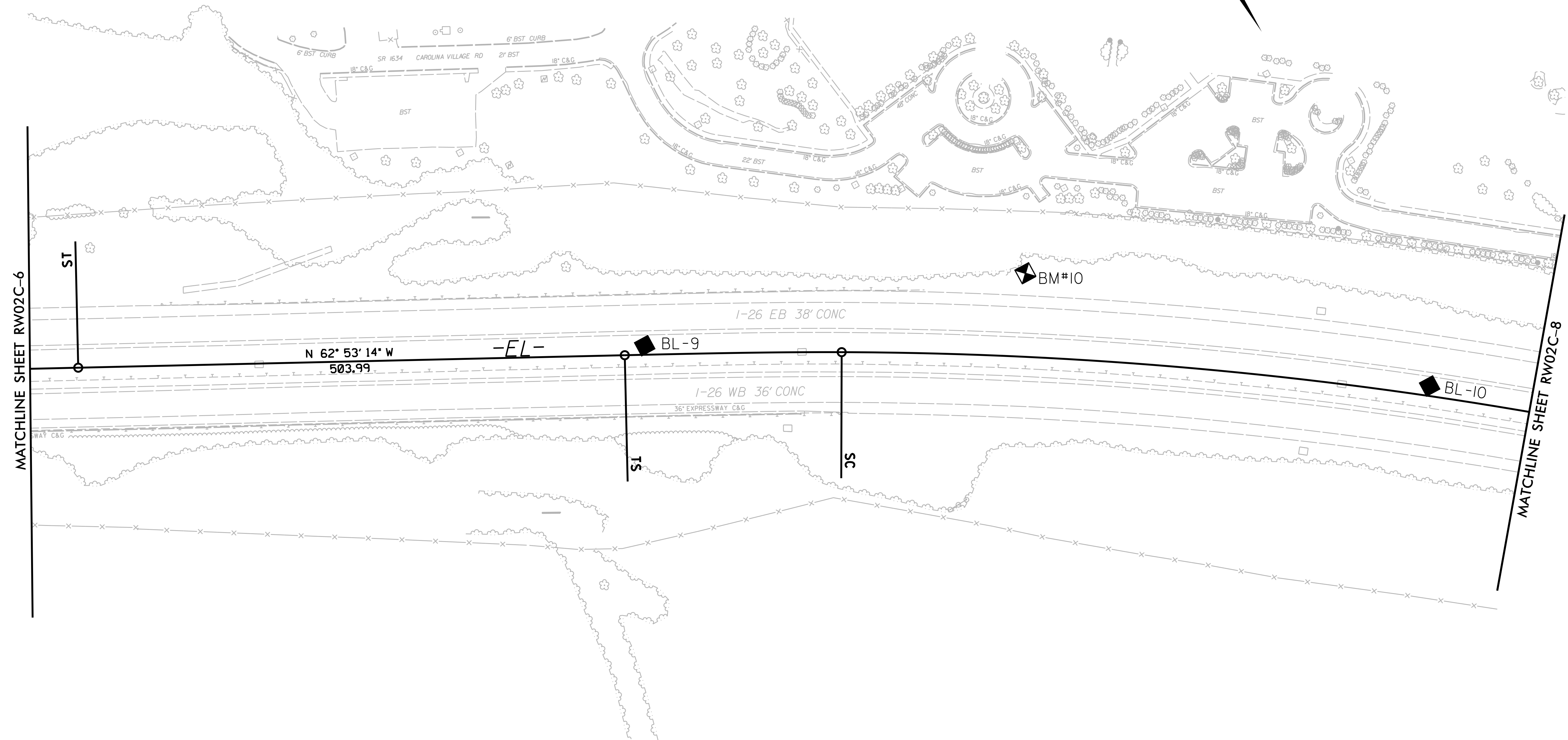
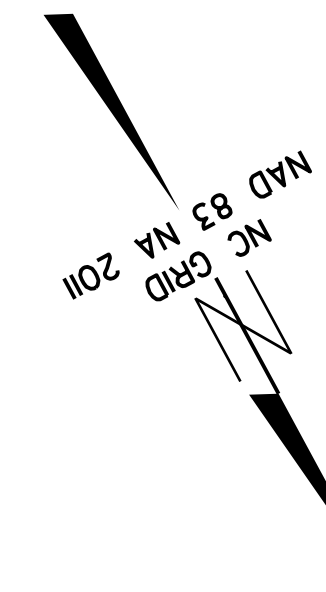


6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-7
Location and Surveys	
	



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


**NOTES:**

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REVISIONS

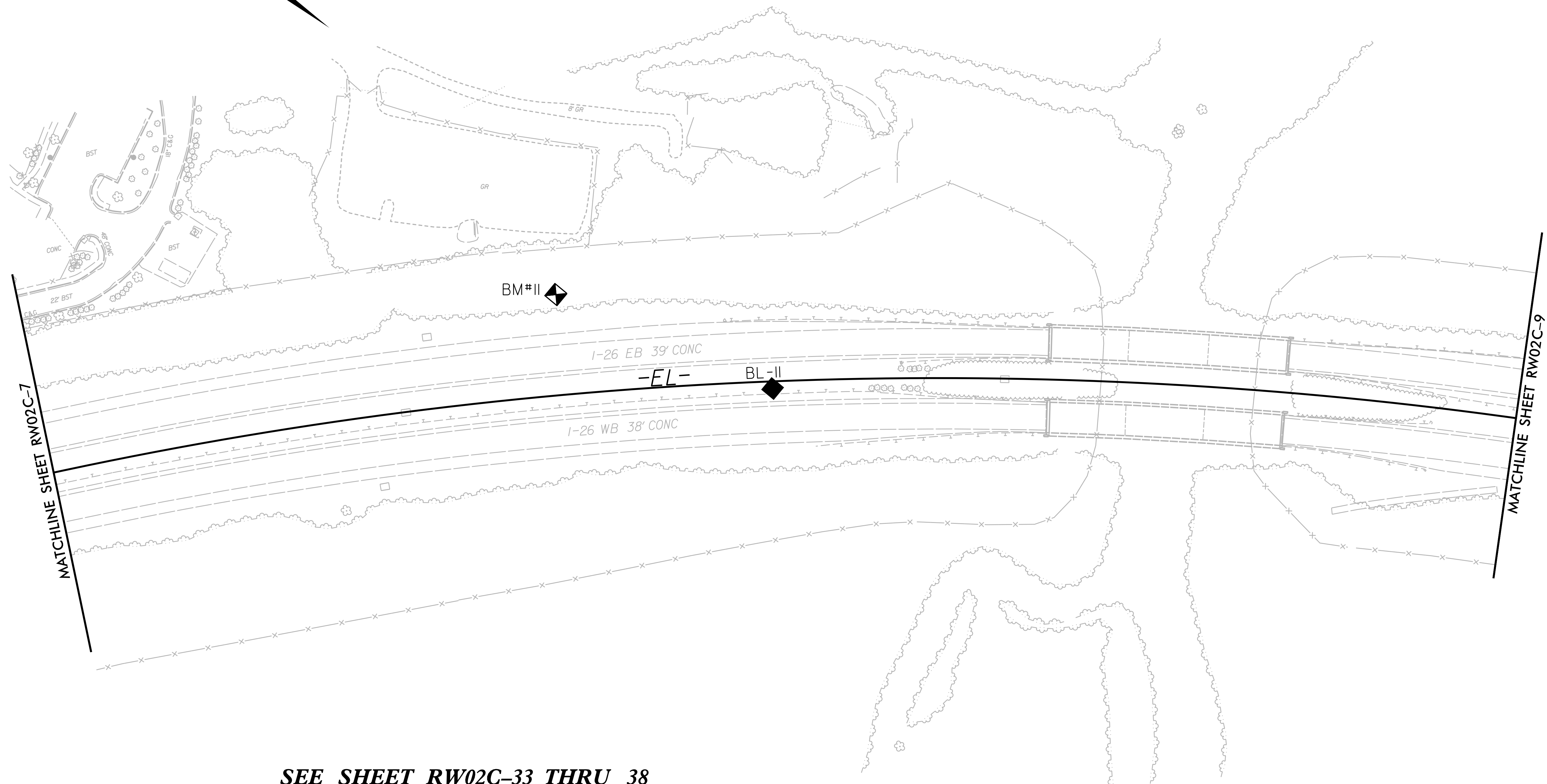
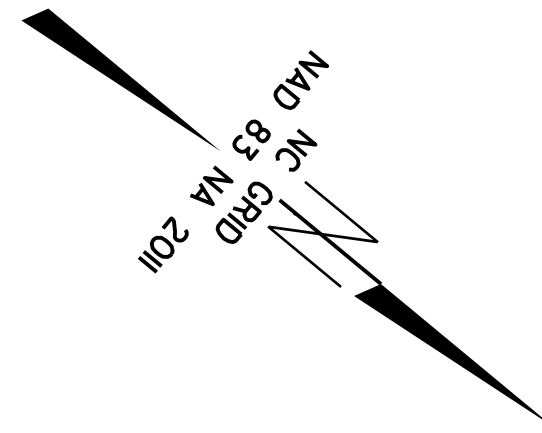
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-8
Location and Surveys	
	

# 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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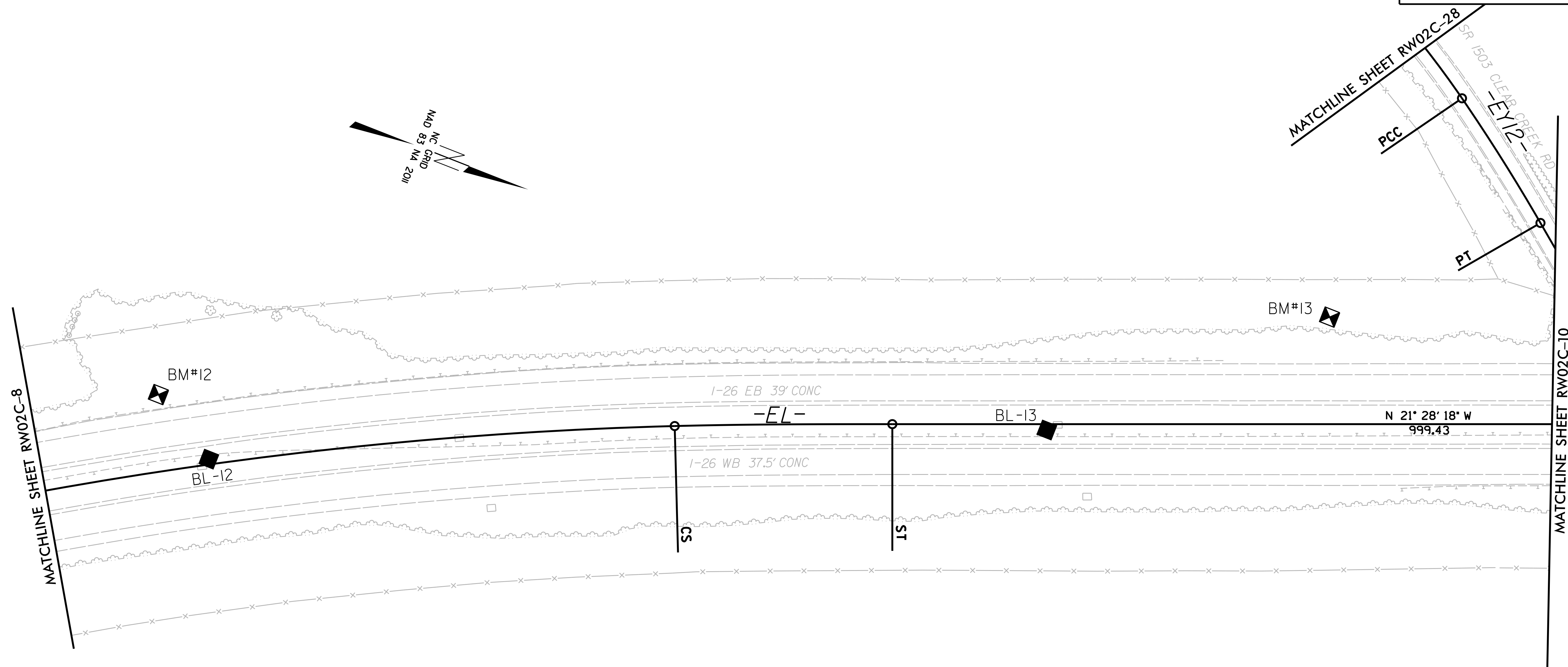
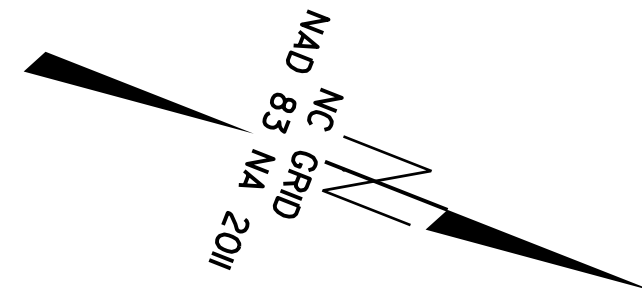


6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-9
Location and Surveys	
	



REVISIONS


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

**NOTES:**

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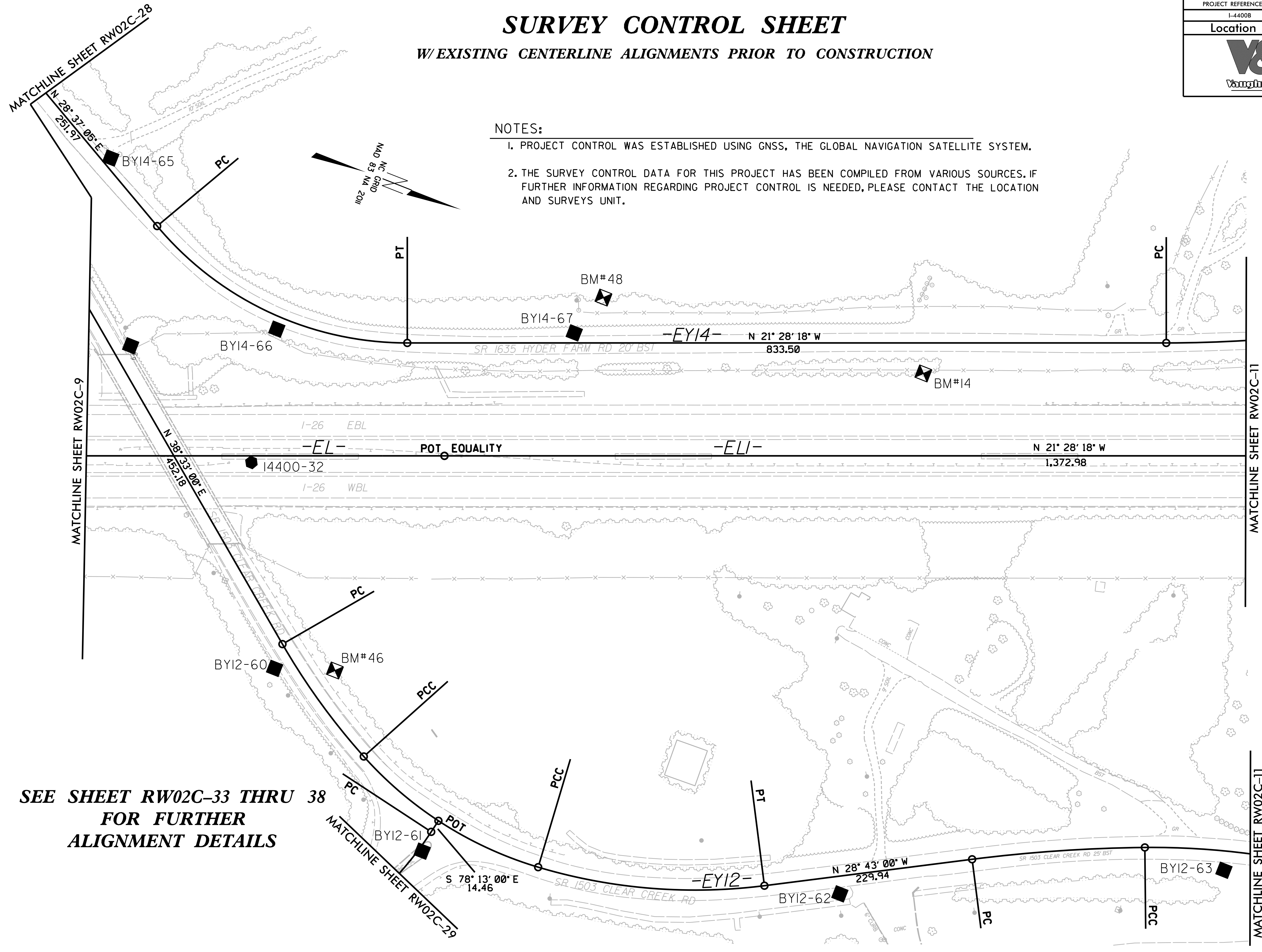
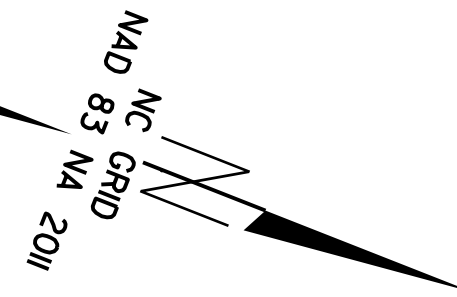
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Location and Surveys	
	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

### NOTES:

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


REVISIONS

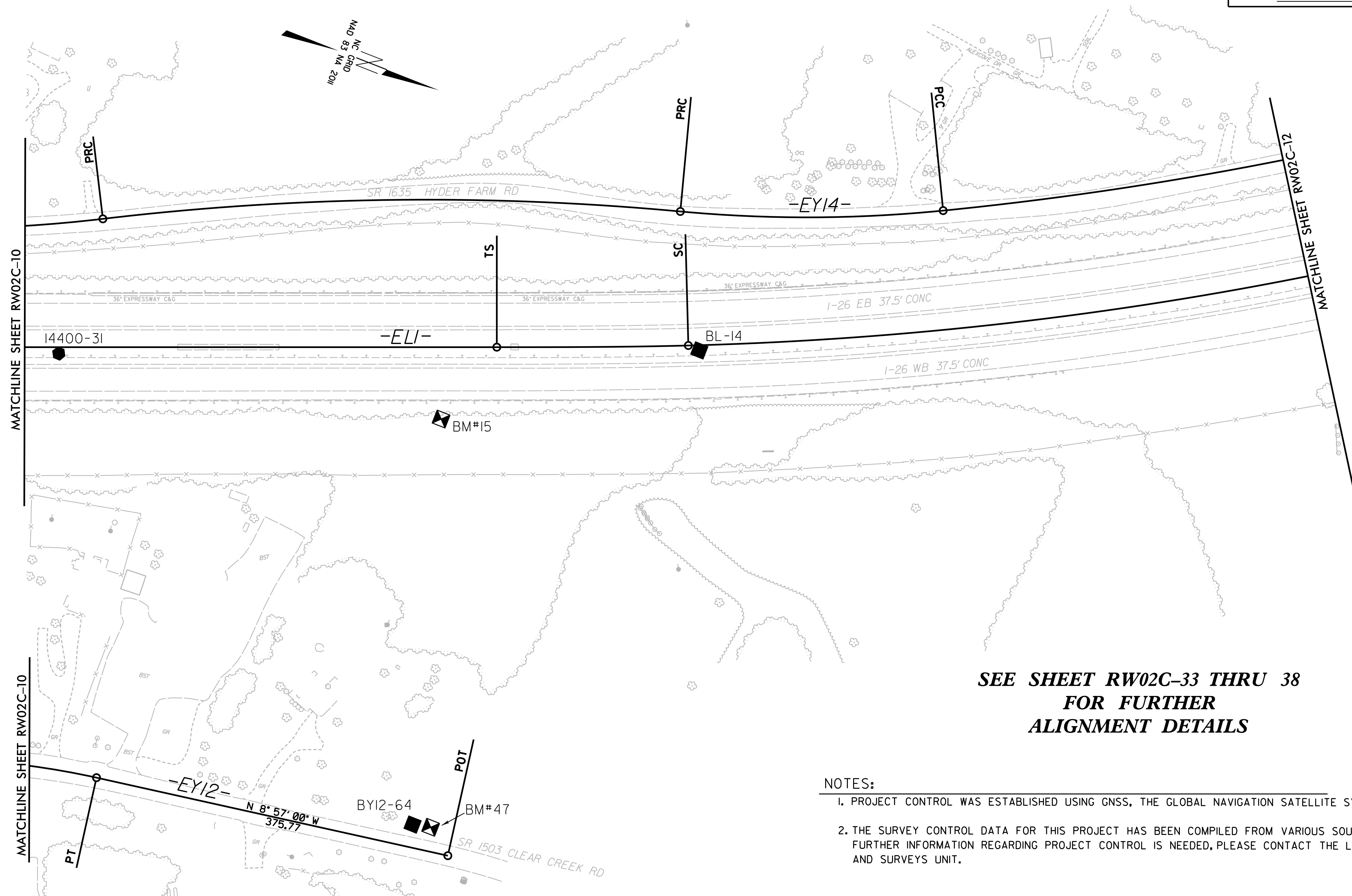
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 icapordon AT VDF-MKLEW-27

6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-11
Location and Surveys	
	



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

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REVISIONS

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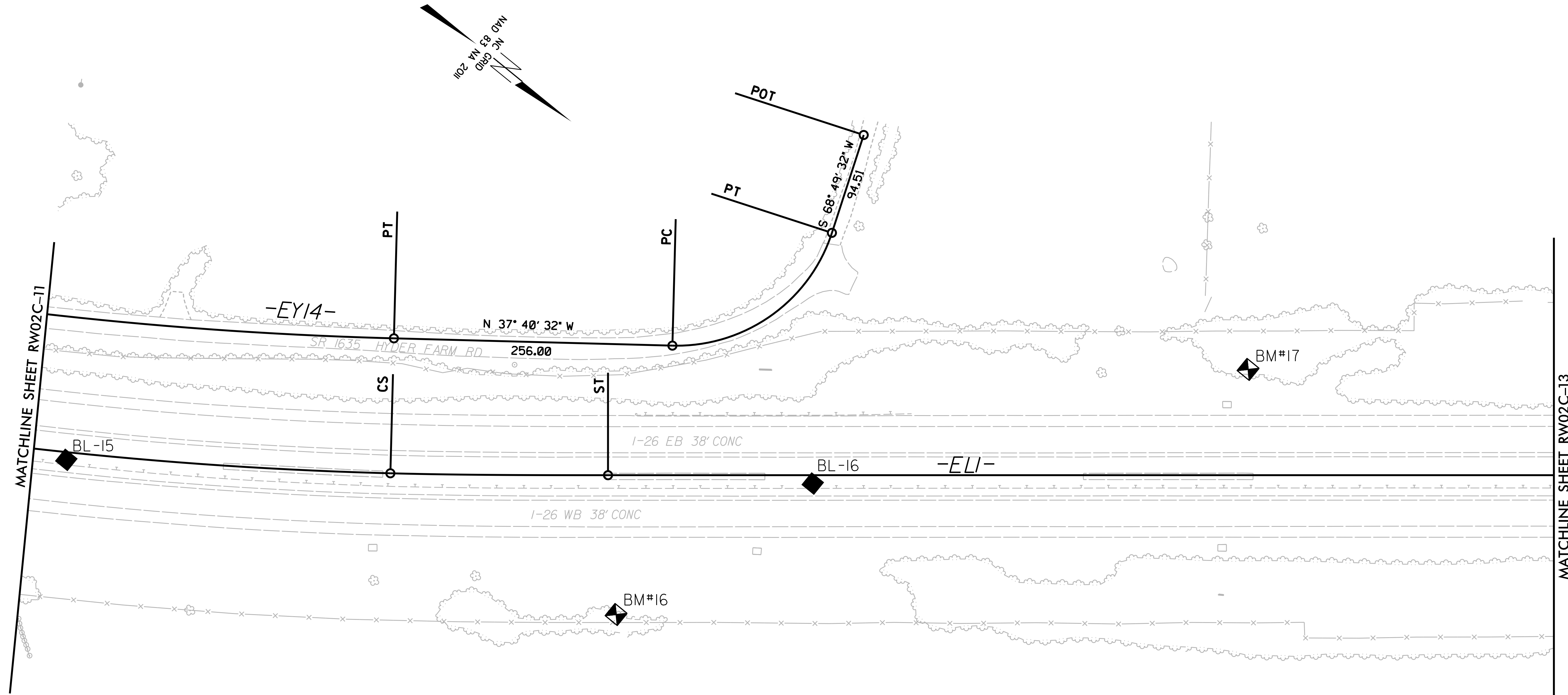


6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-12
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS

MATCHLINE SHEET RW02C-11

MATCHLINE SHEET RW02C-13


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

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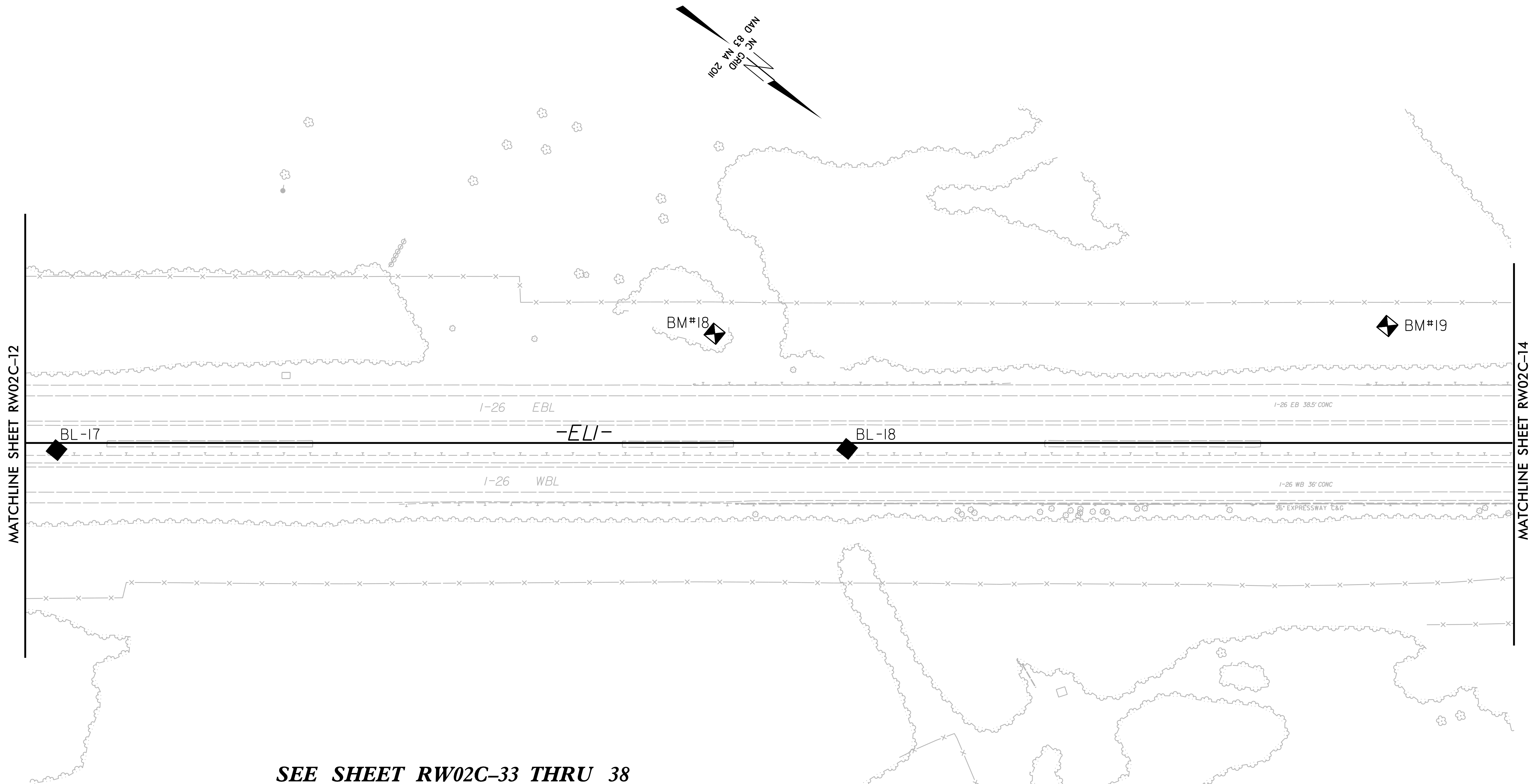
6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-13
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS




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

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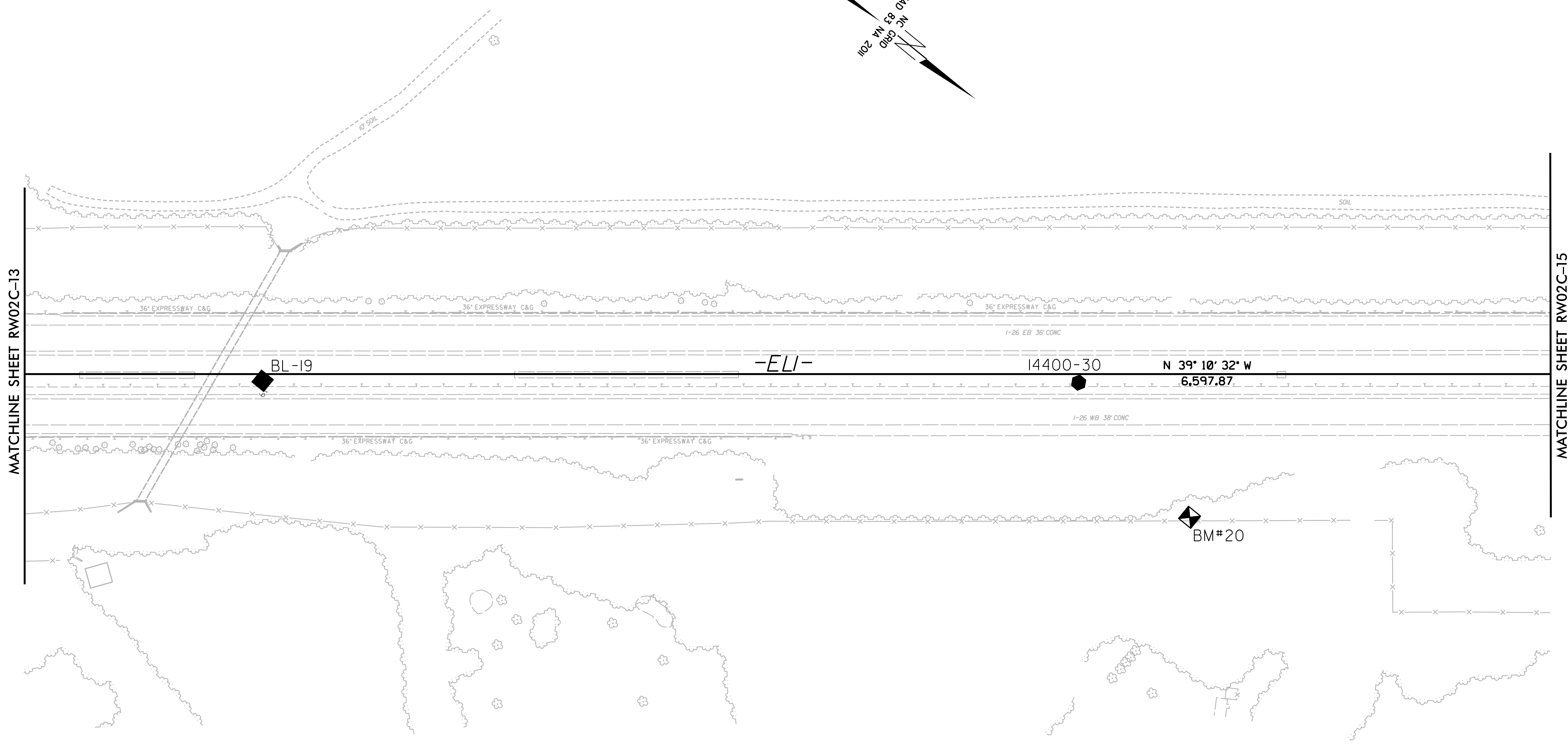
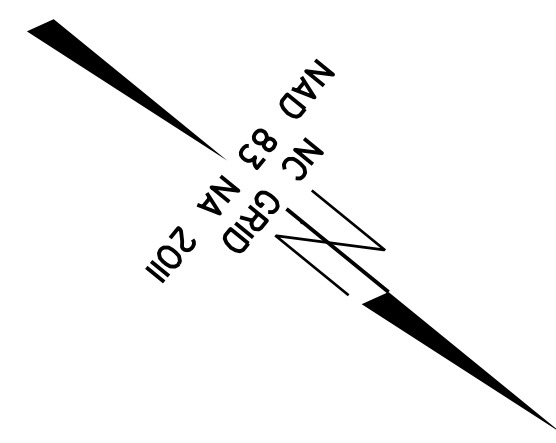
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-14
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS

MATCHLINE SHEET RW02C-13

MATCHLINE SHEET RW02C-15

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


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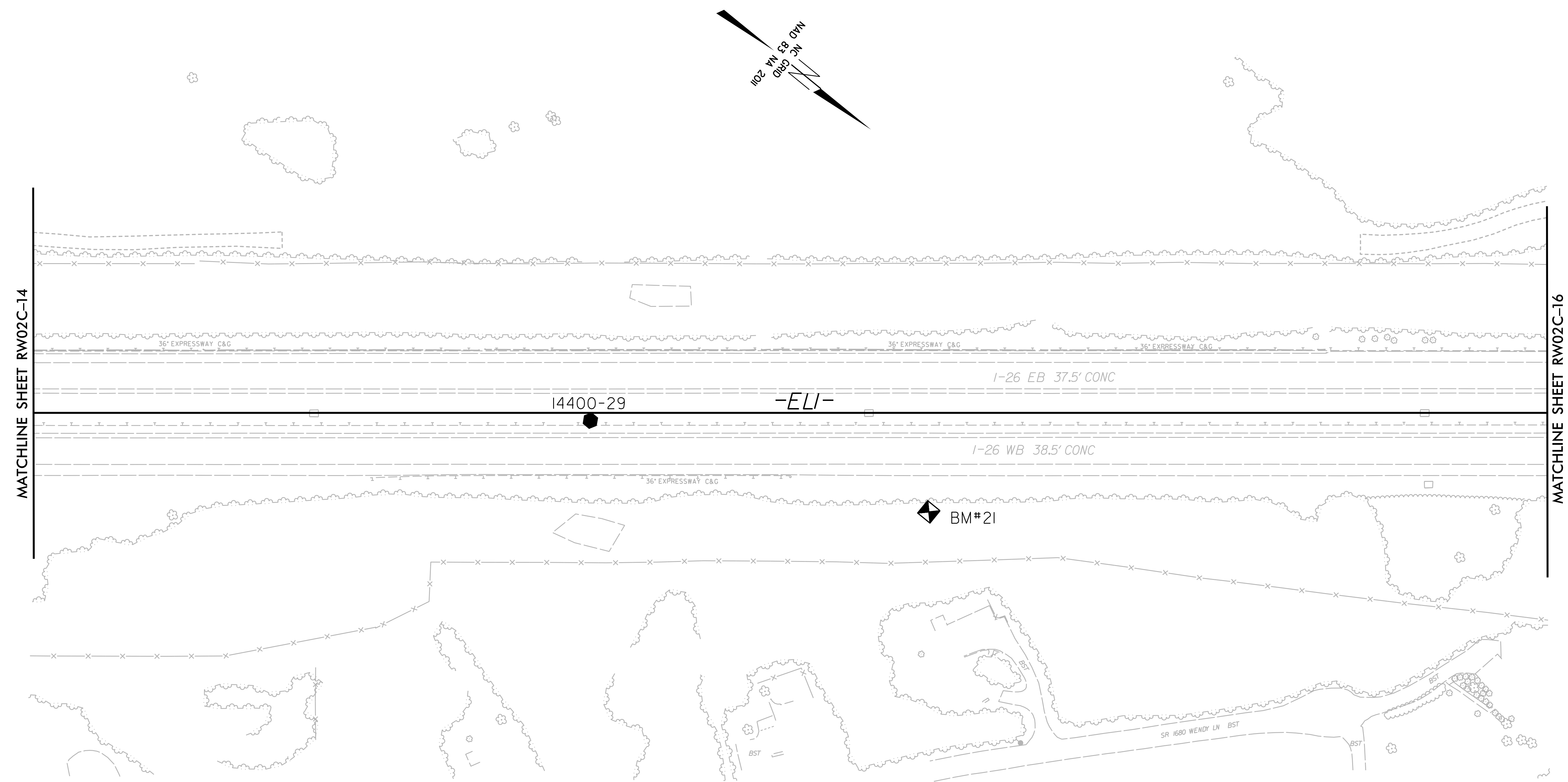
6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-15
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS




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 icapordn AT VDF-MKIEK-27

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

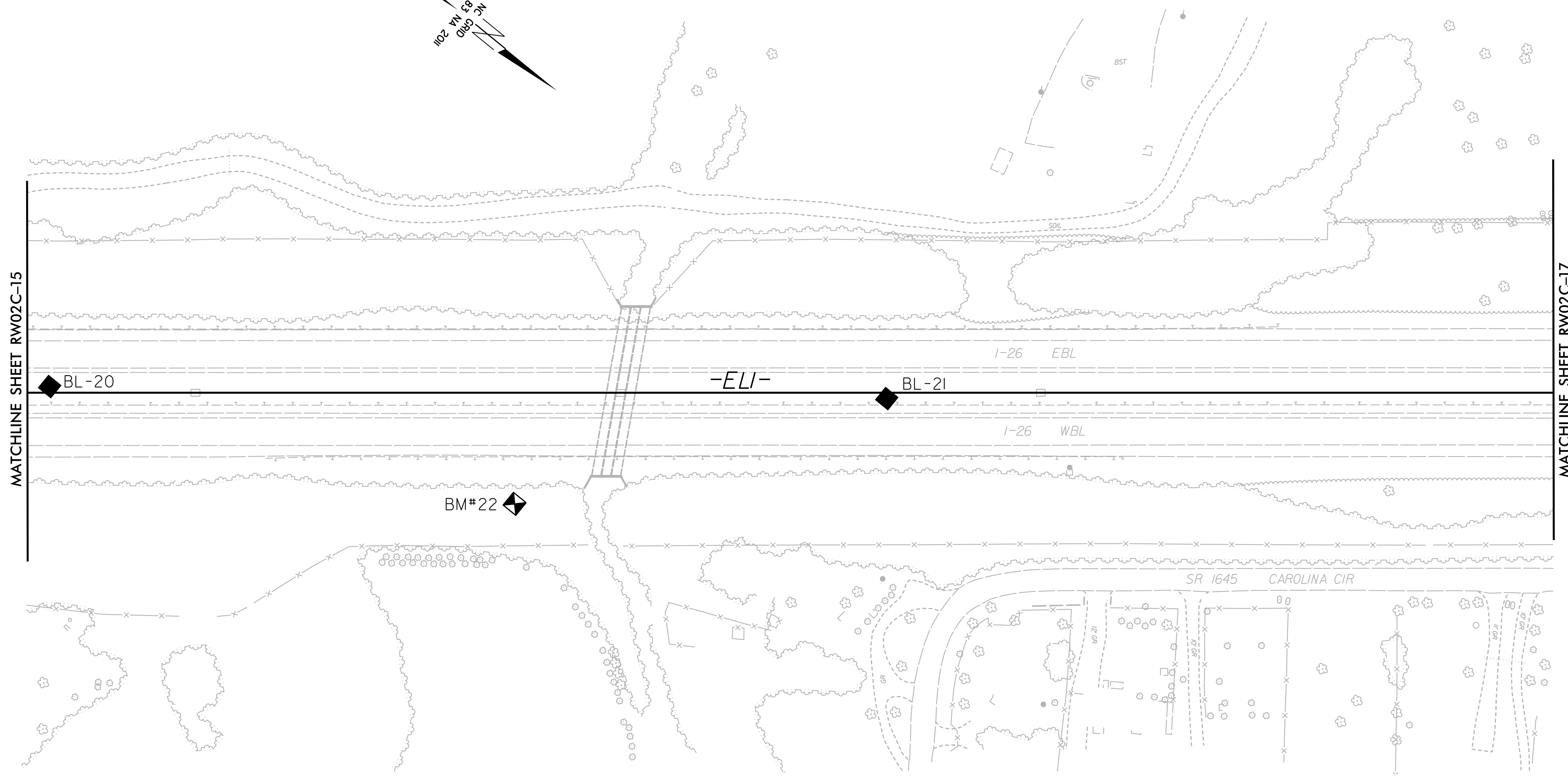
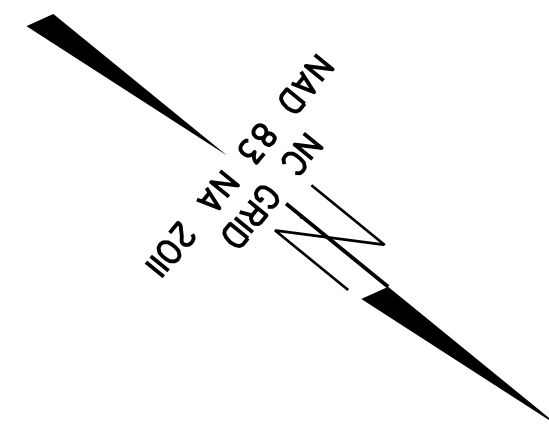
- NOTES:**
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-16
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS

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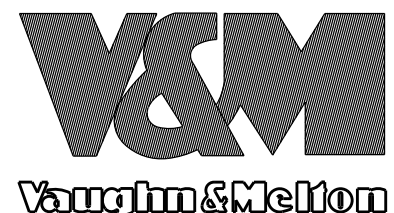
**SEE SHEET RW02C-33 THRU 38  
 FOR FURTHER  
 ALIGNMENT DETAILS**

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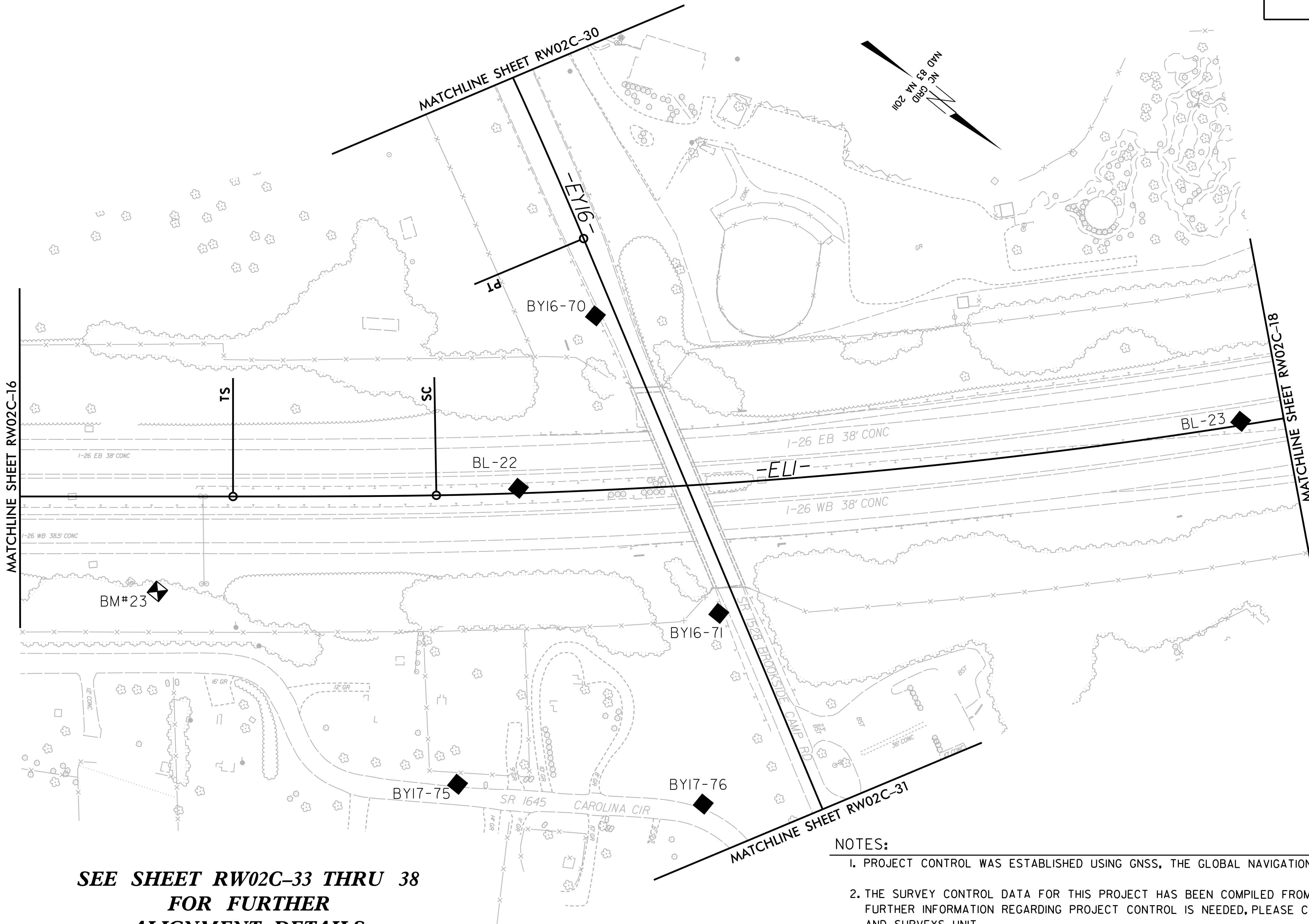
6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-17
Location and Surveys	
	

REVISIONS



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


**NOTES:**

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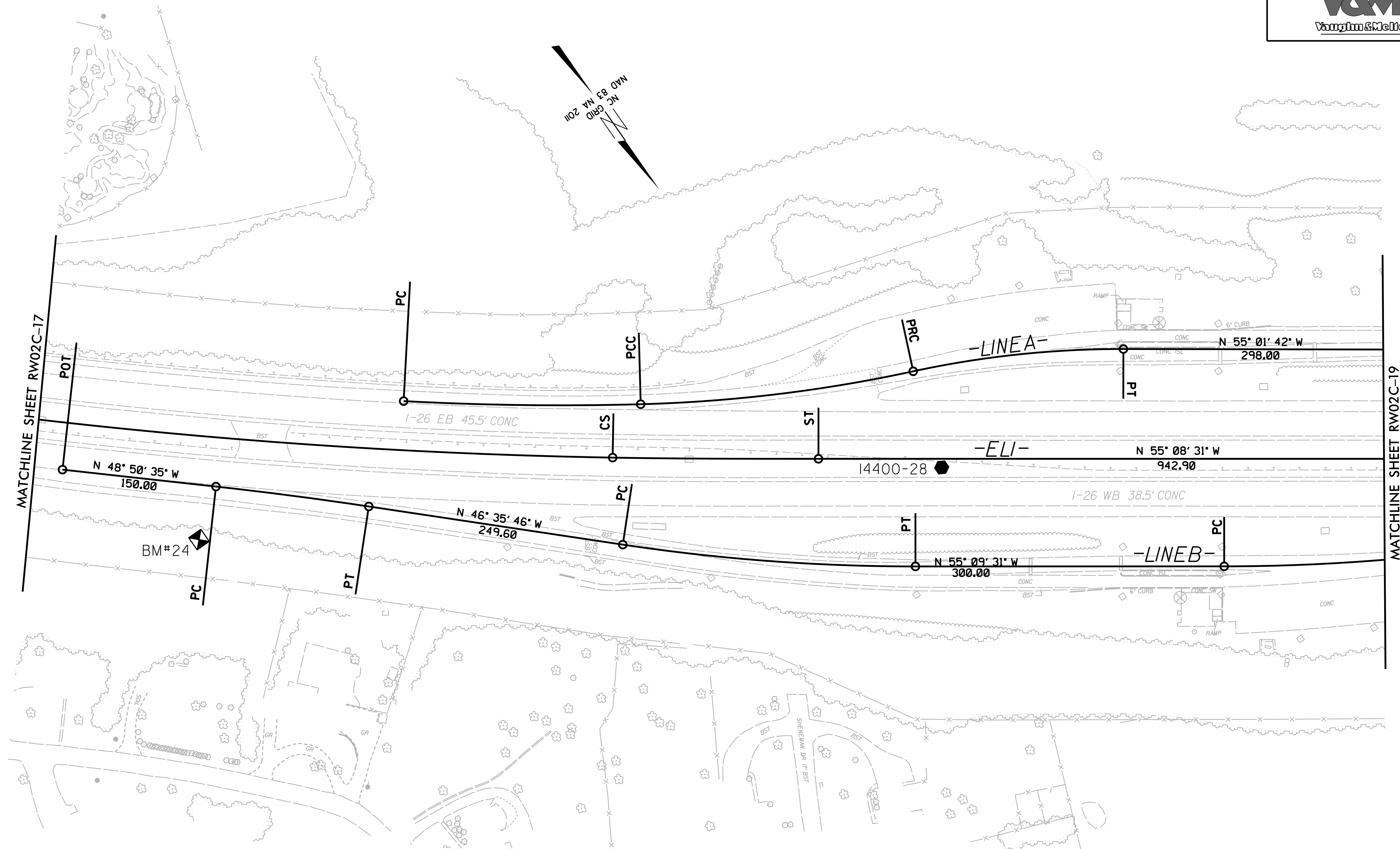


6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-18
Location and Surveys	
	

# 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

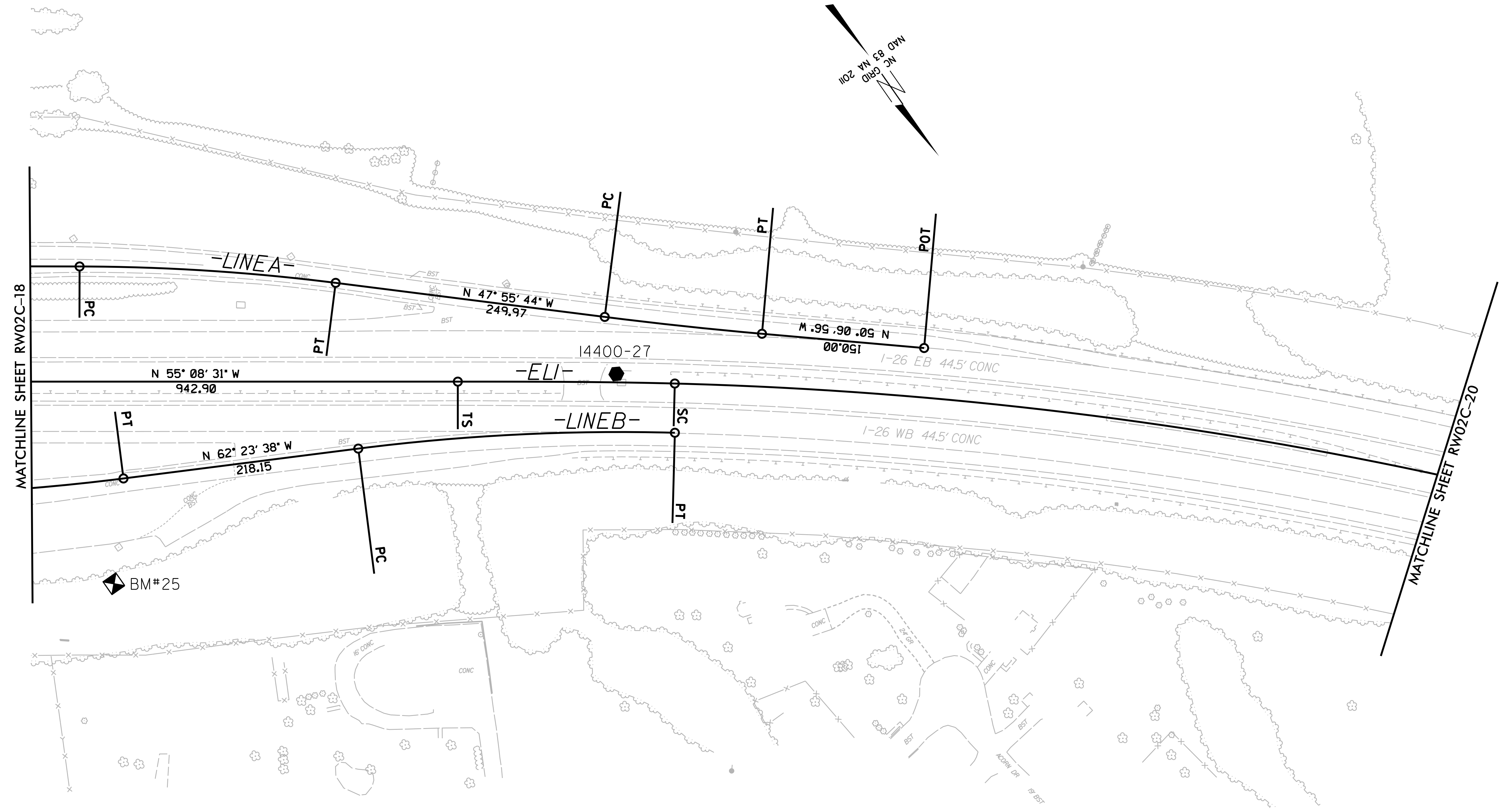
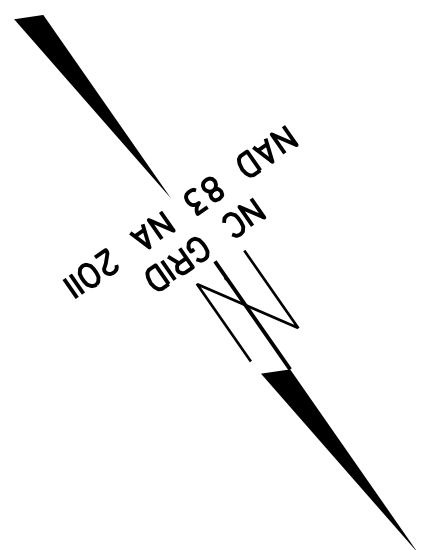
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 icapordn AT VDF-MKIEK-5

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-19
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS


03-APR-2019 09:58  
 V:\Ashville\surveys\2019\31912-02 I-4400B RW Staking\Work\I4400B\_1s\_RW02C-19.dgn  
 icapordn

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

**NOTES:**

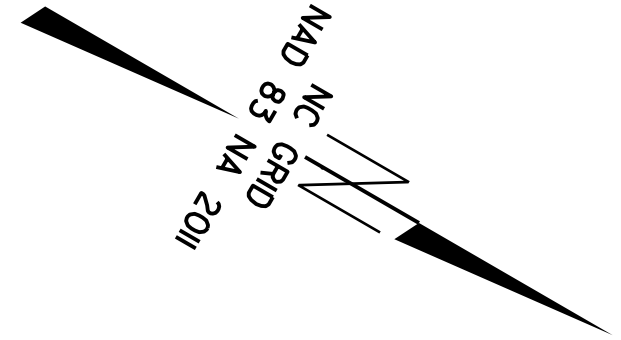
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/09

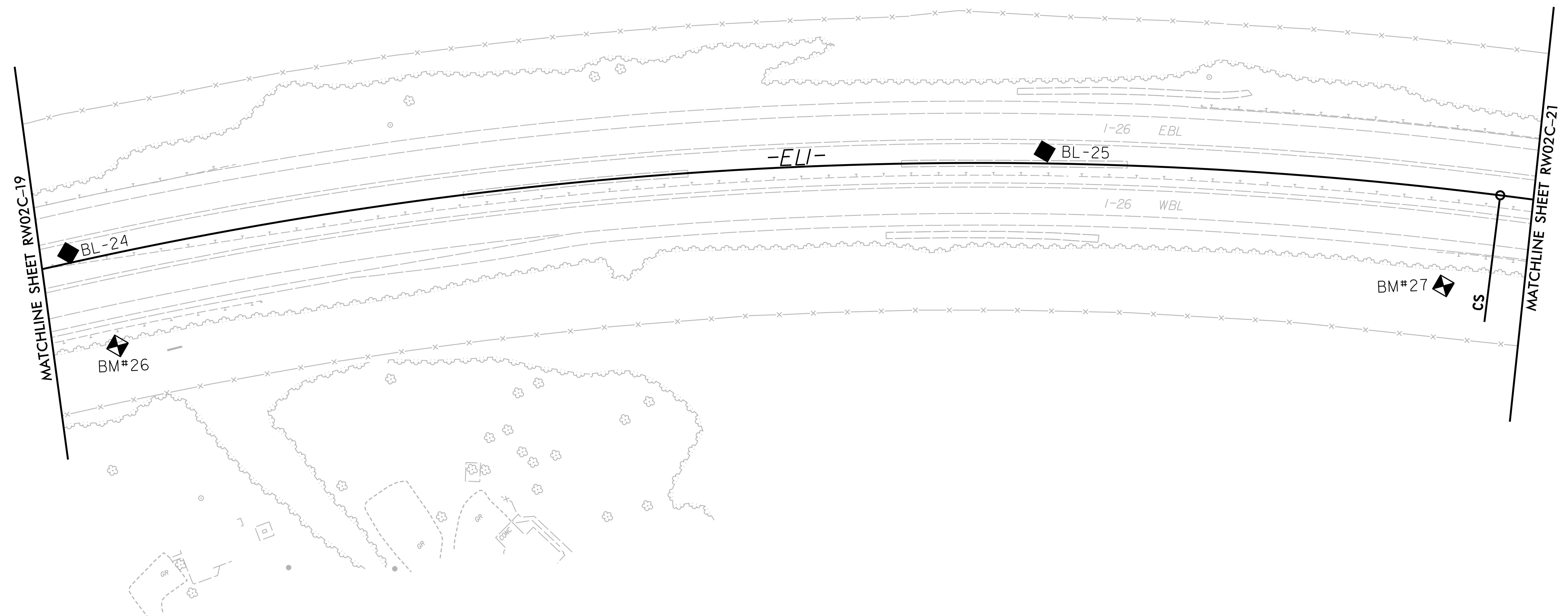
PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-20
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS



**SEE SHEET RW02C-33 THRU 38  
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.

05-MAR-2019 11:42  
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 icgordon AT VDF-MKIEK-51

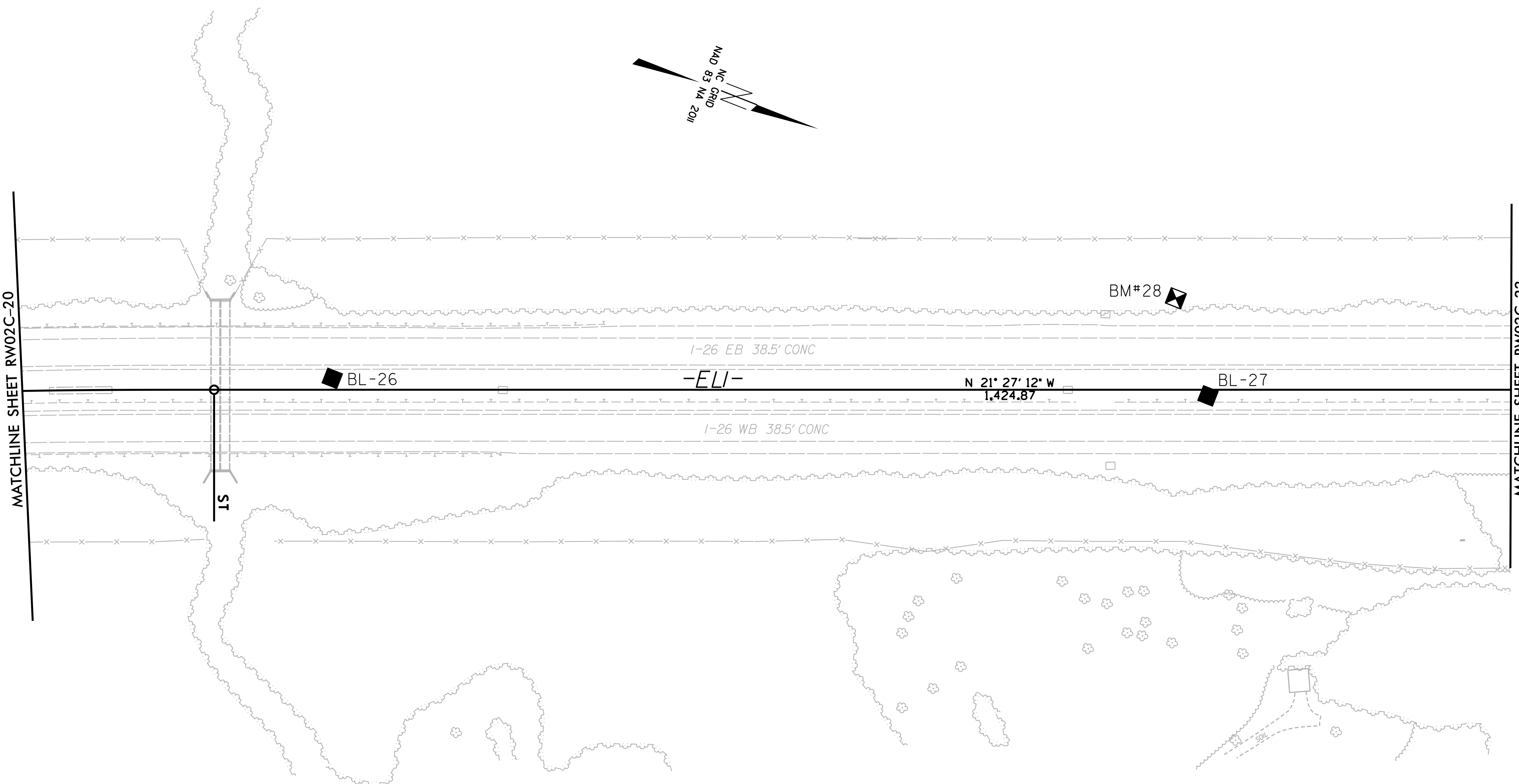


6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-21
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS


05-MAR-2019 13:14  
 V:\Asheville\Surveys\2019\31912-02 I-4400BB RW Staking\Work\I4400B\_1s\_RW02C-21.dgn  
 icapordn AT VDF-MKIEK-5

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

**NOTES:**

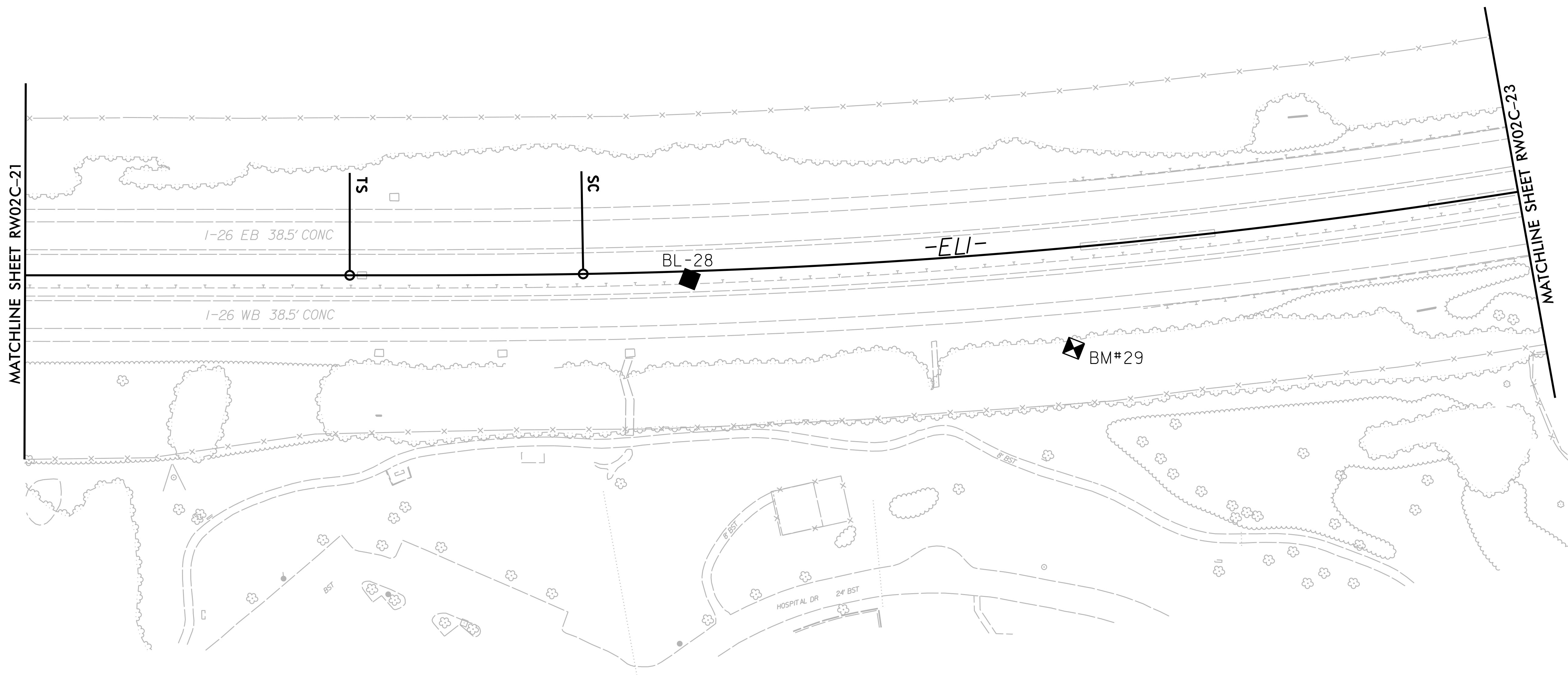
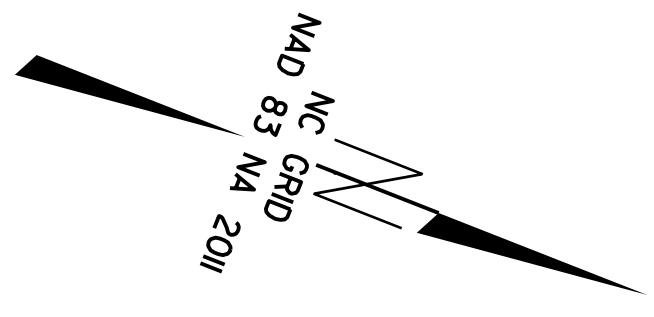
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-22
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION




REVISIONS

05-MAR-2019 13:27  
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 icapordn AT VDF-MKIEK-5

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

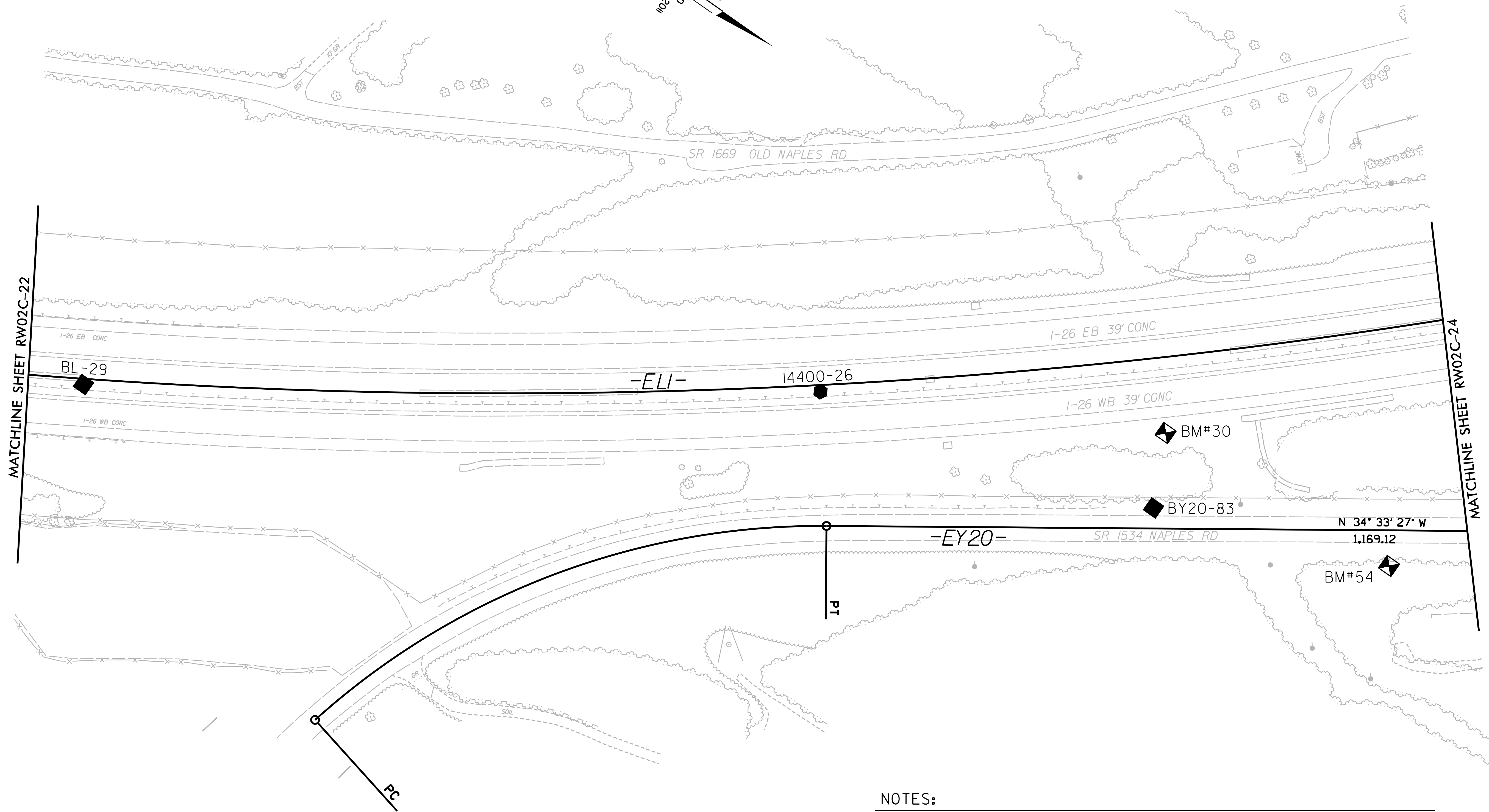
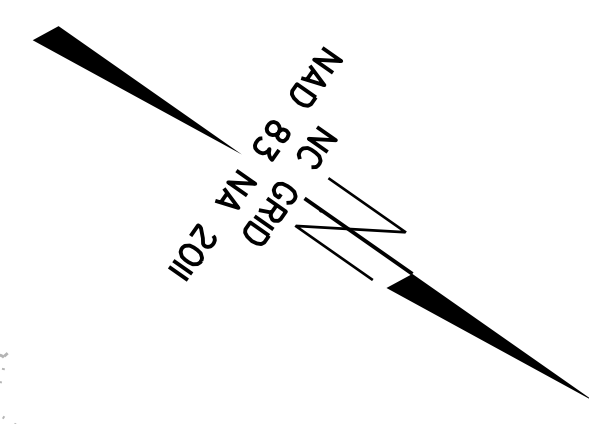
- NOTES:**
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
  2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/09

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-23
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS

05-MAR-2019 13:36  
 V:\Asheville\Surveys\2019\31912-02 I-4400BB RW Staking\Work\I4400B\_1s\_RW02C-23.dgn  
 icapordn AT VDF-MKIEK-5

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

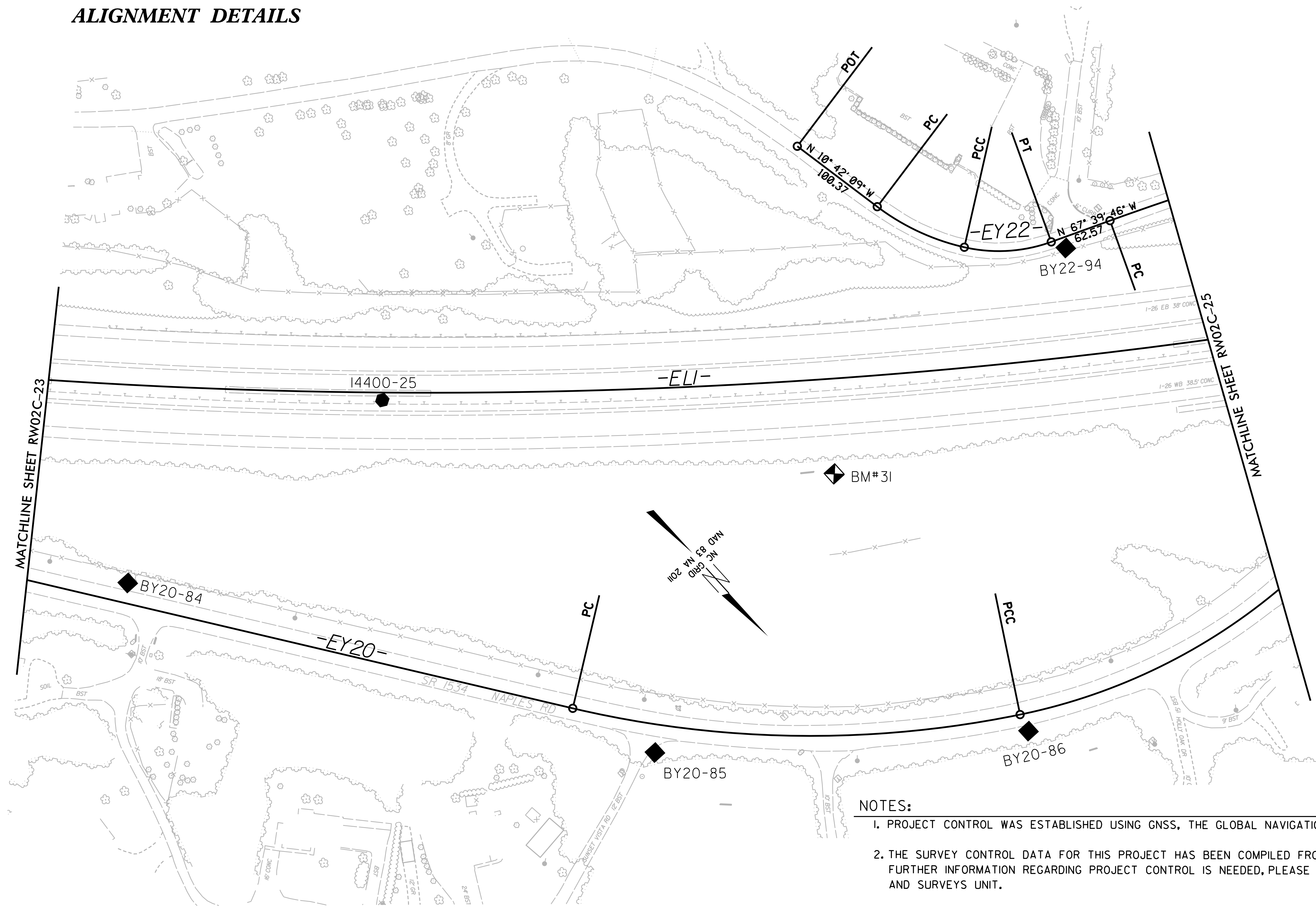
- NOTES:**
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
  2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

SEE SHEET RW02C-33 THRU 38  
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.


REVISIONS

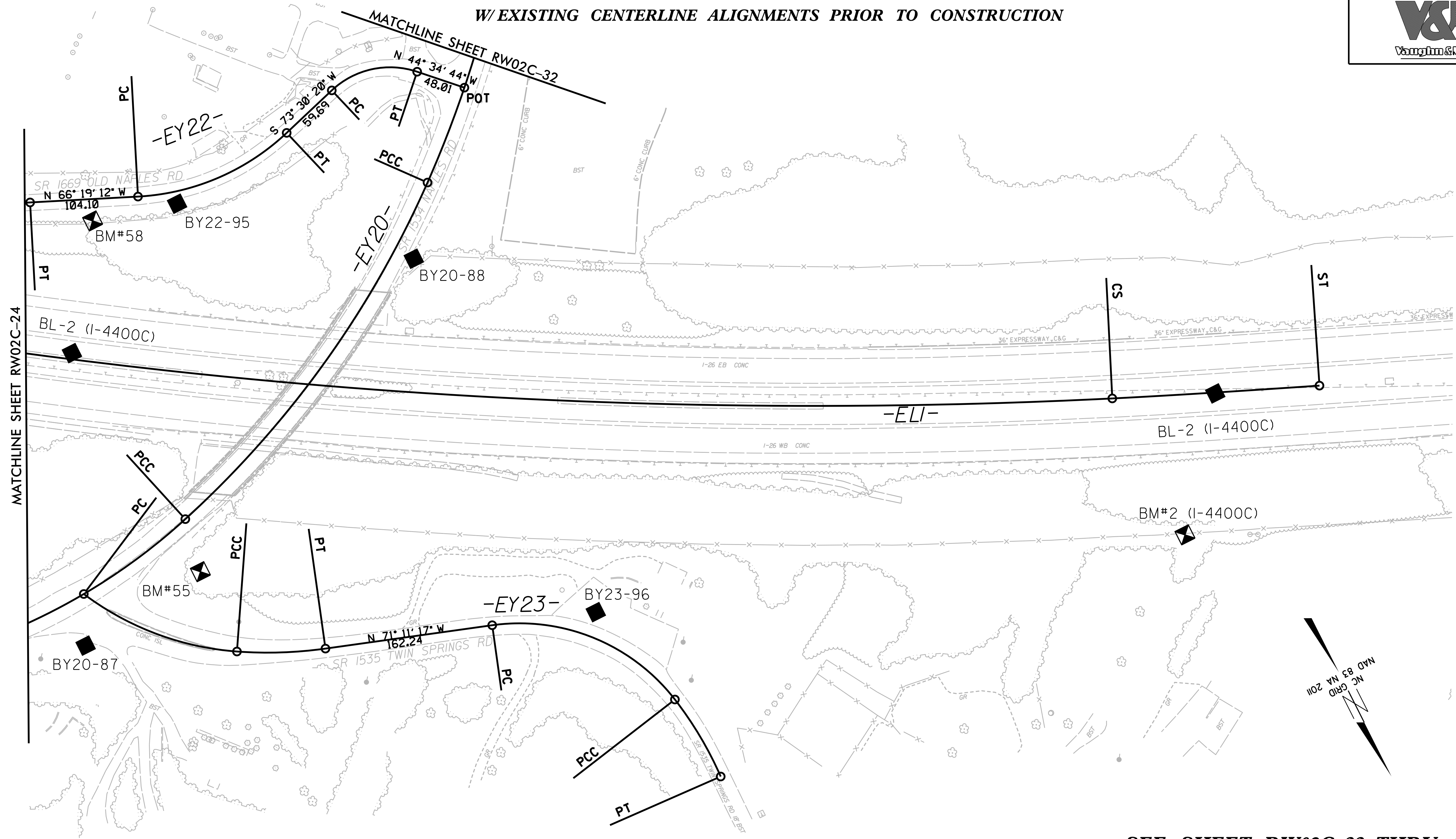
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 icapordn AT VDF-MKIEK-5

6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-25
Location and Surveys	
	



### 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.

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

REVISIONS

05-MAR-2019 14:09  
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 icgordon AT VDF-MKIEK-5


6/2/09

REVISIONS

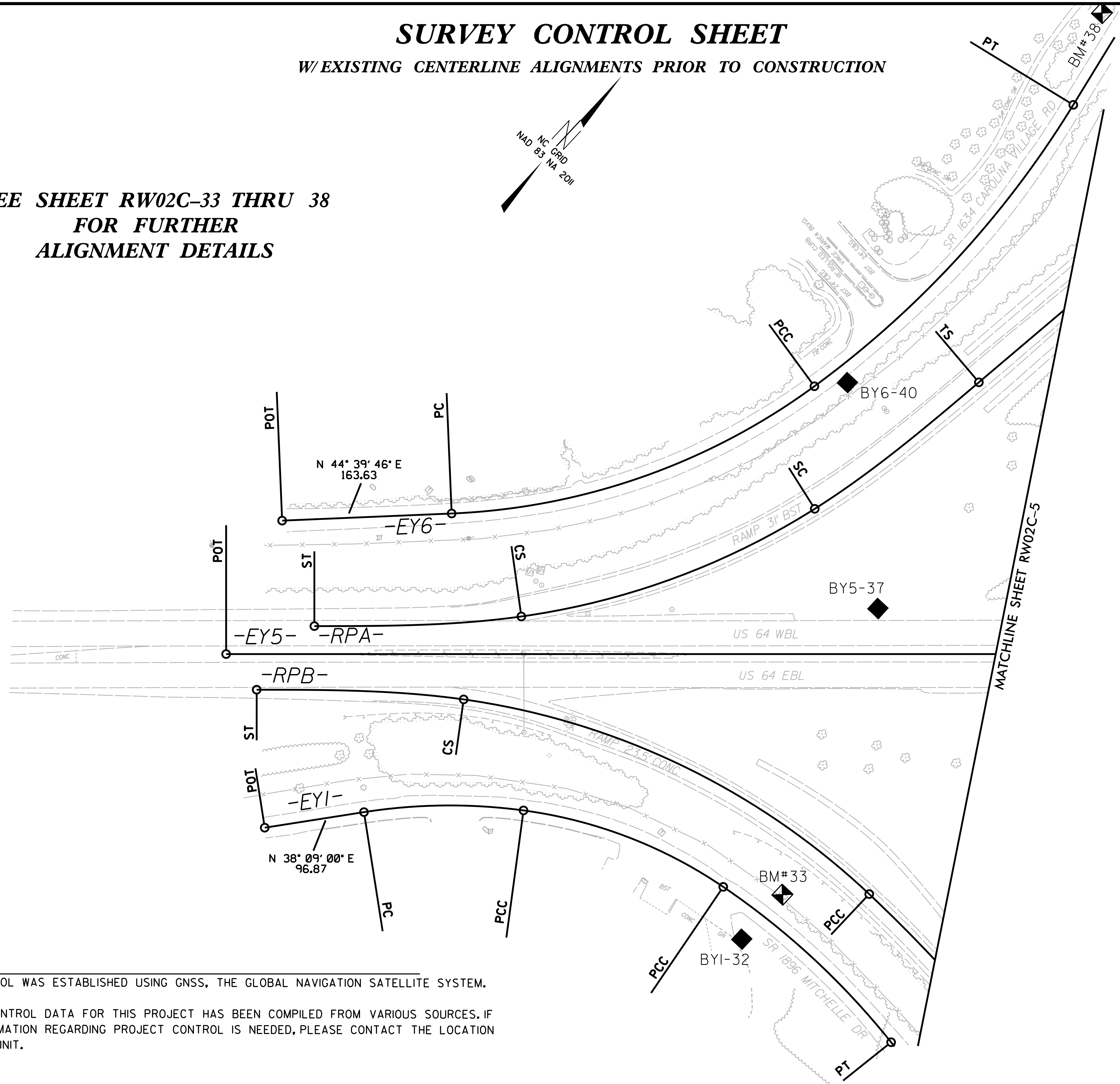
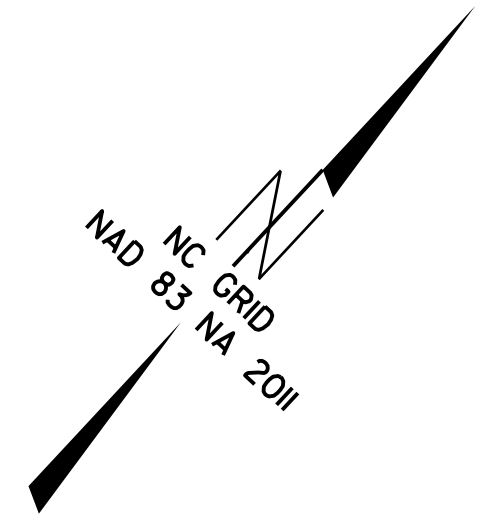
05-MAR-2019 15:04  
V:\Asheville\surveys\2019\31912-02 I-4400BB RW Staking\Work\14400B\_1s\_RW02C-26.dgn  
icardon

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-26
Location and Surveys	
	

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



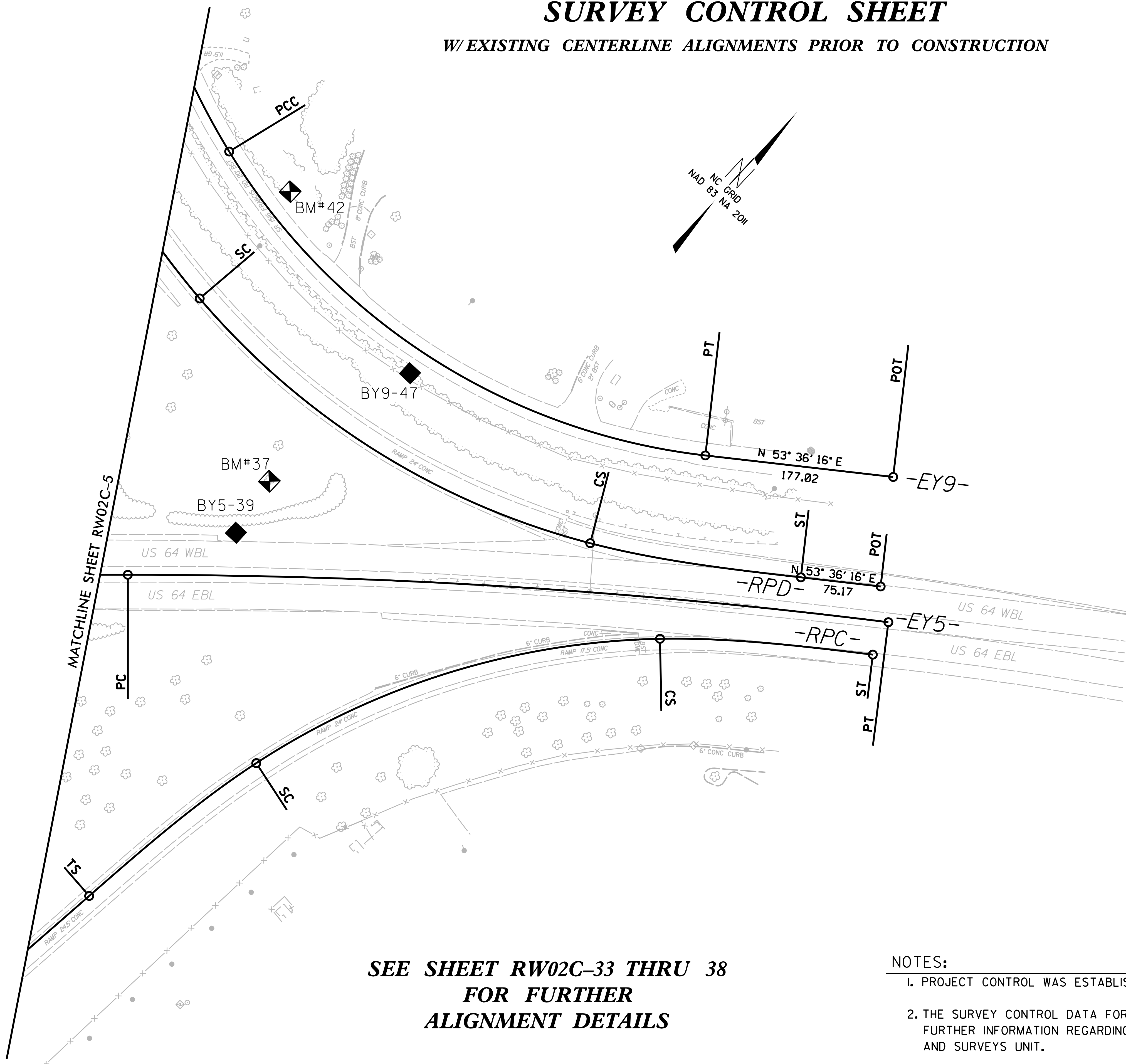
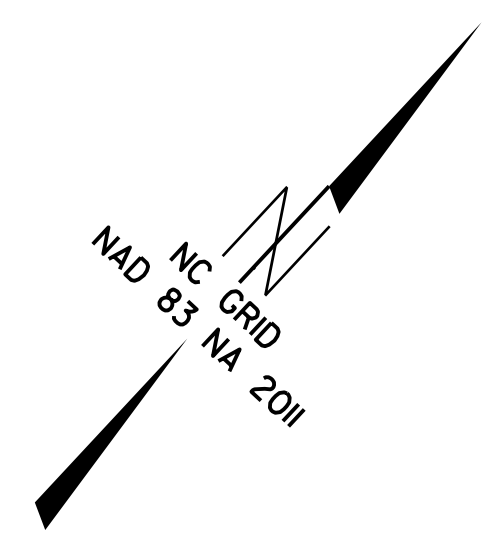
**NOTES:**

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

03-APR-2019 10:00  
 V:\Ashley\11e\surveys\2019\31912-02 I-4400BB RW Staking\Work\14400B\_1s\_RW02C-27.dgn  
 icgordon AT VDT-JEM-P40-18  
 6/2/09



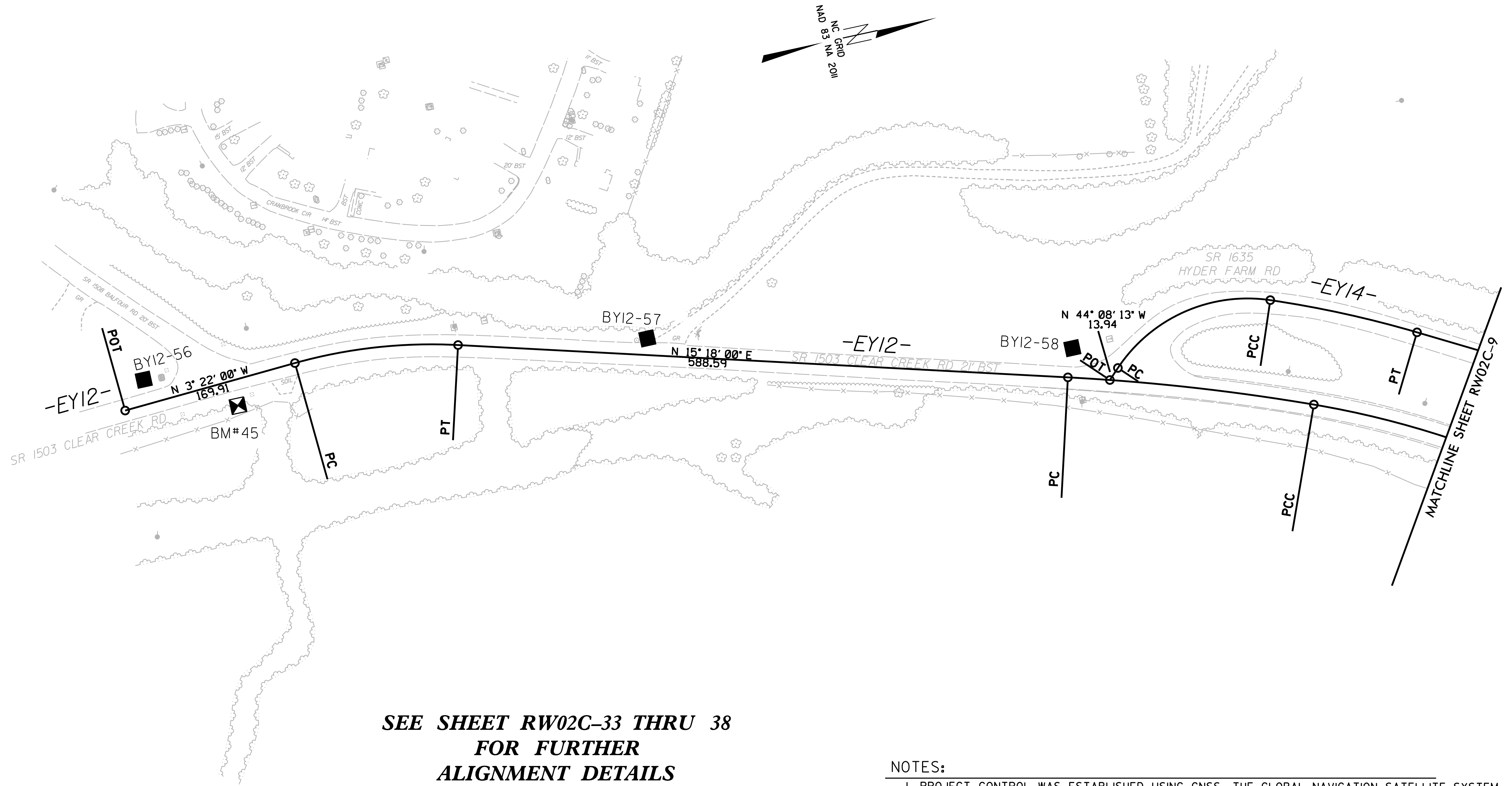
6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-28
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS



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

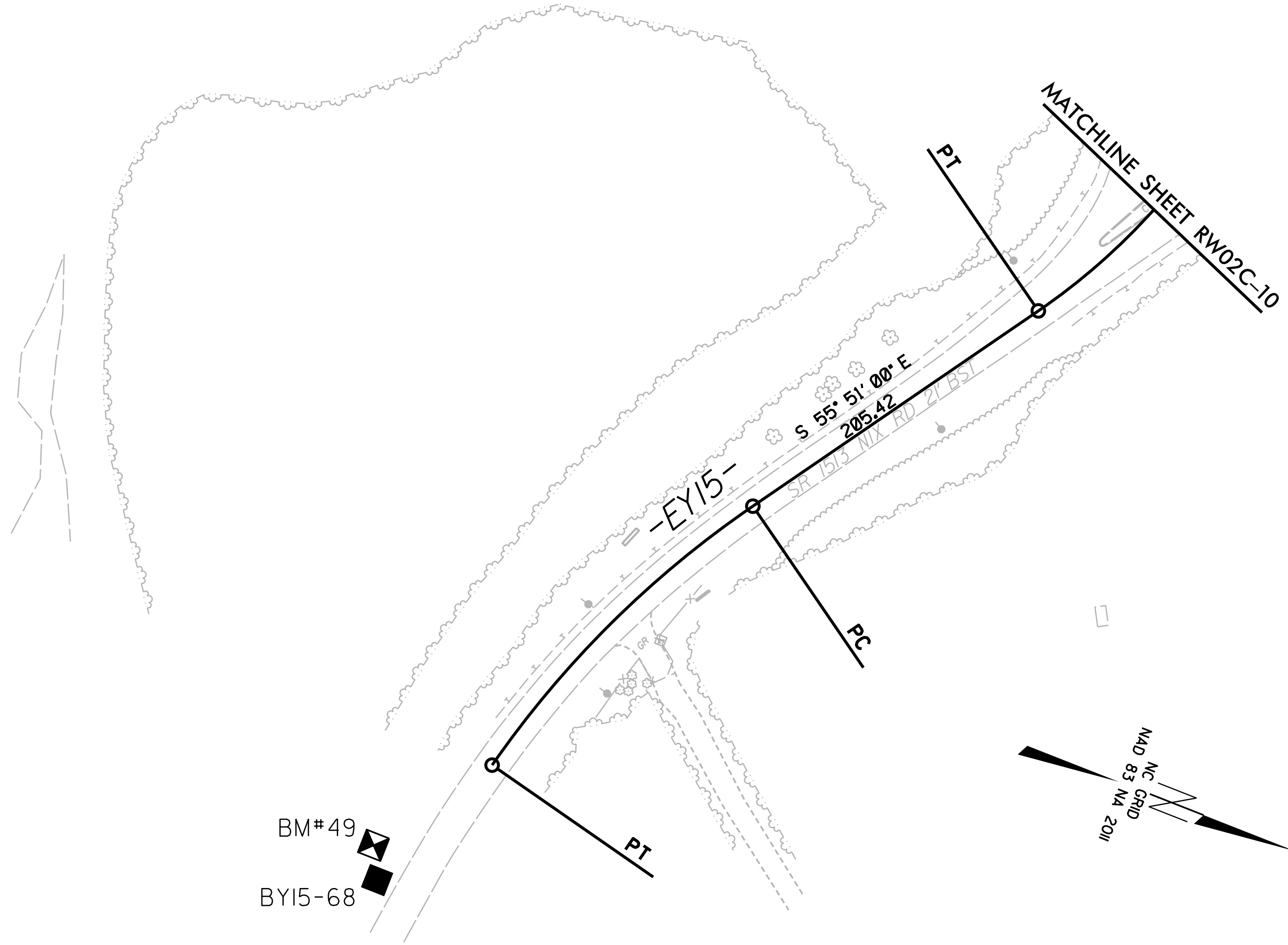
**NOTES:**

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.

04-MAR-2019 13:02  
V:\Asheville\surveys\2019\31912-02 I-4400BB RW Staking\Work\I4400B\_1s\_RW02C-28.dgn  
icardon

# 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

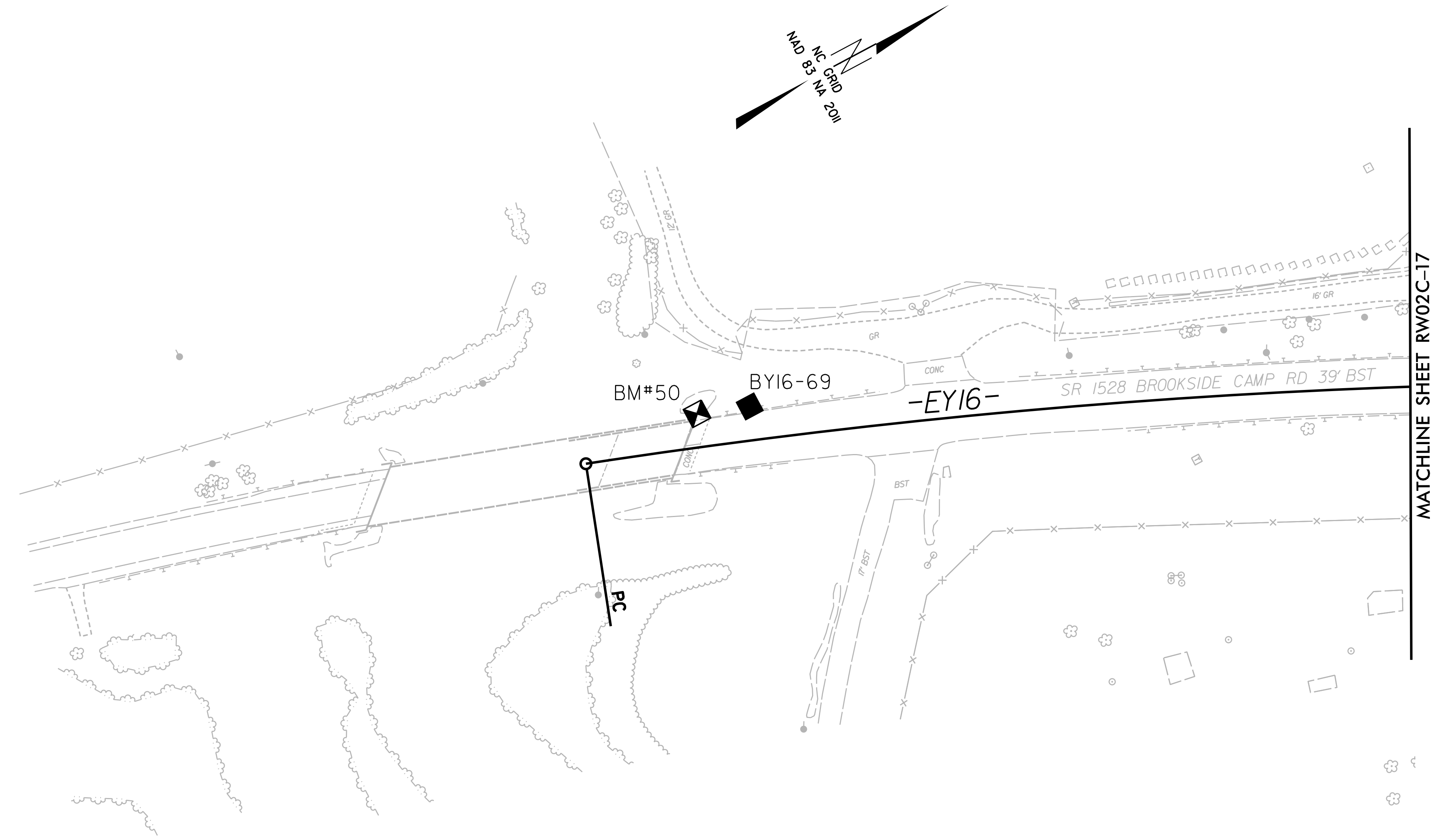
6/2/09

04-MAR-2019 13:07  
V:\Asheville\Surveys\2019\31912-02 I-4400BB RW Staking\Work\14400B\_1s\_RW02C-29.dgn  
icgordon AT VDF-MKIEW-27

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

6/2/09  
 REVISIONS  
 05-MAR-2019 10:56  
 V:\Ashley\11e\surveys\2019\31912-02 I-4400BB RW Staking\Work\I4400B\_1s\_RW02C-30.dgn  
 icgordon AT VDF-MKIEK-51




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

**NOTES:**

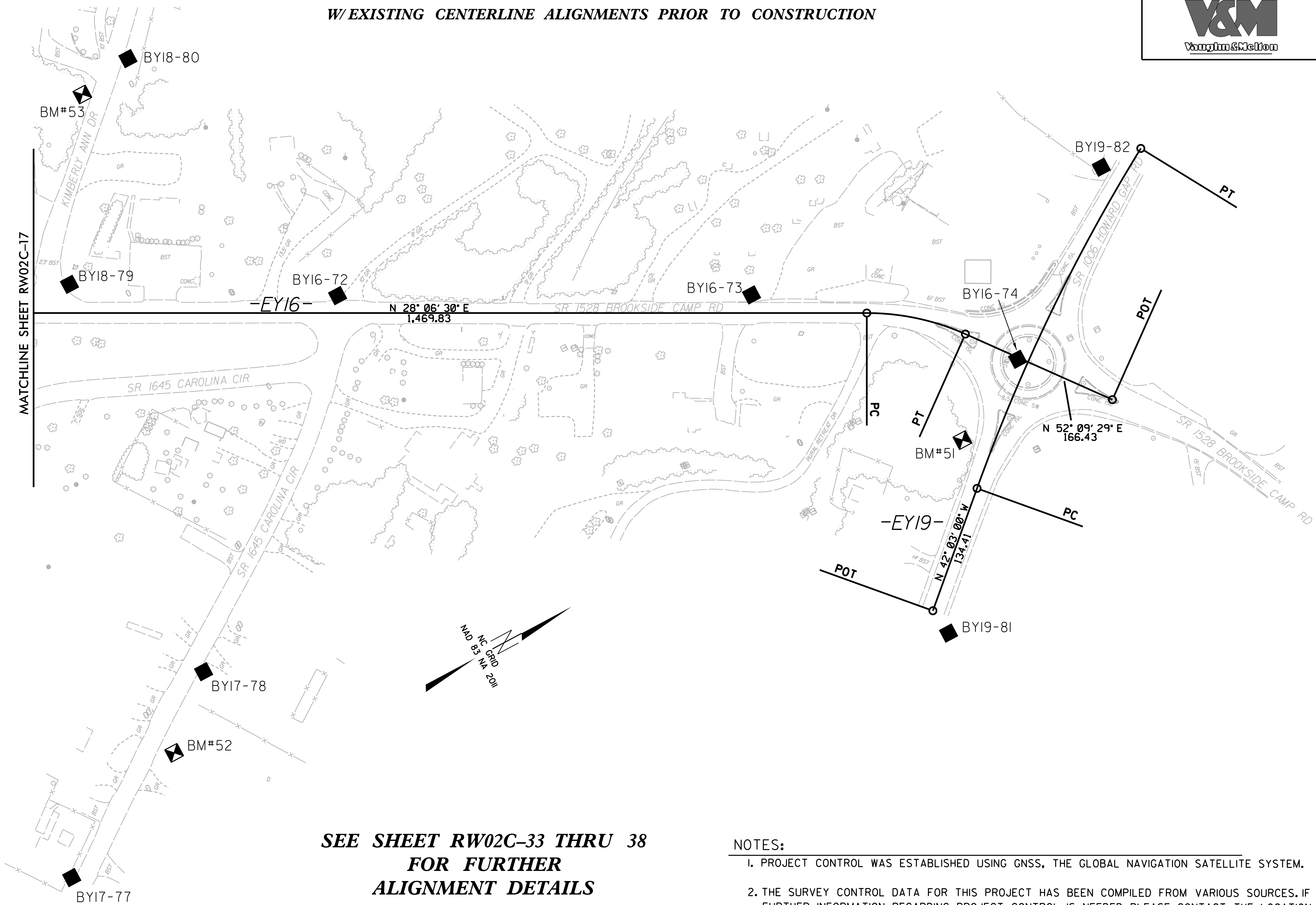
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-31
Location and Surveys	
	

# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



MATCHLINE SHEET RW02C-17

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

**NOTES:**


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REVISIONS

05-MAR-2019 16:04  
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 icapdon





PROJECT REFERENCE NO.	SHEET NO.
I-4400B	RW02C-33
Location and Surveys	
	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BL - 1	592748.8844	976851.6859	2116.84
GPS36		GPS - 36	593082.7750	976643.8110	2120.33
GPS35		GPS - 35	594008.2070	976066.3220	2131.88
2		BL - 2	594594.8731	975698.9718	2143.35
3		BL - 3	595172.3907	975339.0943	2154.52
4		BL - 4	595843.8227	974920.1174	2168.05
5		BL - 5	596432.7118	974540.2555	2177.37
6		BL - 6	597077.2388	974151.3760	2174.54
GPS33		GPS - 33	597688.1820	973678.0660	2160.10
7		BL - 7	598044.6185	973303.3142	2150.24
8		BL - 8	598455.6219	972735.8101	2143.13
9		BL - 9	598797.1561	972043.7895	2136.68
10		BL - 10	599174.2581	971425.0655	2130.98
11		BL - 11	599695.3207	970878.0785	2124.27
12		BL - 12	600364.0982	970384.3124	2117.95
13		BL - 13	601070.8713	970077.5377	2124.57
GPS32		GPS - 32	601672.3070	969843.0290	2133.80
GPS31		GPS - 31	602721.3800	969429.7030	2165.70
14		BL - 14	603342.5179	969181.8248	2182.40
15		BL - 15	603935.1938	968866.2455	2183.46
16		BL - 16	604480.6911	968449.8234	2166.56
17		BL - 17	605031.2019	968000.0719	2145.37
18		BL - 18	605613.6960	967523.9408	2122.59
19		BL - 19	606275.0554	966985.6801	2097.30
GPS30		GPS - 30	606856.1400	966514.4570	2083.63
GPS29		GPS - 29	607579.6760	965923.7590	2077.05
20		BL - 20	608254.8121	965357.5431	2072.83
21		BL - 21	608831.4558	964901.2572	2074.34
22		BL - 22	609657.2642	964211.3031	2082.99
23		BL - 23	610166.3405	963711.4597	2088.75
GPS28		GPS - 28	610737.0240	962989.1750	2097.08
GPS27		GPS - 27	611278.3000	962184.9690	2105.41
24		BL - 24	611800.1738	961592.5199	2102.40
25		BL - 25	612523.5996	961066.4269	2090.60
26		BL - 26	613181.8538	960770.5774	2082.94
27		BL - 27	613908.2308	960501.8172	2088.56
28		BL - 28	614686.6715	960193.5922	2099.40
29		BL - 29	615367.7651	959842.1694	2111.85
GPS26		GPS - 26	615944.0680	959446.9770	2128.65
GPS25		GPS - 25	616627.8940	958818.7870	2148.99
BL1		14400C BL - 1	617158.5453	958125.8126	2146.41
BL2		14400C BL - 2	617689.7198	957160.0042	2122.87

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
30		BY1 - 30	595768.9556	974428.0447	2166.36
31		BY1 - 31	596076.4059	974466.9280	2172.43
32		BY1 - 32	596137.9382	973919.3839	2192.74
Y33		BY2 - 33	596269.6741	974219.7029	2187.70

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
33		BY2 - 33	596269.6741	974219.7029	2187.70
YY5		BL - 5	596432.7118	974540.2555	2177.37

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
Y5		BL - 5	596432.7118	974540.2555	2177.37
34		BY3 - 34	596801.8320	974804.4067	2188.21

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
36		BY4 - 36	596460.2483	975041.9053	2202.82
Y34		BY3 - 34	596801.8320	974804.4067	2188.21

BY5	POINT	DESC.	NORTH	EAST	ELEVATION
37		BY5 - 37	596460.9208	973798.2538	2200.52
38		BY5 - 38	596812.0473	974162.6610	2200.51
39		BY5 - 39	597295.7826	974702.4130	2193.66
G34		GPS - 34	597382.8690	974473.6540	2190.56

BY6	POINT	DESC.	NORTH	EAST	ELEVATION
Y37		BY5 - 37	596460.9208	973798.2538	2200.52
40		BY6 - 40	596600.3439	973628.3097	2198.72
41		BY6 - 41	597047.3210	973606.7737	2206.17
42		BY6 - 42	597407.4303	973519.9025	2188.43
43		BY6 - 43	597716.6495	973297.7675	2176.12

BY7	POINT	DESC.	NORTH	EAST	ELEVATION
YY37		B5 - 37	596460.9208	973798.2538	2200.52
45		BY7 - 45	596962.1369	973783.8261	2187.30

BY8	POINT	DESC.	NORTH	EAST	ELEVATION
GG34		GPS - 34	597382.8690	974473.6540	2190.56
46		BY8 - 46	597557.4557	974110.9310	2179.15

BY9	POINT	DESC.	NORTH	EAST	ELEVATION
Y39		BY5 - 39	597295.7826	974702.4130	2193.66
47		BY9 - 47	597516.1280	974719.9418	2195.44
48		BY9 - 48	597608.4815	974285.4001	2206.97
49		BY9 - 49	597835.0433	974099.8443	2193.91

BY11	POINT	DESC.	NORTH	EAST	ELEVATION
Y7		BL - 7	598044.6185	973303.3142	2150.24
53		BY11 - 53	598367.4441	973173.6002	2131.85
54		BY11 - 54	598700.1373	973105.1791	2104.20

BY12	POINT	DESC.	NORTH	EAST	ELEVATION
56		BY12 - 56	600050.8442	969302.4882	2079.15
57		BY12 - 57	600533.5279	969366.7202	2110.93
58		BY12 - 58	600931.8469	969462.8966	2145.95
59		BY12 - 59	601501.9268	969772.2921	2155.18
60		BY12 - 60	601778.6811	970044.1350	2149.82
61		BY12 - 61	602002.9952	970171.6038	2144.59
62		BY12 - 62	602447.0321	970047.3581	2147.49
63		BY12 - 63	602830.0559	969868.8397	2162.73
64		BY12 - 64	603245.1529	969752.1540	2190.89

BY14	POINT	DESC.	NORTH	EAST	ELEVATION
Y58		BY12 - 58	600931.8469	969462.8966	2145.95
65		BY14 - 65	601406.1247	969588.4261	2146.76
66		BY14 - 66	601644.6021	969696.5471	2147.59
67		BY14 - 67	601950.0752	969580.8296	2150.64

BY15	POINT	DESC.	NORTH	EAST	ELEVATION
Y61		BY12 - 61	602002.9952	970171.6038	2144.59
68		BY15 - 68	601704.9337	970743.0187	2112.26

BY16	POINT	DESC.	NORTH	EAST	ELEVATION
69		BY16 - 69	608979.2021	963693.7284	2072.51
70		BY16 - 70	609608.8396	964031.9395	2100.87
71		BY16 - 71	609887.7878	964182.2026	2107.89
Y79		BY18 - 79	610135.3339	964258.4702	2105.79
72		BY16 - 72	610374.2650	964399.2952	2106.09
73		BY16 - 73	610751.9491	964600.2010	2116.67
74		BY16 - 74	610963.1768	964788.4053	2126.06

BY17	POINT	DESC.	NORTH	EAST	ELEVATION
77		BY17 - 77	609848.5974	964800.1610	2109.39
78		BY17 - 78	610069.0346	964676.7770	2107.48
Y72		BY16 - 72	610374.2650	964399.2952	2106.09

BY18	POINT	DESC.	NORTH	EAST	ELEVATION
79		BY18 - 79	610135.3339	964258.4702	2105.79
80		BY18 - 80	610298.4861	964081.1960	2107.88

BY19	POINT	DESC.	NORTH	EAST	ELEVATION
81		BY19 - 81	610766.9348	965004.3726	2118.81
Y74		BY16 - 74	610963.1768	964788.4053	2126.06
82		BY19 - 82	611132.9604	964654.1643	2125.64

BY20	POINT	DESC.	NORTH	EAST	ELEVATION
83		BY20 - 83	616265.9218	959356.1246	2159.34
84		BY20 - 84	616592.0529	959130.5797	2171.56
85		BY20 - 85	617072.6185	958853.6144	2189.24
86		BY20 - 86	617308.1919	958562.0847	2191.76
87		BY20 - 87	617416.0905	958241.0691	2182.30
88		BY20 - 88	617225.8043	957790.7823	2156.61
89		BY20 - 89	617037.9582	957639.3599	2140.31
90		BY20 - 90	616836.3206	957358.6328	2120.01
91		BY20 - 91	616917.8504	956933.3007	2117.18
92		BY20 - 92	617197.2475	956718.9758	2121.81

BY21	POINT	DESC.	NORTH	EAST	ELEVATION
93		BY21 - 93	616589.7789	957202.4267	2098.80
Y90		BY20 - 90	616836.3206	957358.6328	2120.01

BY22	POINT	DESC.	NORTH	EAST	ELEVATION
YBL1		BL - 1 (1-4400C)	617158.5453	958125.8126	2146.41
94		BY22 - 94	616975.0219	958209.3354	2158.64
95		BY22 - 95	617075.7082	957970.4908	2154.88
Y89		BY20 - 89	617037.9582	957639.3599	2140.31

BY23	POINT	DESC.	NORTH	EAST	ELEVATION
Y87		BY20 - 87	617416.0905	958241.0691	2182.30
96		BY23 - 96	617608.8517	957787.7588	2150.66
97		BY23 - 97	617943.9142	957750.9648	2160.19

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# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS

.....  
 BM1 ELEVATION · 2110.31  
 N 592475 E 977122  
 SPIKE NAIL IN BASE OF 56" DOUBLE MAPLE  
 .....

BM2 ELEVATION · 2122.50  
 N 593031 E 976528  
 SPIKE NAIL IN BASE OF 40" DOUBLE MAPLE  
 .....

BM3 ELEVATION · 2127.26  
 N 593817 E 976282  
 SPIKE NAIL IN BASE OF 48" TRIPLE POPLAR  
 .....

BM4 ELEVATION · 2148.43  
 N 594612 E 975772  
 BOLT ON NCDOT HOSPITAL SIGN  
 .....

BM5 ELEVATION · 2157.85  
 N 595462 E 975246  
 SPIKE NAIL IN BASE OF 20" POPLAR  
 .....

BM6 ELEVATION · 2178.11  
 N 596382 E 974714  
 SPIKE NAIL IN BASE OF 18" CEDAR  
 .....

BM7 ELEVATION · 2177.58  
 N 597232 E 974208  
 SPIKE NAIL IN BASE OF 10" BEECH  
 .....

BM8 ELEVATION · 2156.48  
 N 597994 E 973526  
 SPIKE NAIL IN BASE OF 18" OAK  
 .....

BM9 ELEVATION · 2154.34  
 N 598344 E 972656  
 SPIKE NAIL IN BASE OF 20" OAK  
 .....

BM10 ELEVATION · 2140.45  
 N 598906 E 971703  
 BOLT ON NCDOT FOOD SIGN BASE  
 .....

BM11 ELEVATION · 2130.37  
 N 599488 E 970938  
 SPIKE NAIL IN BASE OF 22" RED OAK  
 .....

BM12 ELEVATION · 2121.20  
 N 600299 E 970346  
 BOLT ON NCDOT LODGING SIGN  
 .....

BM13 ELEVATION · 2131.63  
 N 601275 E 969886  
 SPIKE NAIL IN BASE OF 30" RED OAK  
 .....

BM14 ELEVATION · 2156.18  
 N 602323 E 969482  
 SPIKE NAIL IN BASE OF 8" PINE  
 .....

BM15 ELEVATION · 2172.03  
 N 603118 E 969347  
 SPIKE NAIL IN BASE OF 12" WALNUT  
 .....

.....  
 BM16 ELEVATION · 2175.89  
 N 604417 E 968657  
 SPIKE NAIL IN BASE OF 16" POPLAR  
 .....

BM17 ELEVATION · 2155.23  
 N 604725 E 968116  
 SPIKE NAIL IN BASE OF 16" MAPLE  
 .....

BM18 ELEVATION · 2129.39  
 N 605447 E 967519  
 SPIKE NAIL IN BASE OF 32" DOUBLE POPLAR  
 .....

BM19 ELEVATION · 2109.00  
 N 605938 E 967109  
 SPIKE NAIL IN BASE OF 26" OAK  
 .....

BM20 ELEVATION · 2072.83  
 N 607013 E 966546  
 SPIKE NAIL IN BASE OF 20" PINE  
 .....

BM21 ELEVATION · 2083.01  
 N 607868 E 965795  
 SPIKE NAIL IN BASE OF 24" POPLAR  
 .....

BM22 ELEVATION · 2066.21  
 N 608637 E 965179  
 SPIKE NAIL IN BASE OF 24" MAPLE  
 .....

BM23 ELEVATION · 2086.59  
 N 609446 E 964514  
 SPIKE NAIL IN BASE OF 22" POPLAR  
 .....

BM24 ELEVATION · 2099.19  
 N 610382 E 963621  
 SPIKE NAIL IN BASE OF 20" PINE  
 .....

BM25 ELEVATION · 2103.37  
 N 611172 E 962676  
 SPIKE NAIL IN BASE OF 14" PINE  
 .....

BM26 ELEVATION · 2097.96  
 N 611882 E 961643  
 SPIKE NAIL IN BASE OF 18" POPLAR  
 .....

BM27 ELEVATION · 2088.77  
 N 612899 E 960990  
 SPIKE NAIL IN BASE OF 24" POPLAR  
 .....

BM28 ELEVATION · 2097.12  
 N 613850 E 960432  
 SPIKE NAIL IN BASE OF 15" MAPLE  
 .....

BM29 ELEVATION · 2114.67  
 N 615015 E 960128  
 SPIKE NAIL IN BASE OF 22" OAK  
 .....

BM30 ELEVATION · 2141.97  
 N 616235 E 959291  
 BOLT ON SIGN FOUNDATION  
 .....

.....  
 BM31 ELEVATION · 2151.10  
 N 616987 E 958533  
 SPIKE NAIL IN BASE OF 12" GUM  
 .....

BM32 ELEVATION · 2168.06  
 N 595701 E 974490  
 BOLT ON FIRE HYDRANT  
 .....

BM33 ELEVATION · 2191.42  
 N 596196 E 973919  
 SPIKE NAIL IN BASE OF 18" OAK  
 .....

BM34 ELEVATION · 2184.79  
 N 596626 E 974744  
 SPIKE NAIL IN BASE OF 18" BIRCH  
 .....

BM35 ELEVATION · 2202.63  
 N 596454 E 975005  
 BOLT ON AREA LIGHT BASE  
 .....

BM36 ELEVATION · 2200.64  
 N 596605 E 973885  
 SPIKE NAIL IN BASE OF 48" MAPLE  
 .....

BM37 ELEVATION · 2192.10  
 N 597352 E 974692  
 SPIKE NAIL IN BASE OF 18" MAPLE  
 .....

BM38 ELEVATION · 2206.89  
 N 597029 E 973565  
 SPIKE NAIL IN BASE OF 22" SPRUCE  
 .....

BM39 ELEVATION · 2165.03  
 N 597621 E 972971  
 SPIKE NAIL IN BASE OF 34" OAK  
 .....

BM40 ELEVATION · 2192.36  
 N 597044 E 973816  
 SPIKE NAIL IN BASE OF 15" TRIPLE HEMLOCK  
 .....

BM41 ELEVATION · 2185.07  
 N 597571 E 974151  
 SPIKE NAIL IN BASE OF 10" OAK  
 .....

BM42 ELEVATION · 2205.44  
 N 597564 E 974522  
 SPIKE NAIL IN ROOT OF 14" OAK  
 .....

BM43 ELEVATION · 2173.88  
 N 598168 E 974139  
 SPIKE NAIL IN ROOT OF 22" PINE  
 .....

BM44 ELEVATION · 2095.80  
 N 598883 E 973140  
 SPIKE NAIL IN BASE OF 36" POPLAR  
 .....

BM45 ELEVATION · 2082.92  
 N 600134 E 969346  
 SPIKE NAIL IN BASE OF 16" BOX ELDER  
 .....

.....  
 BM46 ELEVATION · 2144.98  
 N 601841 E 970022  
 SPIKE NAIL IN BASE OF 10" POPLAR  
 .....

BM47 ELEVATION · 2193.58  
 N 603264 E 969748  
 SPIKE NAIL IN ROOT OF 15" PINE  
 .....

BM48 ELEVATION · 2156.97  
 N 601966 E 969533  
 SPIKE NAIL IN ROOT OF 14" PINE  
 .....

BM49 ELEVATION · 2113.71  
 N 601695 E 970725  
 SPIKE NAIL IN BASE OF 14" PINE  
 .....

BM50 ELEVATION · 2072.30  
 N 608944 E 963681  
 CHISELED "X" ON BRIDGE HEADWALL  
 .....

BM51 ELEVATION · 2126.27  
 N 610874 E 964835  
 SPIKE NAIL IN BASE OF 15" OAK  
 .....

BM52 ELEVATION · 2112.92  
 N 610003 E 964736  
 SPIKE NAIL IN BASE OF 30" POPLAR  
 .....

BM53 ELEVATION · 2106.28  
 N 610240 E 964092  
 SPIKE NAIL IN BASE OF 20" PINE  
 .....

BM54 ELEVATION · 2168.31  
 N 616480 E 959273  
 SPIKE NAIL IN ROOT OF 20" POPLAR  
 .....

BM55 ELEVATION · 2173.65  
 N 617402 E 958110  
 SPIKE NAIL IN BASE OF 12" POPLAR  
 .....

BM56 ELEVATION · 2115.59  
 N 617177 E 956714  
 SPIKE NAIL IN BASE OF 7" PINE  
 .....

BM57 ELEVATION · 2101.04  
 N 616564 E 957232  
 SPIKE NAIL IN BASE OF 27" POPLAR  
 .....

BM58 ELEVATION · 2153.47  
 N 617054 E 958051  
 SPIKE NAIL IN BASE OF 21" HICKORY  
 .....

BM59 ELEVATION · 2165.39  
 N 618012 E 957573  
 SPIKE NAIL IN BASE OF 22" DOUBLE OAK  
 .....

BMC2 ELEVATION · 2131.17  
 N 617798 E 957247  
 R/R SPIKE IN BASE OF 14" PINE  
 .....


### NOTES:

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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-35
Location and Surveys	
	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	592753.740	976841.313											
LINE			N 31°58'18.3" W	5074.52									
TS	597058.502	974154.349	N 32°28'18.3" W	199.99						01°30'00.0"(L T)	200.00	133.34	66.67
SC	597227.228	974046.975	N 47°25'46.0" W	1842.67	27°54'55.4"(L T)	01°30'00.0"	1861.03	949.37	3819.72				
CURVE													
CS	598473.792	972689.948	N 62°23'13.7" W	199.99						01°30'00.0"(L T)	200.00	133.34	66.67
SPIRAL													
ST	598566.488	972512.734	N 62°53'13.7" W	503.99									
LINE			N 62°23'13.7" W	199.99						01°30'00.0"(RT)	200.00	133.34	66.67
TS	598796.177	972064.131	N 42°10'45.6" W	2513.34	38°24'56.2"(RT)	01°30'00.0"	2561.04	1330.75	3819.72				
SC	598888.873	971886.917	N 21°58'17.5" W	199.99						01°30'00.0"(RT)	200.00	133.34	66.67
CURVE													
CS	600751.375	970199.327	N 21°28'17.5" W	999.43									
SPIRAL													
ST	600936.843	970124.500	N 21°28'17.5" W	999.43									
LINE													
POT	601866.911	969758.670											

EL1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	601866.911	969758.670											
LINE			N 21°28'17.5" W	1372.98									
TS	603144.609	969256.105	N 21°58'17.5" W	199.99						01°30'00.0"(L T)	200.00	133.34	66.67
SC	603330.078	969181.278	N 30°19'24.5" W	977.57	14°42'14.0"(L T)	01°30'00.0"	980.26	492.84	3819.72				
CURVE													
CS	604173.907	968687.720	N 38°40'31.6" W	199.99						01°30'00.0"(L T)	200.00	133.34	66.67
SPIRAL													
ST	604330.042	968562.742	N 39°10'31.5" W	6597.87									
LINE			N 39°30'31.5" W	200.00						01°00'00.0"(L T)	200.00	133.34	66.67
TS	609444.810	964394.891	N 47°09'31.4" W	1393.20	13°57'59.6"(L T)	01°00'00.0"	1396.66	701.81	5729.58				
SC	609599.113	964267.653	N 54°48'31.2" W	200.00						01°00'00.0"(L T)	200.00	133.34	66.67
CURVE													
CS	610546.448	963246.102	N 55°08'31.2" W	942.90									
SPIRAL													
ST	610661.708	963082.658	N 54°38'31.2" W	199.99						01°30'00.0"(RT)	200.00	133.34	66.67
LINE			N 54°38'31.2" W	199.99									
TS	611200.616	962308.944	N 38°17'51.7" W	2021.54	30°41'18.9"(RT)	01°30'00.0"	2045.91	1048.13	3819.72				
SC	611316.349	962145.838	N 21°57'12.2" W	199.99						01°30'00.0"(RT)	200.00	133.34	66.67
CURVE													
CS	612902.855	960892.995	N 21°57'12.2" W	199.99						01°30'00.0"(RT)	200.00	133.34	66.67
SPIRAL													
ST	613088.347	960818.227	N 21°27'12.2" W	1424.87									
LINE			N 21°47'12.2" W	200.00						01°00'00.0"(L T)	200.00	133.34	66.67
TS	614414.498	960297.088	N 44°16'00.5" W	4258.05	43°37'36.6"(L T)	01°00'00.0"	4362.68	2293.22	5729.58				
SC	614600.209	960222.858	N 66°44'48.8" W	200.00						01°00'00.0"(L T)	200.00	133.34	66.67
CURVE													
CS	617649.388	957250.735											
SPIRAL													
ST	617649.388	957250.735											

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	595903.372	973509.356							
LINE			N 38°09'00.0" E	96.87					
PC	595979.547	973569.193	N 46°26'59.1" E	153.87	16°35'58.1"(RT)	10°45'00.0"	154.41	77.75	532.98
CURVE									
PCC	596085.565	973680.716	N 68°00'37.9" E	206.23	26°31'19.6"(RT)	12°44'45.4"	208.08	105.94	449.52
CURVE									
PCC	596162.785	973871.944	N 89°51'08.9" E	220.61	17°09'42.3"(RT)	07°45'00.0"	221.44	111.56	739.30
CURVE									
PT	596163.353	974092.558	S 81°34'00.0" E	92.29					
LINE			S 77°15'26.9" E	215.26	08°37'06.2"(RT)	04°00'00.0"	215.46	107.93	1432.39
PC	596149.817	974183.854	S 33°10'51.7" E	154.32	79°32'04.3"(RT)	47°30'00.0"	167.44	100.38	120.62
CURVE									
PCC	596102.338	974393.809	S 06°35'10.4" W	255.49					
CURVE									
PT	595973.183	974478.265							
LINE									
POT	595719.382	974448.961							

EY5 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	596000.607	973368.042							
LINE			N 47°03'55.1" E	1757.95					
PC	597198.059	974655.091	N 50°38'07.3" E	713.55	07°08'24.3"(RT)	01°00'00.0"	714.01	357.47	5729.58
CURVE									
PT	597650.629	975206.752							

EY6 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	596131.635	973319.907							
LINE			N 44°39'46.2" E	163.63					
PC	596248.018	973434.928	N 27°44'10.1" E	370.70	33°51'12.1"(L T)	09°00'00.0"	376.15	193.74	636.62
CURVE									
PCC	596576.125	973607.453	N 00°19'28.0" W	368.80	22°16'04.1"(L T)	06°00'00.0"	371.13	187.94	954.93
CURVE									
PT	596944.918	973605.364	N 11°27'30.1" W	387.35					
LINE			N 19°35'50.5" W	124.79	16°16'40.9"(L T)	13°00'00.0"	125.22	63.03	440.74
PC	597324.545	973528.416	N 27°44'11.0" W	178.46					
CURVE									
PT	597442.111	973486.559	N 34°49'01.9" W	68.91	14°09'41.8"(L T)	20°30'00.0"	69.08	34.72	279.49
LINE			N 73°55'15.8" W	164.23	64°02'45.9"(L T)	37°00'00.0"	173.10	96.85	154.85
PC	597600.062	973403.504							
CURVE									
PCC	597656.632	973364.162							
CURVE									
PT	597702.116	973206.361							

EY9 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	597759.236	974155.575	S 43°48'37.3" E	178.99	28°29'02.3"(L T)	15°45'00.0"	180.85	92.33	363.78
CURVE									
PCC	597630.068	974279.488	S 66°12'54.0" E	191.41	16°19'31.1"(L T)	08°30'00.0"	192.06	96.69	674.07
CURVE									
PCC	597552.870	974454.644	N 79°36'48.2" E	528.94	52°01'04.6"(L T)	09°30'00.0"	547.56	294.27	603.11
CURVE									
PT	597648.233	974974.921							
LINE			N 53°36'15.9" E	177.02					
POT	597753.267	975117.409							

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REVISIONS



# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-4400B	SHEET NO. RW02C-36
Location and Surveys	
	

EY12									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	600027.062	969327.787							
LINE			N 03°22'00.0" W	169.91					
PC	600196.682	969317.809							
CURVE			N 05°58'00.0" E	158.16	18°40'00.0"(RT)	11°45'00.0"	158.87	80.14	487.62
PT	600353.989	969334.250							
LINE			N 15°18'00.0" E	588.59					
PC	600921.720	969489.564							
CURVE			N 18°34'52.6" E	238.51	06°33'45.2"(RT)	02°45'00.0"	238.64	119.45	2083.48
PCC	601147.795	969565.564							
CURVE			N 28°00'19.5" E	188.65	12°17'08.7"(RT)	06°30'00.0"	189.01	94.87	881.47
PCC	601314.354	969654.146							
CURVE			N 36°20'56.9" E	135.40	04°24'06.2"(RT)	03°15'00.0"	135.44	67.75	1762.95
PT	601423.412	969734.400							
LINE			N 38°33'00.0" E	452.18					
PC	601777.042	970016.195							
CURVE			N 32°38'10.1" E	152.34	11°49'39.8"(L T)	07°45'00.0"	152.62	76.58	739.30
PCC	601905.334	970098.355							
CURVE			N 10°55'47.5" E	226.81	31°35'05.4"(L T)	13°45'00.0"	229.71	117.85	416.70
PCC	602128.029	970141.359							
CURVE			N 16°47'22.6" W	249.29	23°51'14.9"(L T)	09°30'00.0"	251.10	127.39	603.11
PT	602366.689	970069.351							
LINE			N 28°43'00.0" W	229.94					
PC	602568.346	969958.871							
CURVE			N 25°23'14.9" W	190.13	06°39'30.1"(RT)	03°30'00.0"	190.24	95.23	1637.02
PCC	602740.117	969877.354							
CURVE			N 15°30'14.9" W	186.85	13°06'29.9"(RT)	07°00'00.0"	187.26	94.04	818.51
PT	602920.171	969827.407							
LINE			N 08°57'00.0" W	375.77					
POT	603291.369	969768.947							

EY20									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	615730.149	959976.812							
CURVE			N 55°46'57.1" W	518.57	42°26'59.3"(RT)	08°00'00.0"	530.62	278.15	716.20
PT	616021.759	959548.002							
LINE			N 34°33'27.5" W	1169.12					
PC	616984.595	958884.836							
CURVE			N 46°58'41.1" W	448.12	24°50'27.3"(L T)	05°30'00.0"	451.65	229.43	1041.74
PCC	617290.340	958557.216							
CURVE			N 82°28'47.7" W	460.76	46°09'45.8"(L T)	09°45'00.0"	473.46	250.43	587.65
PCC	617350.642	958100.418							
CURVE			S 62°31'34.1" W	399.56	23°49'30.5"(L T)	05°55'11.7"	402.46	204.18	967.85
PCC	617166.306	957745.916							
CURVE			S 46°23'11.0" W	159.61	08°27'15.8"(L T)	05°17'31.4"	159.76	80.02	1082.68
PT	617056.207	957630.357							
LINE			S 42°09'33.1" W	60.03					
PC	617011.708	957590.065							
CURVE			N 80°37'45.9" W	827.43	114°25'21.9"(RT)	11°38'33.1"	982.80	763.96	492.13
PCC	617146.430	956773.673							
CURVE			N 40°48'36.9" W	294.20	34°47'03.7"(L T)	11°38'33.1"	298.77	154.15	492.13
PT	617369.106	956581.395							

EY21									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	616585.173	957168.647							
CURVE			N 50°36'38.8" E	93.34	03°32'38.6"(L T)	03°47'47.3"	93.35	46.69	1509.18
PCC	616644.403	957240.782							
CURVE			N 19°35'08.6" E	208.42	58°30'21.8"(L T)	26°52'02.5"	217.76	119.44	213.25
PT	616840.764	957310.648							
LINE			N 09°40'02.3" W	16.35					
POT	616856.882	957307.902							

EY22									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	616718.951	958340.095							
LINE			N 10°42'09.2" W	100.37					
PC	616817.575	958321.455							
CURVE			N 22°49'11.2" W	96.22	24°14'04.0"(L T)	25°00'00.0"	96.94	49.20	229.18
PCC	616906.261	958284.139							
CURVE			N 51°17'59.6" W	87.25	32°43'32.9"(L T)	37°00'00.0"	88.45	45.47	154.85
PT	616960.814	958216.046							
LINE			N 67°39'46.0" W	62.57					
PC	616984.595	958158.168							
CURVE			N 66°59'29.2" W	67.13	01°20'33.7"(RT)	02°00'00.0"	67.13	33.57	2864.79
PT	617010.835	958096.376							
LINE			N 66°19'12.3" W	104.10					
PC	617052.646	958001.037							
CURVE			N 86°24'26.2" W	155.87	40°10'27.6"(L T)	25°15'00.0"	159.11	82.98	226.91
PT	617062.413	957845.477							
LINE			S 73°30'20.0" W	59.69					
PC	617045.465	957788.242							
CURVE			N 75°32'12.2" W	84.21	61°54'55.5"(RT)	70°00'00.0"	88.45	49.10	81.85
PT	617066.498	957706.702							
LINE			N 44°34'44.5" W	48.01					
POT	617100.694	957673.004							

EY23									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	617370.965	958220.256							
CURVE			N 42°37'36.6" W	157.62	32°45'24.3"(L T)	20°30'00.0"	159.79	82.14	279.49
PCC	617486.940	958113.512							
CURVE			N 65°05'47.7" W	85.33	12°10'57.9"(L T)	14°15'00.0"	85.49	42.91	402.08
PT	617522.872	958036.114							
LINE			N 71°11'16.7" W	162.24					
PC	617575.188	957882.542							
CURVE			N 41°04'58.2" W	190.01	60°12'37.0"(RT)	30°15'00.0"	199.04	109.82	189.41
PCC	617718.410	957757.677							
CURVE			N 03°56'42.1" W	86.34	14°03'55.2"(RT)	16°15'00.0"	86.56	43.50	352.59
PT	617804.544	957751.737							

LINEA									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	610385.287	963381.352							
CURVE			N 54°23'14.2" W	230.38	04°36'31.7"(L T)	02°00'00.0"	230.44	115.28	2864.79
PCC	610519.436	963194.061							
CURVE			N 62°02'01.3" W	266.71	10°41'02.4"(L T)	04°00'00.0"	267.10	133.94	1432.39
PCC	610644.512	962958.494							
CURVE			N 61°12'07.1" W	205.39	12°20'50.6"(RT)	06°00'00.0"	205.79	103.30	954.93
PT	610743.454	962778.504							
LINE			N 55°01'41.8" W	298.00					
PC	610914.260	962534.312							
CURVE			N 51°28'42.7" W	236.50	07°05'58.2"(RT)	03°00'00.0"	236.65	118.48	1909.86
PT	611061.553	962349.282							
LINE			N 47°55'43.6" W	249.97					
PC	611229.046	962163.726							
CURVE			N 49°01'19.9" W	145.78	02°11'12.5"(L T)	01°30'00.0"	145.79	72.90	3819.72
PT	611324.643	962053.669							
LINE			N 50°06'56.1" W	150.00					
POT	611420.829	961938.568							

EY14									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	600960.745	969500.649							
LINE			N 44°08'12.6" W	13.94					
PC	600970.747	969490.944							
CURVE			N 11°43'56.1" W	160.77	64°48'33.0"(RT)	38°11'49.9"	169.67	95.21	150.00
PCC	601128.157	969458.254							
CURVE			N 24°38'42.8" E	144.79	07°56'44.6"(RT)	05°28'59.6"	144.91	72.57	1044.93
PT	601259.761	969518.632							
LINE			N 28°37'05.1" E	251.97					
PC	601480.949	969639.318							
CURVE			N 03°34'23.8" E	303.19	50°05'22.6"(L T)	16°00'00.0"	313.06	167.33	358.10
PT	601783.545	969658.214							
LINE			N 21°28'17.5" W	833.50					
PC	602559.197	969353.122							
CURVE			N 24°51'30.7" W	169.25	06°46'26.4"(L T)	04°00'00.0"	169.35	84.77	1432.39
PCC	602712.767	969281.972							
CURVE			N 22°12'14.8" W	603.02	12°04'58.3"(RT)	02°00'00.0"	604.14	303.20	2864.79
PCC	603271.073	969054.085							
CURVE			N 21°39'33.0" W	274.40	10°59'34.7"(L T)	04°00'00.0"	274.82	137.84	1432.39
PCC	603526.101	968952.807							
CURVE			N 32°24'55.9" W	677.60	10°31'11.3"(L T)	01°33'01.2"	678.55	340.23	3695.72
PT	604098.120	968589.576							
LINE			N 37°40'31.5" W	256.00					
PC	604300.740	968433.112							
CURVE			N 74°25'29.8" W	179.50	73°29'56.5"(L T)	38°11'49.9"	192.42	112.01	150.00
PT	604348.934	968260.208							
LINE			S 68°49'32.0" W	94.51					
POT	604314.797	968172.079							

EY									
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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

LINEB POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	610250.505	963691.449							
LINE			N 48°50'35.0" W	150.00					
PC	610349.224	963578.512	N 47°43'10.7" W	149.78	02°18'26.1"(RT)	01°32'25.2"	149.79	74.91	3719.72
PT	610449.990	963467.696	N 46°35'46.3" W	249.60					
LINE			N 50°52'38.5" W	285.14	08°33'44.3"(LT)	03°00'00.0"	285.41	142.97	1909.86
PC	610621.499	963286.354	N 55°09'30.6" W	300.00					
PT	610801.420	963065.140	N 58°46'34.3" W	241.02	07°14'07.4"(LT)	03°00'00.0"	241.18	120.75	1909.86
LINE			N 62°23'38.0" W	218.15					
PC	611097.753	962612.811	N 58°00'26.8" W	292.14	08°46'22.4"(RT)	03°00'00.0"	292.43	146.50	1909.86
PT	611353.622	962171.724							

LPA POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 46°53'32.1" W	243.21						45°00'00.0"(LT)	250.00	172.39	88.56
SC	597082.199	974009.154	S 72°05'19.2" W	163.65	61°52'45.0"(LT)	36°00'00.0"	171.89	95.40	159.15				
CURVE	597031.868	973853.432	N 90°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CS	597031.868	973853.432	S 06°45'16.8" W	269.71	68°47'19.7"(LT)	24°00'00.0"	286.62	163.43	238.73				
SC	596764.027	973821.709	S 00°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CURVE	596764.027	973821.709	S 57°46'51.5" E	159.83	60°16'57.0"(LT)	36°00'00.0"	167.45	92.41	159.15				
CS	596678.810	973956.931	N 61°59'53.7" E	243.21						45°00'00.0"(LT)	250.00	172.39	88.56
ST	596678.810	973956.931											

LPB POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			S 17°03'04.6" E	243.21						45°00'00.0"(RT)	250.00	172.39	88.56
SC	596406.234	974433.438	S 42°16'41.2" E	155.53	58°29'59.0"(RT)	36°00'00.0"	162.50	89.13	159.15				
CURVE	596291.158	974328.807	N 90°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CS	596291.158	974328.807	N 70°24'03.0" W	294.42	76°08'32.7"(RT)	24°00'00.0"	317.26	187.00	238.73				
SC	596389.919	974051.441	N 00°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CURVE	596389.919	974051.441	N 15°07'34.2" W	94.15	34°24'25.0"(RT)	36°00'00.0"	95.57	49.28	159.15				
CS	596480.802	974026.874	N 32°09'24.6" E	243.21						315°00'00.0"(RT)	250.00	172.39	88.56
ST	596480.802	974026.874											

LPC POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			S 46°53'32.1" E	243.21						45°00'00.0"(LT)	250.00	172.39	88.56
SC	596618.838	974556.825	N 71°15'19.7" E	167.61	63°32'44.0"(LT)	36°00'00.0"	176.52	98.58	159.15				
CURVE	596672.698	974715.542	N 90°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CS	596672.698	974715.542	N 05°05'17.8" E	269.71	68°47'19.7"(LT)	24°00'00.0"	286.62	163.43	238.73				
SC	596941.349	974739.463	N 00°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CURVE	596941.349	974739.463	N 59°26'39.5" W	159.82	60°16'35.0"(LT)	36°00'00.0"	167.43	92.40	159.15				
CS	597022.597	974601.837	S 60°20'16.7" W	243.21						45°00'00.0"(LT)	250.00	172.39	88.56
ST	597022.597	974601.837											

LPD POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 17°03'04.6" W	243.21						315°00'00.0"(RT)	250.00	172.39	88.56
SC	597296.642	974133.751	N 42°16'43.2" E	155.53	58°30'03.0"(RT)	36°00'00.0"	162.50	89.13	159.15				
CURVE	597411.719	974238.385	N 90°00'00.0" E	0.00						360°00'00.0"(RT)	0.00	0.00	0.00
CS	597411.719	974238.385	S 70°24'03.3" E	294.42	76°08'24.0"(RT)	24°00'00.0"	317.25	186.99	238.73				
SC	597312.961	974515.743	S 00°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
CURVE	597312.961	974515.743	S 15°07'33.8" E	94.15	34°24'35.0"(RT)	36°00'00.0"	95.58	49.28	159.15				
CS	597222.071	974540.312	S 32°09'30.0" W	243.21						45°00'00.0"(RT)	250.00	172.39	88.56
ST	597222.071	974540.312											

**NOTES:**

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

6/2/09

25-FEB-2019 09:48  
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 icqordon AT VDF-MKIEW-28

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

RPA													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	597947.757	973357.282											
CURVE			S 43°03'25.4" E	365.90	10°59'37.7"(RT)	03°00'00.0"	366.46	183.79	1909.86				
PCC	597680.405	973607.090											
CURVE			S 33°03'34.4" E	149.87	09°00'04.3"(RT)	06°00'00.0"	150.02	75.16	954.93				
CS	597554.802	973688.844											
SPIRAL			S 00°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
SC	597554.802	973688.844											
CURVE			S 14°53'41.0" E	338.38	27°19'42.4"(RT)	08°00'00.0"	341.61	174.12	716.20				
CS	597227.795	973775.821											
SPIRAL			S 04°06'11.7" W	199.83						08°00'00.0"(RT)	200.00	133.47	66.79
ST	597028.480	973761.523											
LINE			S 06°46'10.1" W	343.90									
TS	596686.978	973720.986											
SPIRAL			S 09°26'08.6" W	199.83						08°00'00.0"(RT)	200.00	133.47	66.79
SC	596489.855	973688.226											
CURVE			S 26°55'02.6" W	301.43	24°17'45.0"(RT)	08°00'00.0"	303.70	154.17	716.20				
CS	596221.084	973551.768											
SPIRAL			S 44°23'56.7" W	199.83						08°00'00.0"(RT)	200.00	133.47	66.79
ST	596221.084	973551.768											

RPB													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 34°38'16.7" W	199.83						08°00'00.0"(LT)	200.00	133.47	66.79
SC	595947.705	974782.507											
CURVE			N 54°14'28.8" W	353.06	28°32'21.0"(LT)	08°00'00.0"	356.74	182.15	716.20				
CS	596154.026	974496.001											
SPIRAL			N 90°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
SC	596154.026	974496.001											
CURVE			N 79°05'07.9" W	525.73	21°08'57.1"(LT)	04°00'00.0"	528.73	267.41	1432.39				
CS	596253.570	973979.778											
SPIRAL			N 90°00'00.0" W	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
SC	596253.570	973979.778											
CURVE			S 72°42'33.1" W	433.84	35°15'41.0"(LT)	08°00'00.0"	440.77	227.61	716.20				
CS	596124.622	973565.540											
SPIRAL			S 49°44'41.0" W	199.83						08°00'00.0"(LT)	200.00	133.47	66.79
ST	596124.622	973565.540											

RPC													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 30°58'18.4" W	149.98						03°00'00.0"(RT)	150.00	100.01	50.01
SC	595888.621	974939.523											
CURVE			N 23°54'29.3" W	252.85	10°07'37.9"(RT)	04°00'00.0"	253.18	126.92	1432.39				
PCC	596119.776	974837.050											
CURVE			N 09°27'41.2" W	311.37	18°45'58.3"(RT)	06°00'00.0"	312.77	157.80	954.93				
CS	596426.914	974785.865											
SPIRAL			N 03°55'18.6" E	199.90						354°00'00.0"(RT)	200.00	133.41	66.74
ST	596626.349	974799.537											
LINE			N 05°55'17.9" E	328.69									
TS	596953.281	974833.447											
SPIRAL			N 08°35'16.3" E	199.83						08°00'00.0"(RT)	200.00	133.47	66.79
SC	597150.867	974863.286											
CURVE			N 29°57'07.3" E	395.55	32°03'38.7"(RT)	08°00'00.0"	400.76	205.78	716.20				
CS	597493.590	975060.775											
SPIRAL			N 51°18'58.2" E	199.83						08°00'00.0"(RT)	200.00	133.47	66.79
ST	597493.590	975060.775											

RPD													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	597909.332	973537.760											
LINE			S 46°10'16.3" E	162.57									
TS	597796.753	973655.038											
SPIRAL			S 48°50'14.7" E	199.83						08°00'00.0"(LT)	200.00	133.47	66.79
SC	597665.227	973805.476											
CURVE			S 60°44'56.4" E	164.08	13°09'20.1"(LT)	08°00'00.0"	164.44	82.59	716.20				
CS	597585.050	973948.637											
SPIRAL			S 72°39'38.0" E	199.83						08°00'00.0"(LT)	200.00	133.47	66.79
ST	597525.495	974139.383											
LINE			S 75°19'36.4" E	199.81									
TS	597474.882	974332.676											
SPIRAL			S 77°59'34.8" E	199.83						08°00'00.0"(LT)	200.00	133.47	66.79
SC	597433.312	974528.131											
CURVE			N 79°08'19.7" E	431.55	35°04'07.7"(LT)	08°00'00.0"	438.36	226.29	716.20				
CS	597514.629	974951.950											
SPIRAL			N 56°16'14.3" E	199.83						08°00'00.0"(LT)	200.00	133.47	66.79
ST	597625.587	975118.140											
LINE			N 53°36'15.9" E	75.17									
POT	597670.190	975178.648											

REVISIONS

**NOTES:**

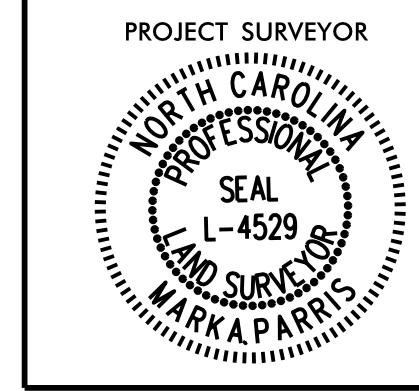
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# RIGHT OF WAY CONTROL SHEET



ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	402+50.00	195.00	598937.8912	972222.4614
L	402+50.00	172.03	598917.4461	972211.9908
L	403+10.00	175.84	598947.8933	972161.1792
L	403+10.00	195.00	598964.9031	972170.0057
L	456+15.00	-205.00	603037.0165	969075.7708
L	456+15.00	-181.53	603045.6162	969097.6097
L	456+90.00	-205.00	603106.6188	969048.3495
L	456+90.00	-179.50	603115.9828	969072.0645
L	566+30.00	-161.20	611227.1397	961998.7568
L	566+30.00	-141.20	611243.0679	962010.8528
L	566+85.00	-161.20	611262.1339	961953.3582
L	566+85.00	-138.78	611279.7949	961967.1755
L	571+80.00	-135.72	611623.2896	961586.9110
L	571+80.00	-155.00	611609.7662	961573.1674
L	573+00.00	-155.00	611700.1331	961486.9998
L	573+00.00	-135.52	611713.3543	961501.3088
L	628+10.00	-100.21	616473.7494	958825.5250
L	628+10.00	-110.00	616466.6903	958818.7457
L	628+35.00	-100.22	616490.7171	958807.7663
L	628+35.00	-110.00	616483.6349	958801.0241

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	10+34.00	60.00	608946.2952	963771.0871
Y5	10+34.00	75.00	608940.9809	963785.1142
Y5	12+81.05	65.00	609160.4426	963872.3081
Y5	13+45.65	65.00	609212.4061	963904.0353
Y5	13+47.00	70.00	609210.7378	963908.9158
Y5	13+67.00	65.00	609229.8311	963915.5192
Y5	15+52.00	-105.00	609477.9054	963875.7180
Y5	15+53.00	-97.07	609474.3641	963882.8888
Y5	15+71.00	-110.00	609496.5127	963882.0242
Y5	15+74.00	-99.06	609492.9809	963892.8074
Y5	16+55.00	-106.74	609564.7887	963931.0652
Y5	16+55.00	-156.00	609591.9530	963889.9709
Y5	16+55.00	-108.42	609565.7168	963929.6611
Y5	16+80.00	-156.38	609613.0183	963903.4393
Y5	17+03.58	-114.04	609609.3367	963951.7640
Y5	17+05.00	-111.48	609609.1145	963954.6811
Y5	18+10.00	-124.27	609700.5662	963997.9038
Y5	21+11.75	-119.70	609951.5561	964132.5699
Y5	21+55.40	245.36	609848.5396	964485.4565
Y5	21+64.58	230.56	609862.7661	964475.4035
Y5	21+70.00	-110.48	610000.7818	964163.4937
Y5	21+72.00	256.00	609859.6748	964501.7252
Y5	21+81.00	242.00	609873.4227	964492.3447
Y5	29+17.00	-30.65	610656.0416	964536.5356
Y5	29+50.00	-64.00	610700.9825	964522.0327
Y5	29+52.00	-52.00	610697.2803	964533.6268
Y5	29+69.00	-68.00	610719.9957	964527.4042
Y5	29+72.00	-55.00	610716.6698	964540.3367
Y5	30+95.09	-41.12	610819.1424	964610.6784
Y5	31+50.00	-35.00	610864.6907	964641.9447
Y5	31+50.00	-30.00	610862.3350	964646.3550

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+29.00	60.00	600548.1751	969449.5781
Y2	10+33.00	85.00	600545.4365	969474.7475
Y2	10+40.00	-30.00	600582.5338	969365.6705
Y2	10+40.00	-45.00	600586.4919	969351.2022
Y2	10+60.00	-45.00	600605.7830	969356.4796
Y2	10+60.00	-30.00	600601.8249	969370.9480
Y2	11+81.00	60.00	600694.7878	969489.6868
Y2	12+04.00	60.00	600716.9726	969495.7559
Y2	12+07.00	72.00	600716.6998	969508.1222
Y2	12+25.00	60.00	600737.2283	969501.2972
Y2	12+26.00	66.00	600736.6096	969507.3484
Y2	23+56.73	-106.98	601774.8209	969939.9606
Y2	25+22.35	-105.35	601896.2182	970032.2125
Y2	25+24.66	-102.93	601896.4990	970035.1808
Y2	25+46.55	-115.16	601916.5800	970032.2125
Y2	25+55.92	-101.11	601916.5399	970047.8868
Y2	25+80.00	-100.23	601932.8760	970056.1930
Y2	26+15.00	-135.00	601968.5037	970032.2730
Y2	26+15.00	-98.56	601957.3711	970066.9709
Y2	26+45.00	-125.00	601985.7255	970047.5105
Y2	27+25.00	-155.00	602042.7082	970025.5861
Y2	27+30.00	-91.13	602043.5194	970089.5451
Y2	27+70.00	-87.90	602075.0159	970092.4321
Y2	27+75.00	-155.00	602074.2353	970025.2405

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	9+49.00	-25.33	610267.8382	964125.1958
Y6	9+60.00	-61.00	610284.3314	964158.6791
Y6	9+70.04	-24.96	610252.2858	964139.3782
Y6	9+80.00	-55.00	610265.6715	964168.0497

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	11+01.00	40.00	601921.1847	970393.5411
Y4	11+03.00	55.00	601934.7209	970400.3064
Y4	11+21.00	40.00	601932.4119	970376.9897
Y4	11+23.00	53.00	601944.2930	970382.6323

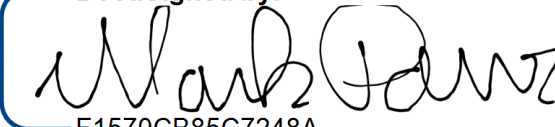
ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	21+70.00	-140.00	617371.9422	958513.5742
Y7	21+80.00	-115.16	617344.8949	958517.8449
Y7	21+85.00	-150.00	617376.6641	958533.2677
Y7	22+05.00	-110.63	617332.2006	958543.6367
Y7	23+50.00	-120.00	617276.4186	958699.0582
Y7	23+55.00	-80.78	617239.1901	958685.4986
Y7	23+70.00	-120.00	617265.4455	958719.1359
Y7	23+75.00	-77.11	617225.3675	958702.8701
Y7	24+95.00	-110.00	617178.4020	958831.9275
Y7	25+00.00	-56.25	617132.7230	958803.0799
Y7	25+20.00	-110.00	617160.6677	958853.9819
Y7	25+25.00	-52.52	617113.0166	958821.3777
Y7	27+30.00	-40.00	616946.5477	958959.3239
Y7	27+30.00	-30.23	616940.8224	958951.4126
Y7	27+50.00	-40.00	616929.4450	958971.3914
Y7	27+50.00	-30.00	616923.7726	958963.1558

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 5th day of June, 2019.

DocuSigned by:  
  
 F1570CB85C7248A  
 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.

REVISIONS

05-JUN-2019 14:07 V:\Projects\2019\31912-02 I-4400BB RW Staking\RW Sheets\14400BB\_1s\_RW03E-2.dgn



Location and Surveys

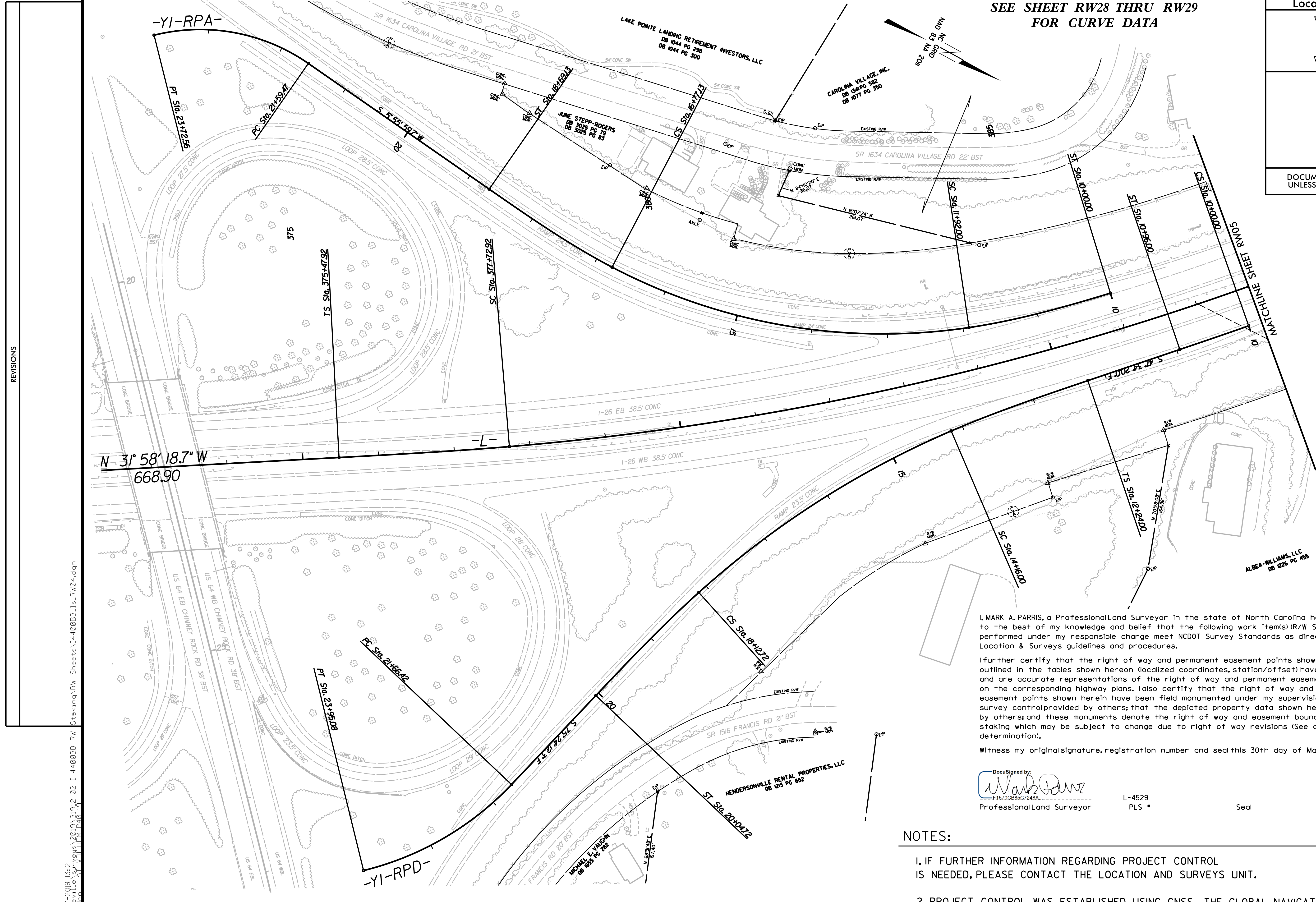


PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEE SHEET RW28 THRU RW29 FOR CURVE DATA



REVISIONS

30 MAY 2019 13:12  
V:\Projects\116\SR\116\116-219-219-19  
I:\Projects\116\SR\116\116-219-219-19  
Staking RW Sheets\14400BB\_1s\_RW04.dgn

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 30th day of May, 2019.

DocuSigned by:  
*Mark Parris*  
F15700C866248A  
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.



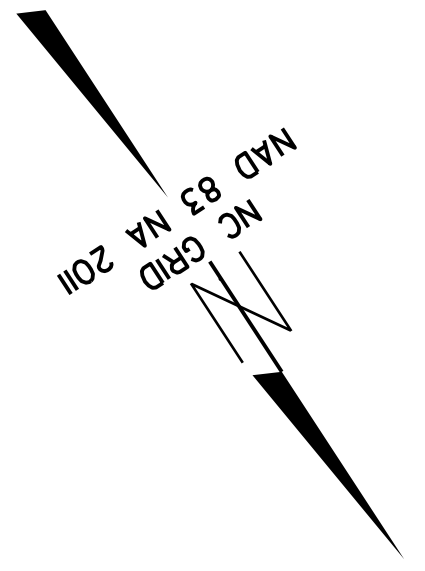
6/2/19

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW05
<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 30th day of May, 2019.

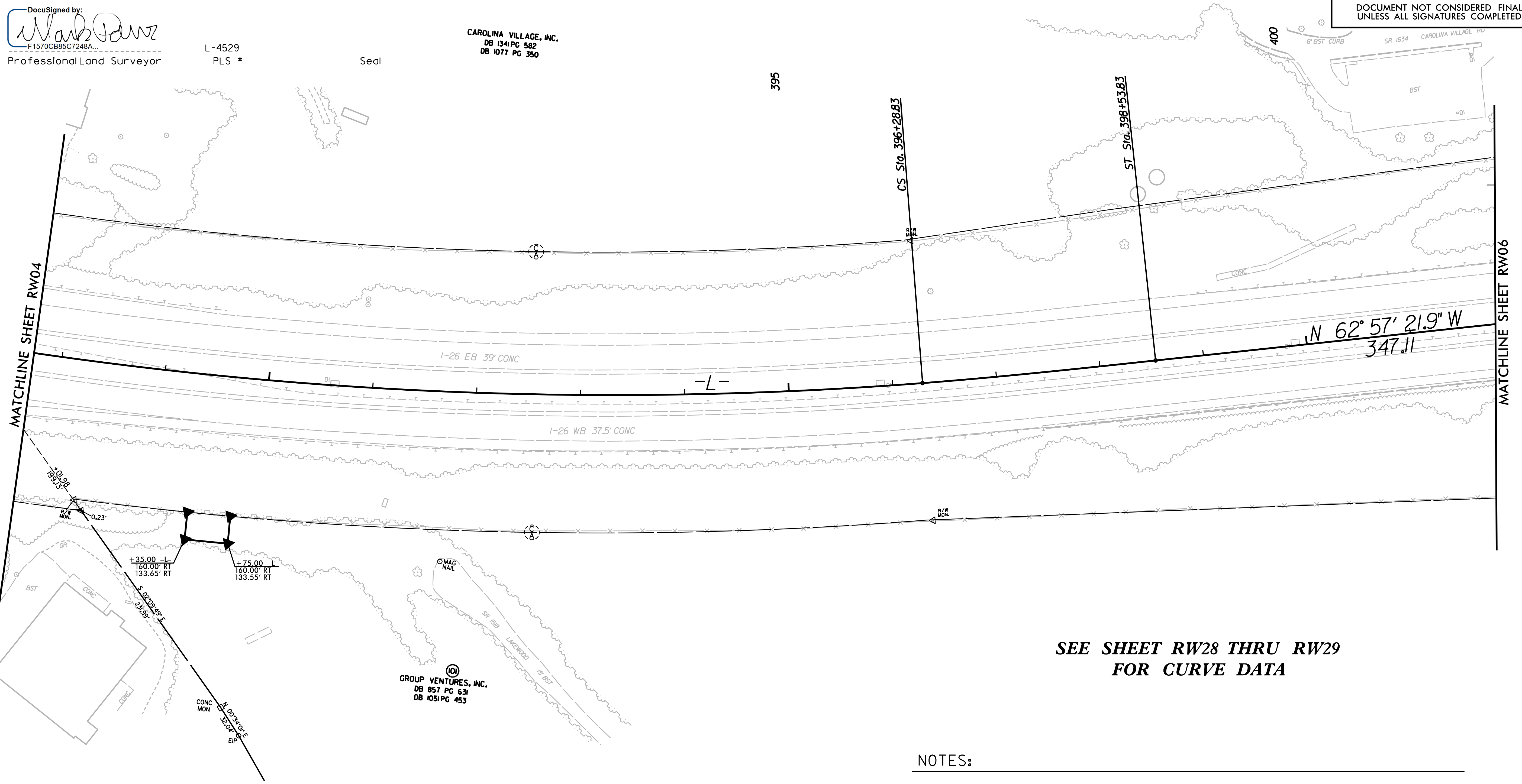


DocuSigned by:  
  
F1570CB85C7248A  
Professional Land Surveyor

L-4529  
PLS #  
Seal

CAROLINA VILLAGE, INC.  
DB 1341 PG 582  
DB 1077 PG 350

GROUP VENTURES, INC.  
DB 857 PG 631  
DB 1051 PG 453



**SEE SHEET RW28 THRU RW29  
FOR CURVE DATA**

**NOTES:**


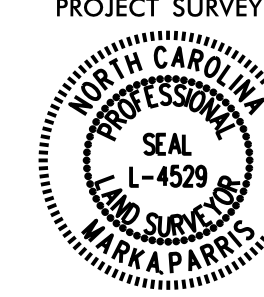
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

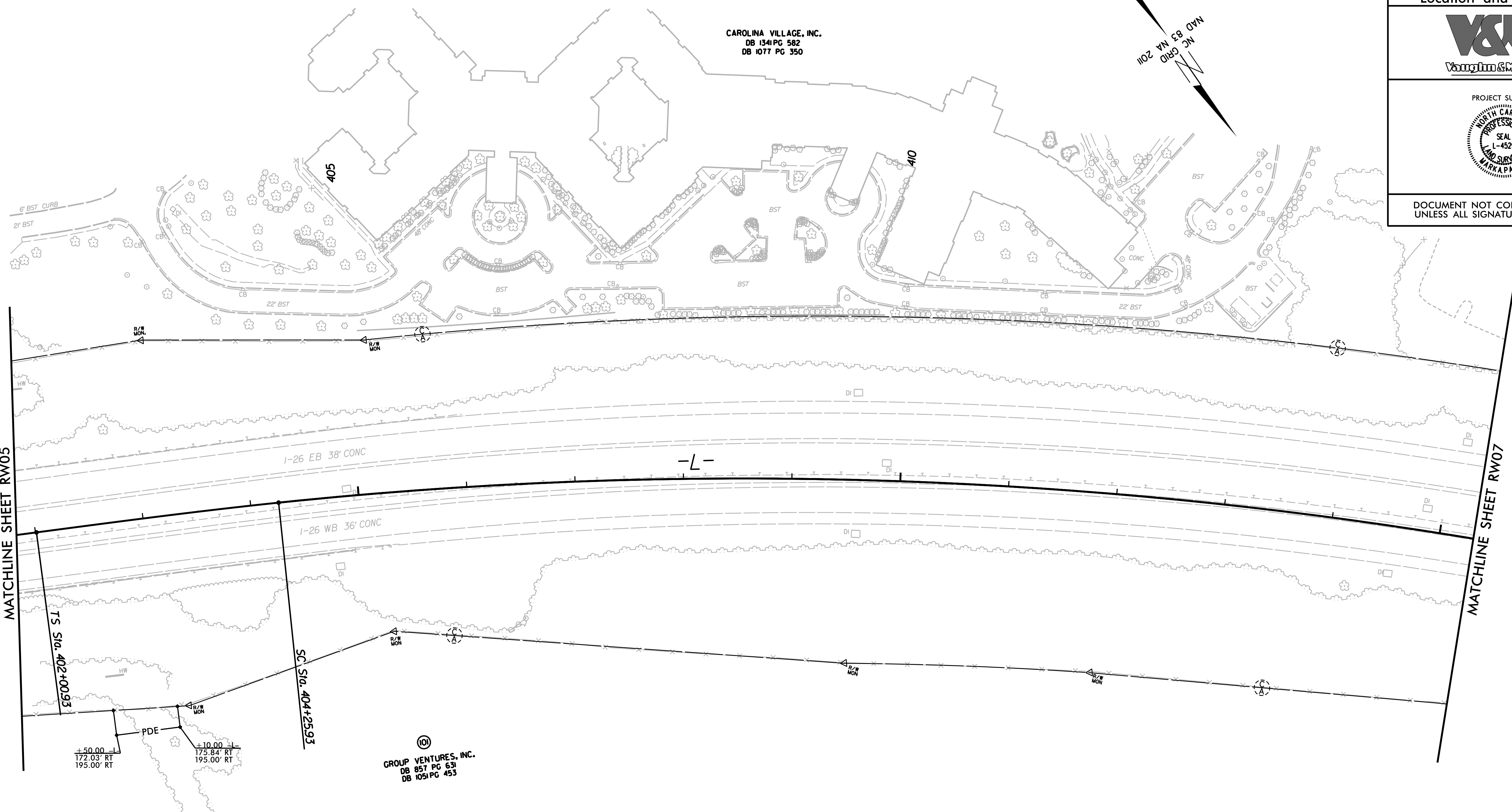
REVISIONS

30 MAY 2019 13:18  
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 6/2/19



6/2/19

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW06
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

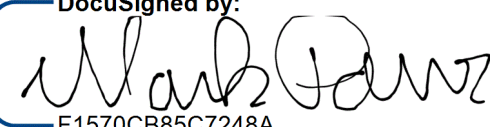
MATCHLINE SHEET RW05

MATCHLINE SHEET RW07

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 30th day of May, 2019.

DocuSigned by:  
  
 F1570CB85C7248A  
 Professional Land Surveyor

L-4529  
 PLS #

Seal

**SEE SHEET RW28 THRU RW29  
 FOR CURVE DATA**



**NOTES:**

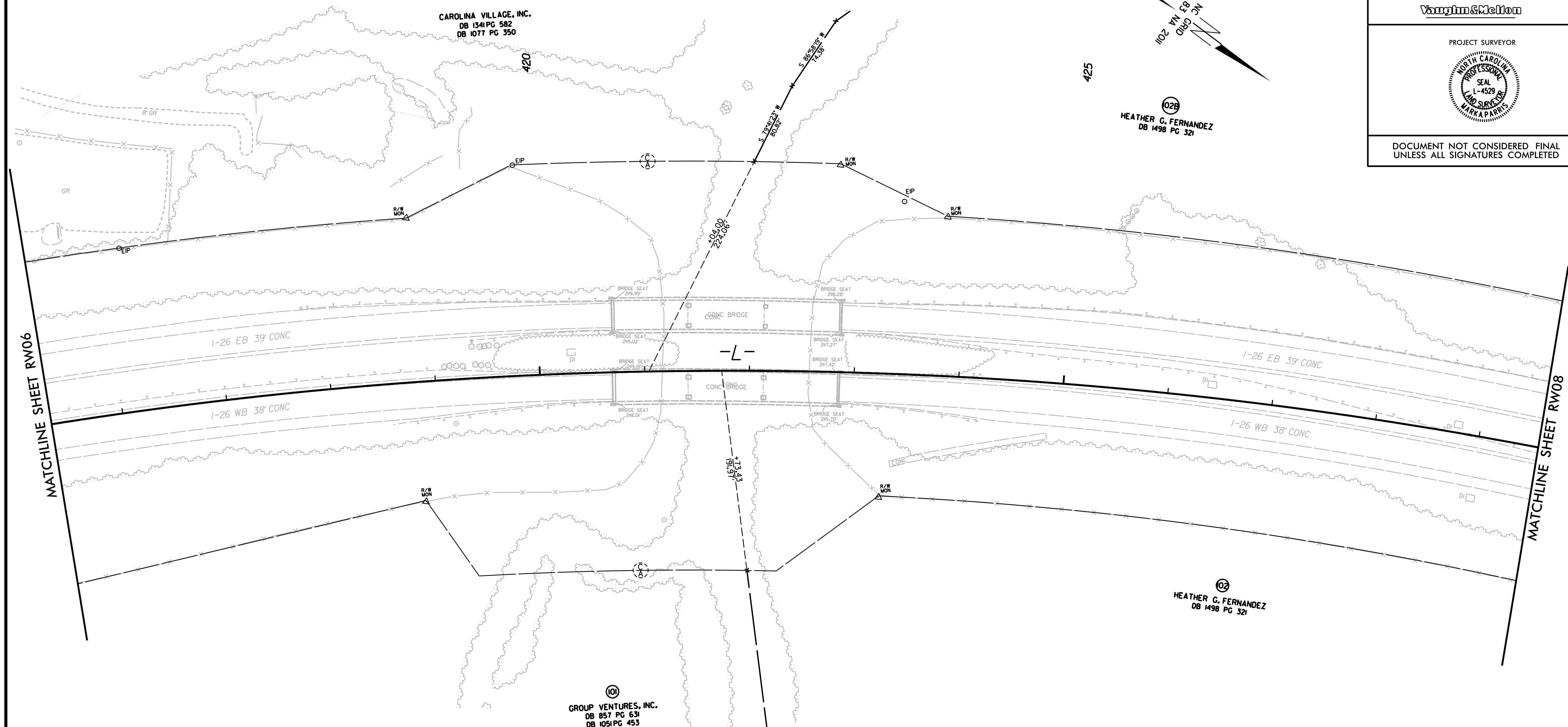
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

30 MAY 2019 13:21  
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 I-4400BB RW  
 31912-02  
 I-4400BB RW  
 19



6/2/2019

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW07
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

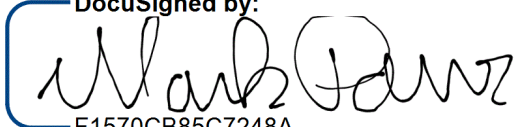
MATCHLINE SHEET RW06

MATCHLINE SHEET RW08

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 30th day of May, 2019.

DocuSigned by:  
  
 F1570CB85C7248A  
 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.

30 MAY 2019 13:23  
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 I-4400BB RW  
 31912-02  
 1-4400BB-19







6/22/19

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 items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

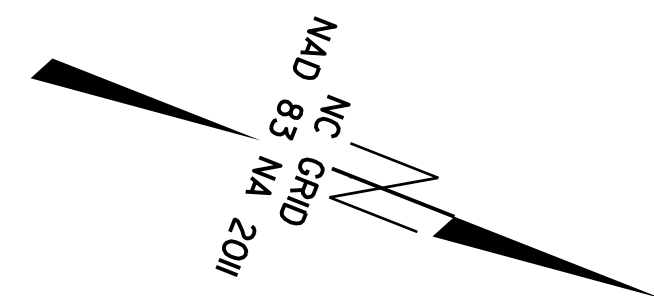
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 30th day of May, 2019.


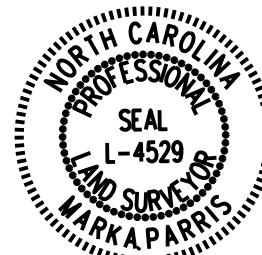
DocuSigned by:  Professional Land Surveyor

L-4529 PLS #

Seal

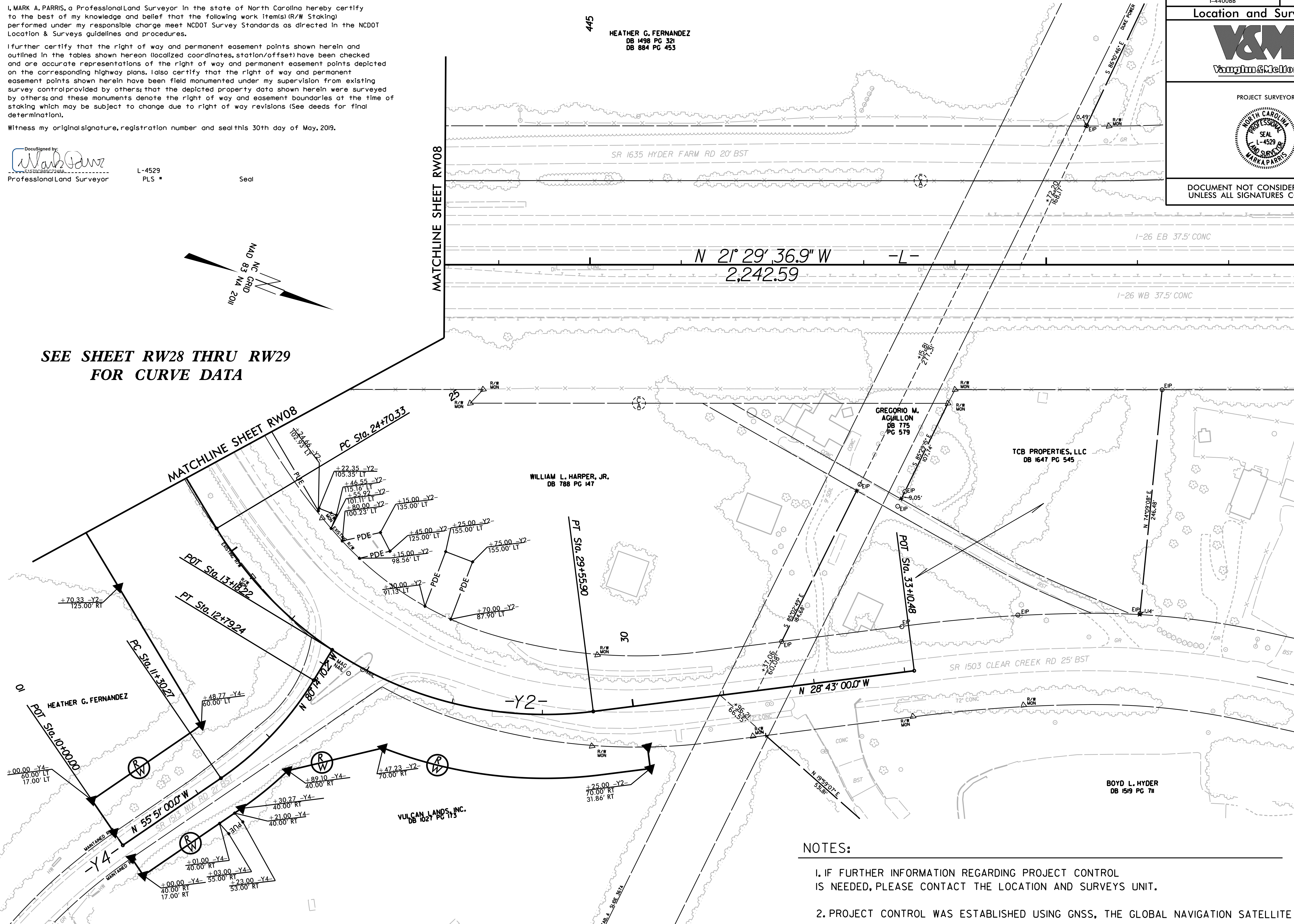


SEE SHEET RW28 THRU RW29 FOR CURVE DATA

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW09
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

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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.



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 30th day of May, 2019.

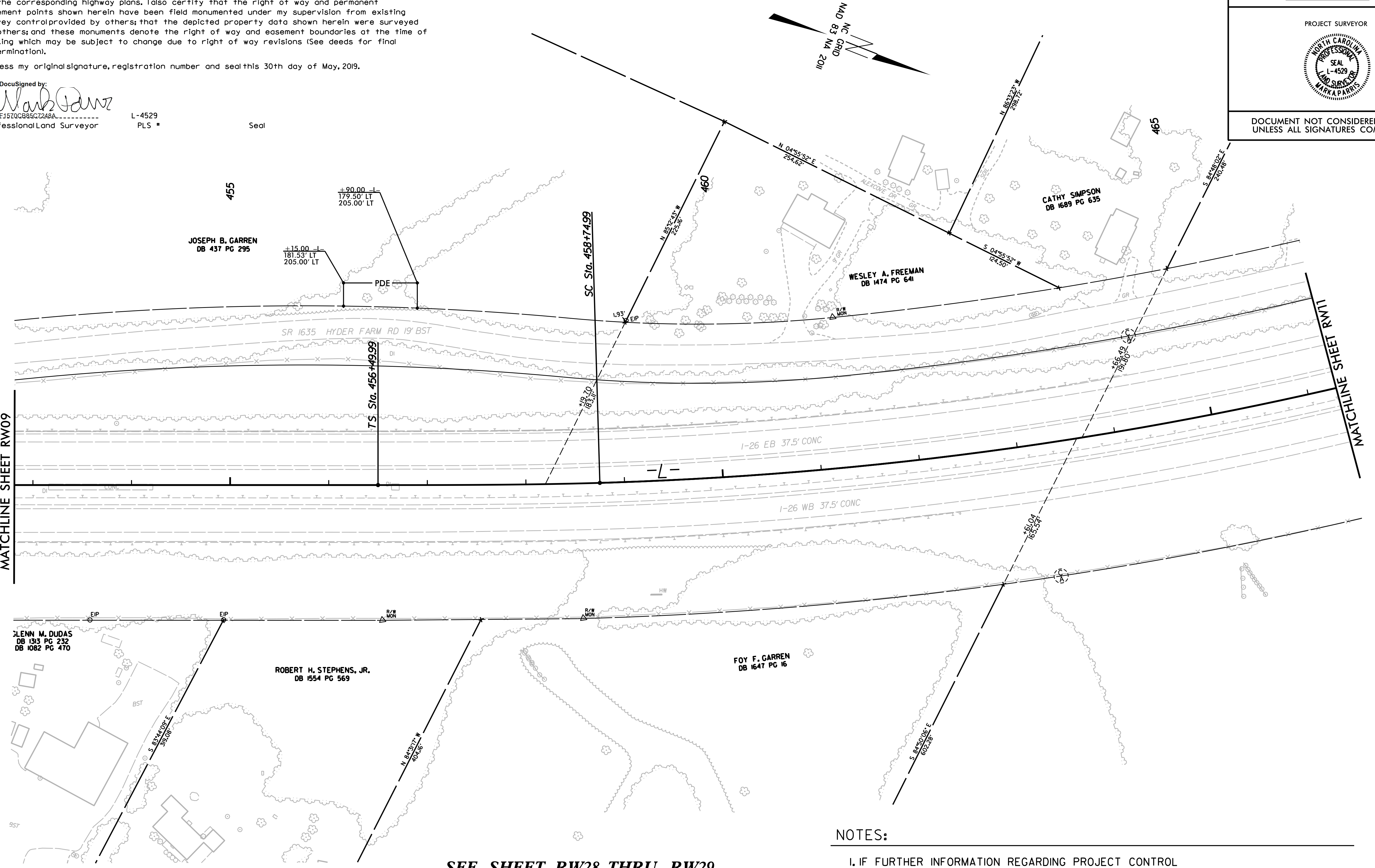
DocuSigned by:  
*Mark Parris*  
F1570CB85C7248A  
Professional Land Surveyor

L-4529  
PLS #

Seal

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW10
<b>Location and Surveys</b>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



**SEE SHEET RW28 THRU RW29  
FOR CURVE 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.

30 MAY 2019 15:45  
V:\Projects\1912-02 I-4400BB RW Staking\RW Sheets\14400BB\_1s\_RW10.dgn  
Mark Parris  
L-4529  
PLS #





6/2/19

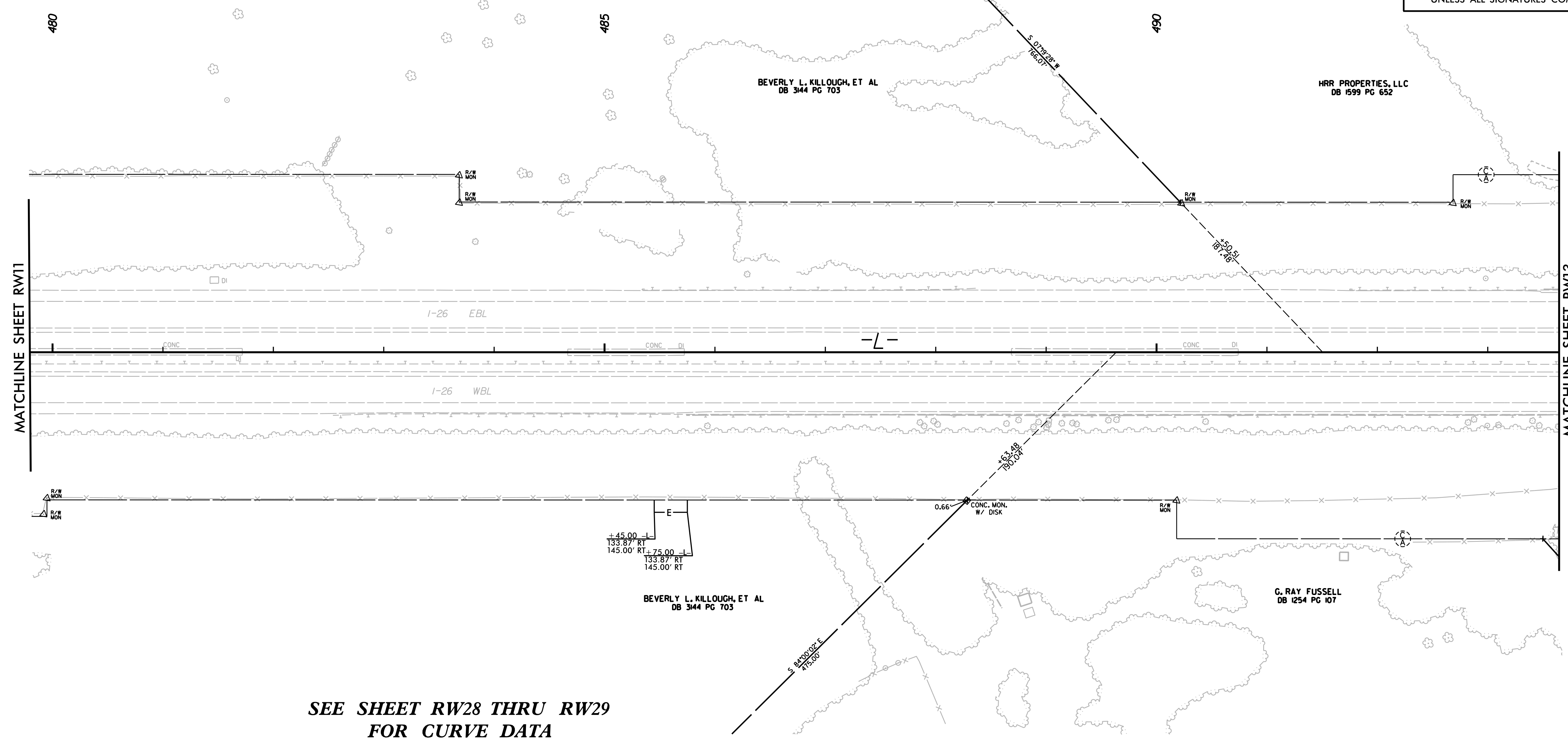
I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and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

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Witness my original signature, registration number and seal this 30th day of May, 2019.

DocuSigned by:  
*Mark Parris*  
F157QC885CZ24RA L-4529  
Professional Land Surveyor PLS # Seal

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW12
<b>Location and Surveys</b>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



**SEE SHEET RW28 THRU RW29  
FOR CURVE 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.

REVISIONS

30 MAY 2019 13:50  
V:\Projects\1912\1912-02 I-4400BB RW Staking\RW Sheets\14400BB\_1s\_RW12.dgn  
Author: MJP  
Appr: MJP



6/2/19

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 30th day of May, 2019.

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

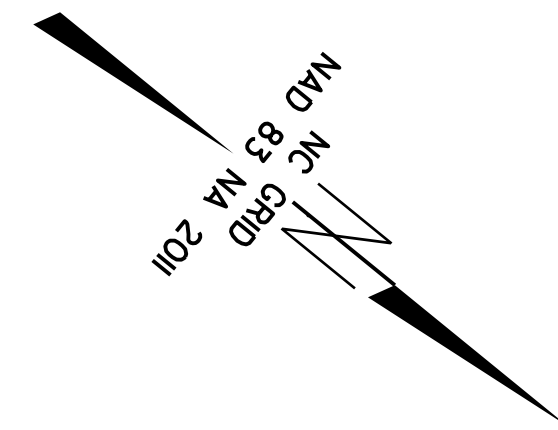
L-4529  
PLS #

Seal

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500

505



**SEE SHEET RW28 THRU RW29  
FOR CURVE DATA**

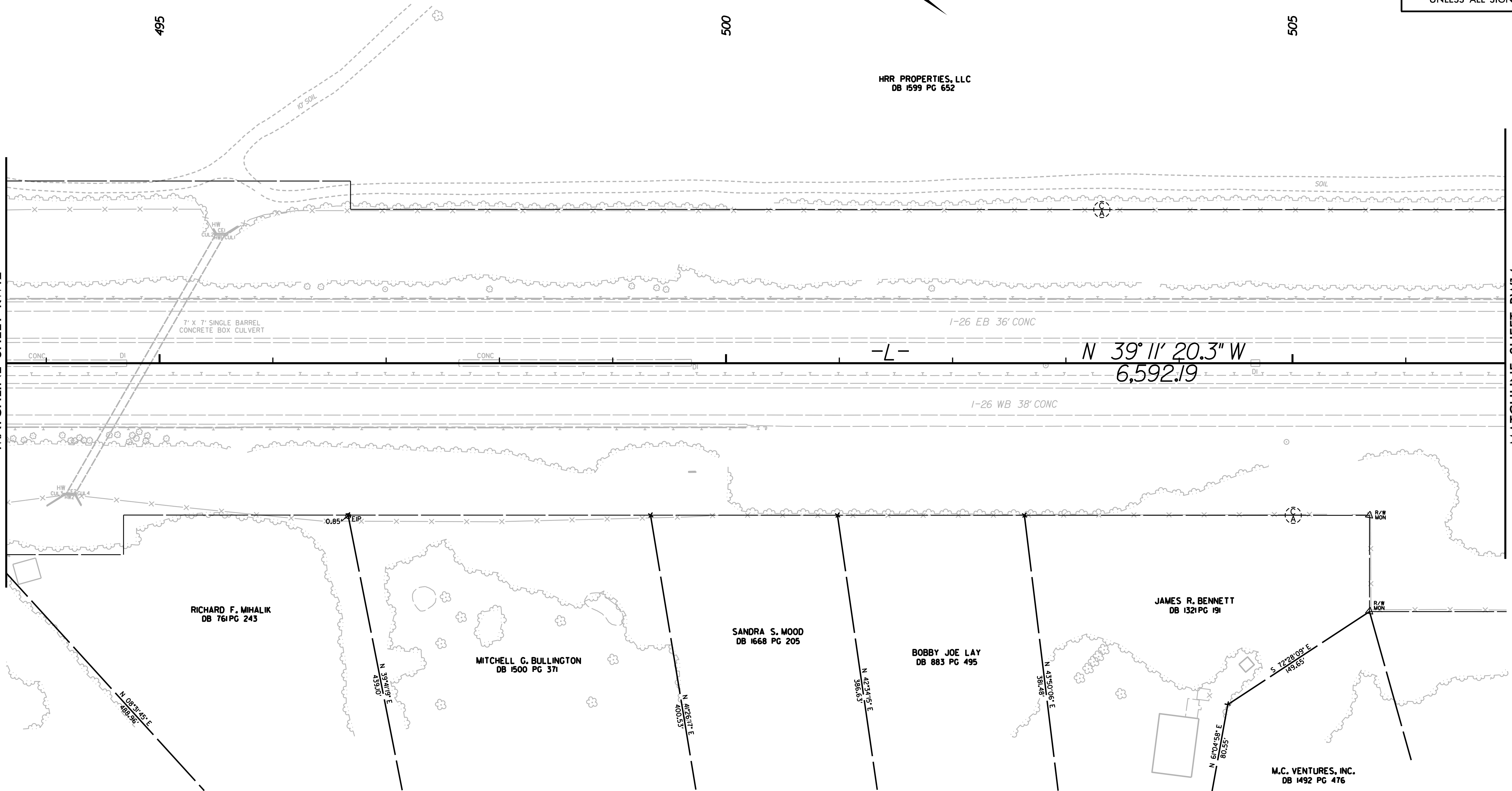
HRR PROPERTIES, LLC  
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PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW13
<b>Location and Surveys</b>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

MATCHLINE SHEET RW12

MATCHLINE SHEET RW14



**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.

30 MAY 2019 13:52  
V:\Projects\1912-02 I-4400BB RW Staking\RW Sheets\14400BB\_1s\_RW13.dgn  
Author: M.A.P.  
Cadd: M.A.P.  
Plot: M.A.P.







6/2/19

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 items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

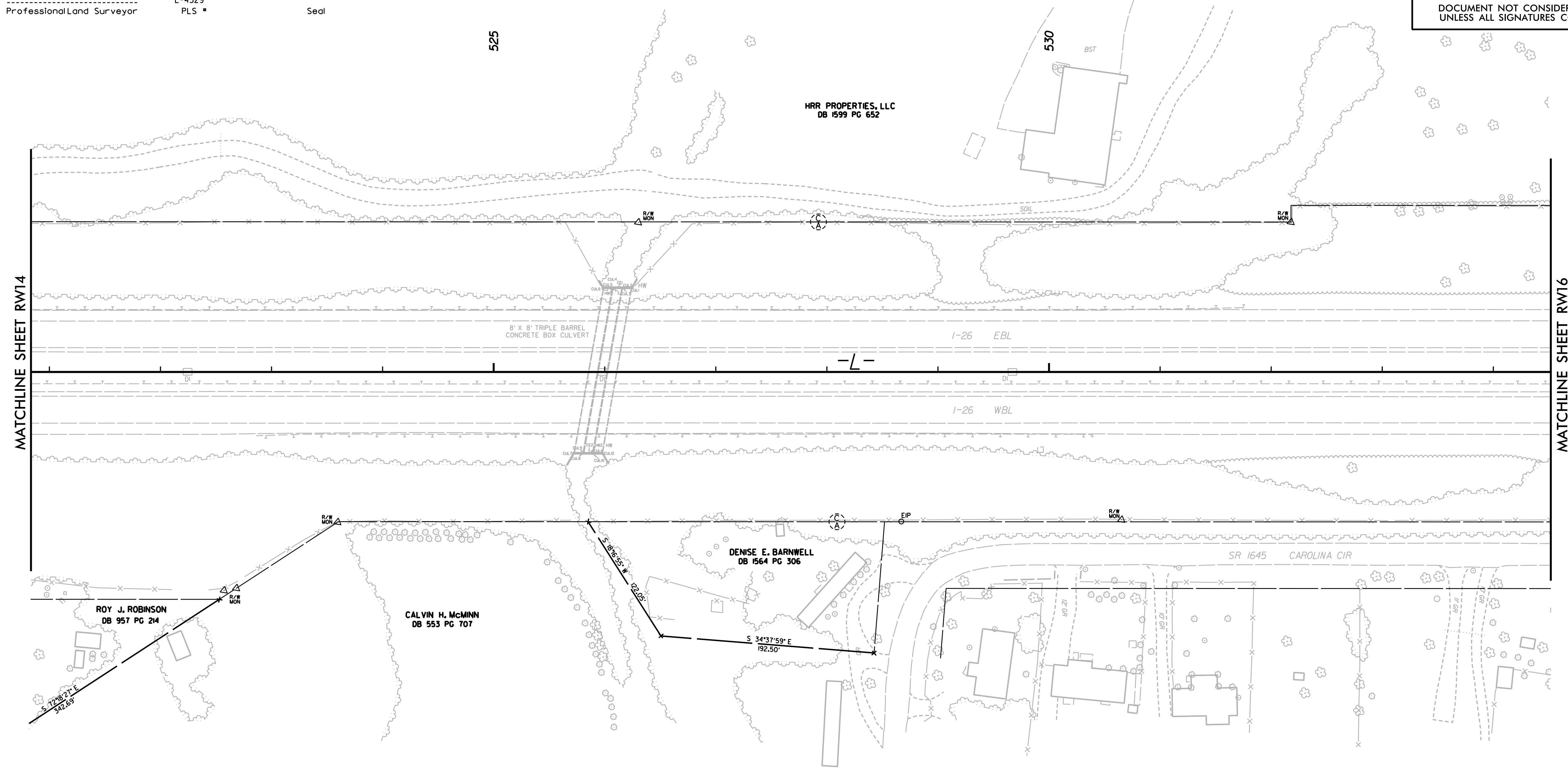
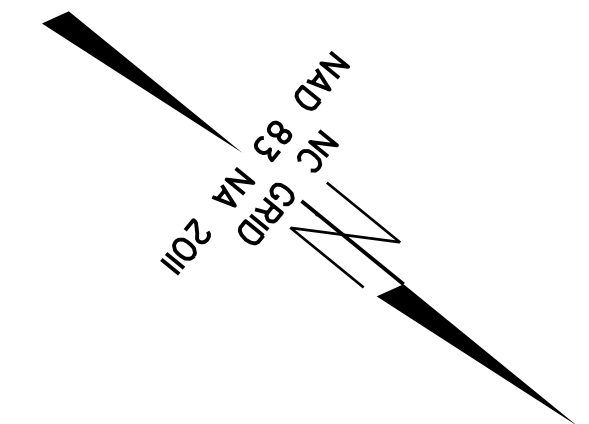
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 30th day of May, 2019.

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

L-4529  
PLS # Seal

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW15
<b>Location and Surveys</b>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



**SEE SHEET RW28 THRU RW29  
FOR CURVE DATA**

**NOTES:**

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REVISIONS

30 MAY 2019 13:57  
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Location and Surveys

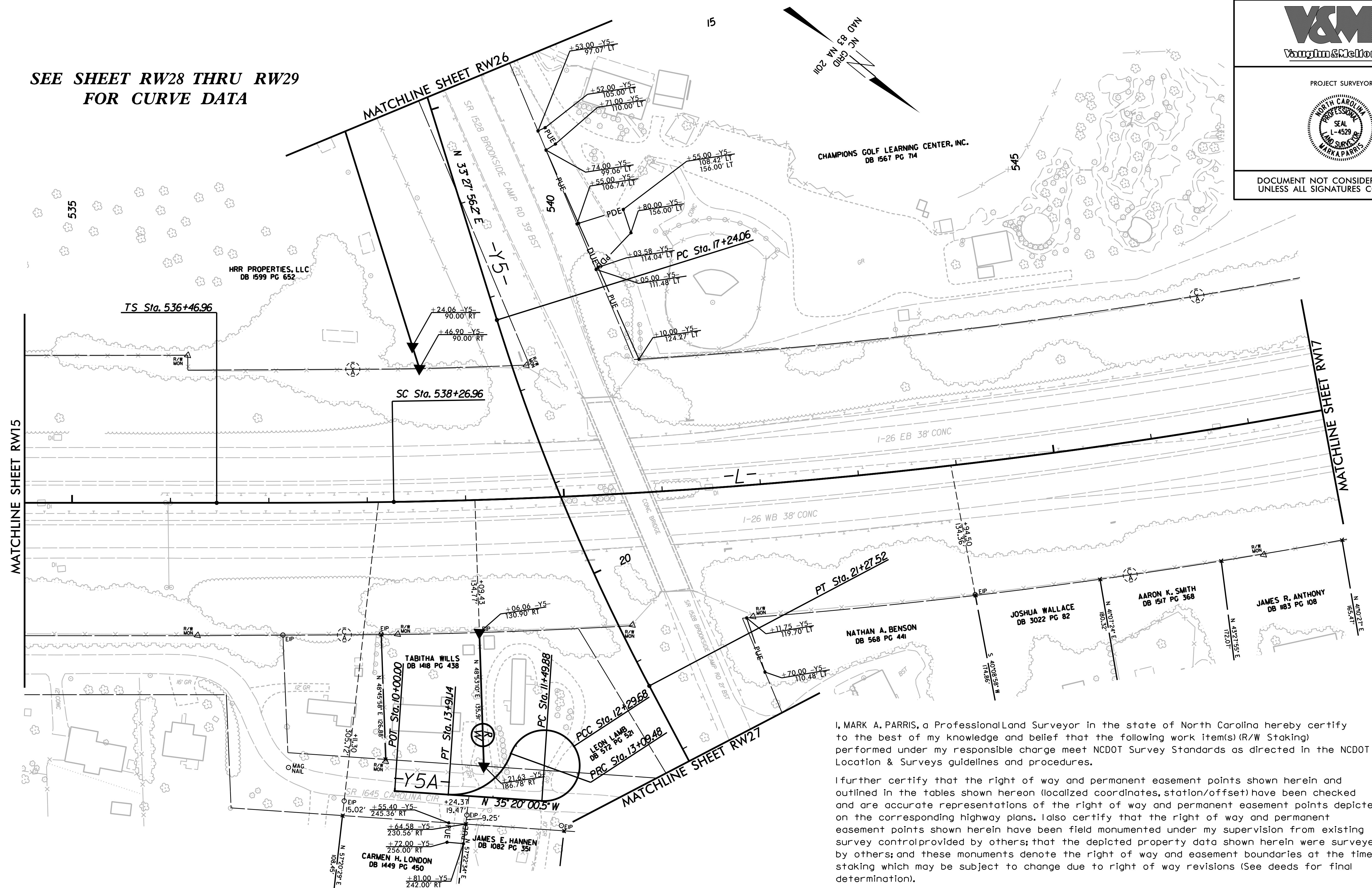


PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEE SHEET RW28 THRU RW29 FOR CURVE DATA



REVISIONS

17 JUN 2019 14:36  
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NOTES:

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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 30th day of May, 2019.

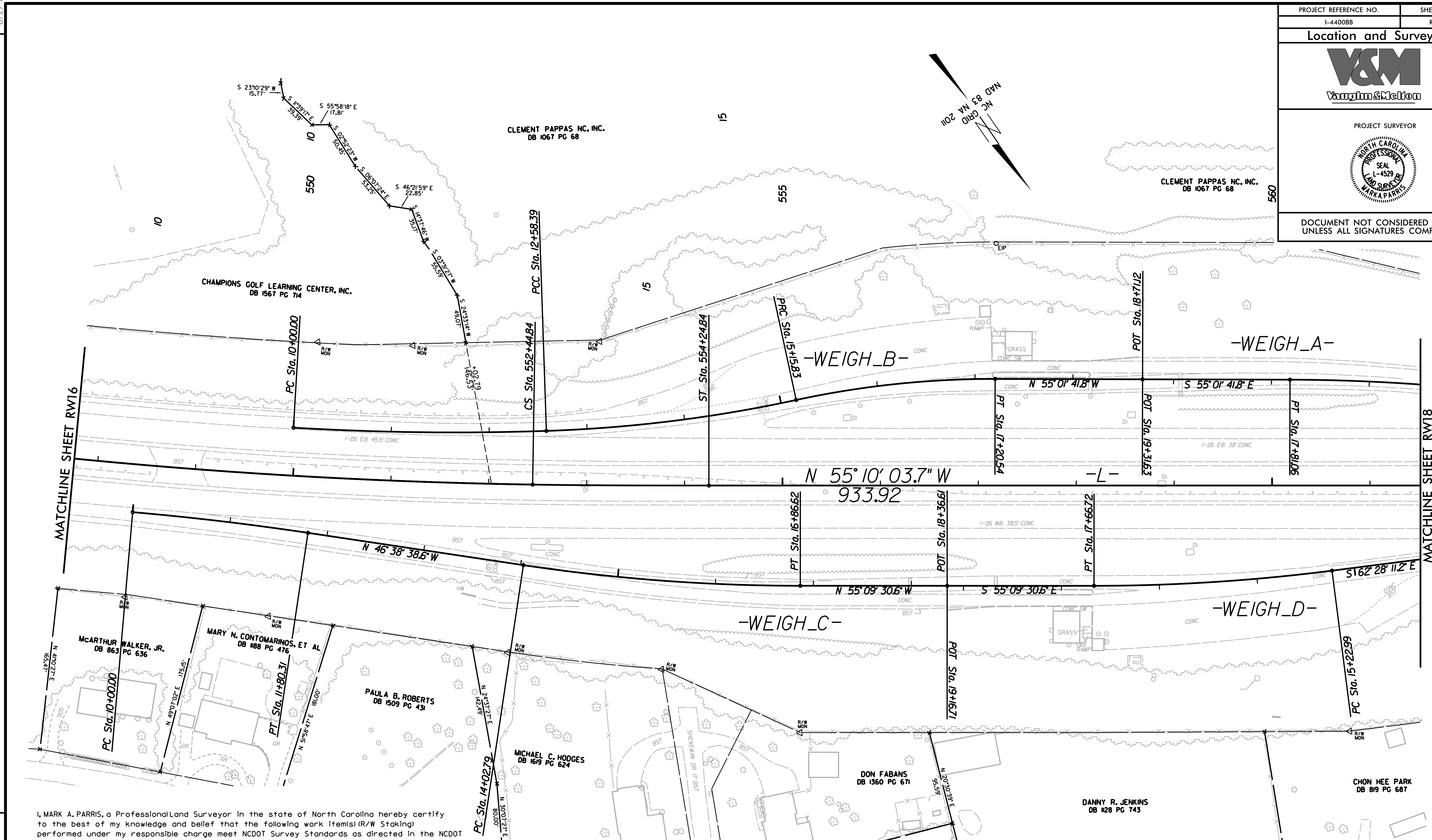
DocuSigned by:  
  
 F1570CB88C7248A  
 Professional Land Surveyor

L-4529  
PLS #

Seal



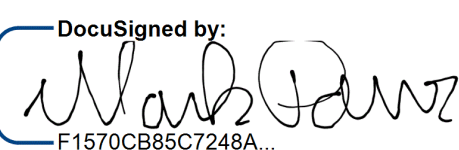
PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW17
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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Witness my original signature, registration number and seal this 30th day of May, 2019.

DocuSigned by:  
  
 L-4529  
 Professional Land Surveyor PLS \* Seal

**SEE SHEET RW28 THRU RW29  
FOR CURVE DATA**



**NOTES:**

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

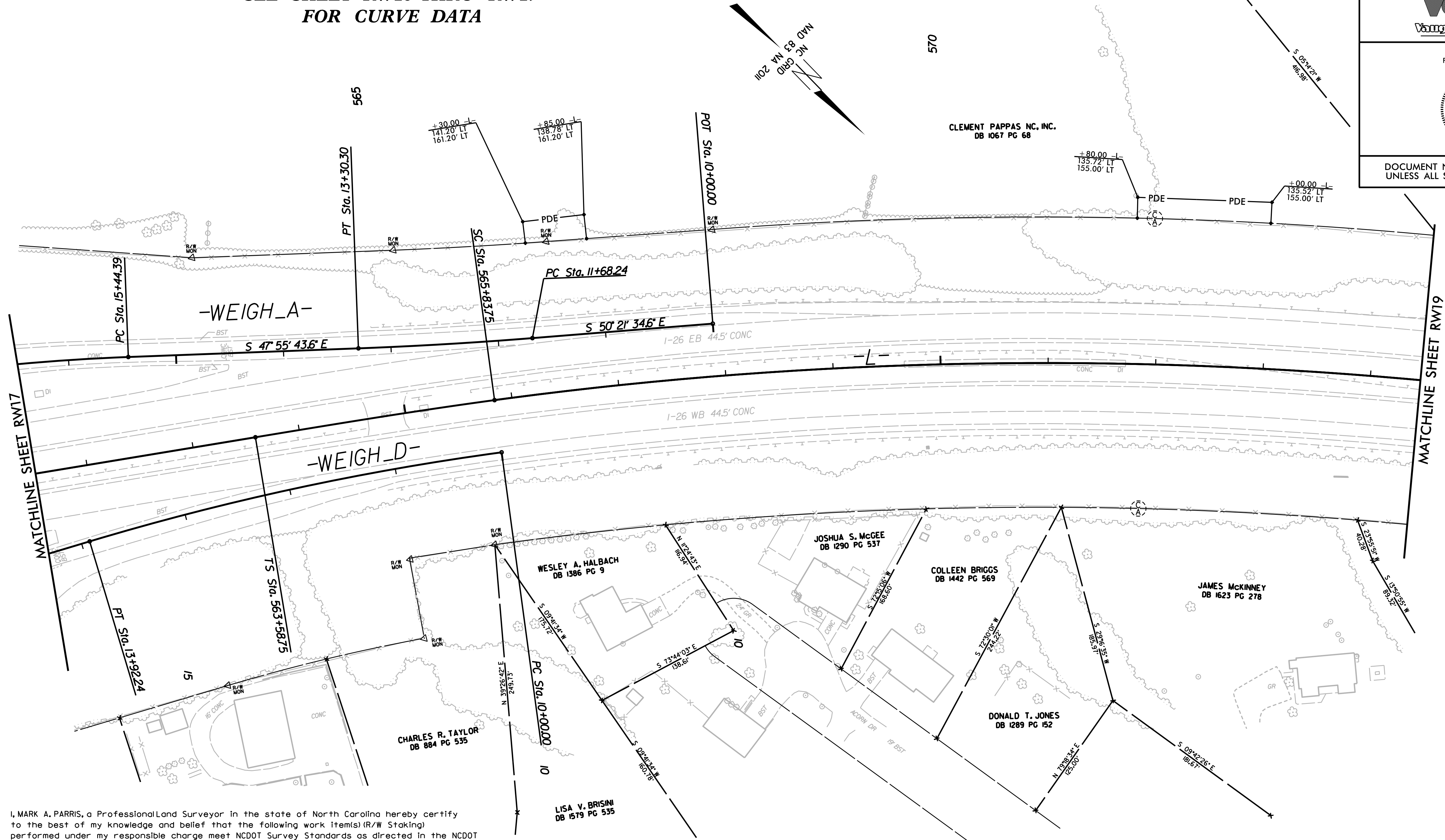
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30 MAY 2019 15:43  
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 6/2/19



PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW18
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

### SEE SHEET RW28 THRU RW29 FOR CURVE DATA



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Witness my original signature, registration number and seal this 5th day of June, 2019.

DocuSigned by:  
  
Professional Land Surveyor

L-4529  
PLS # Seal



#### NOTES:

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

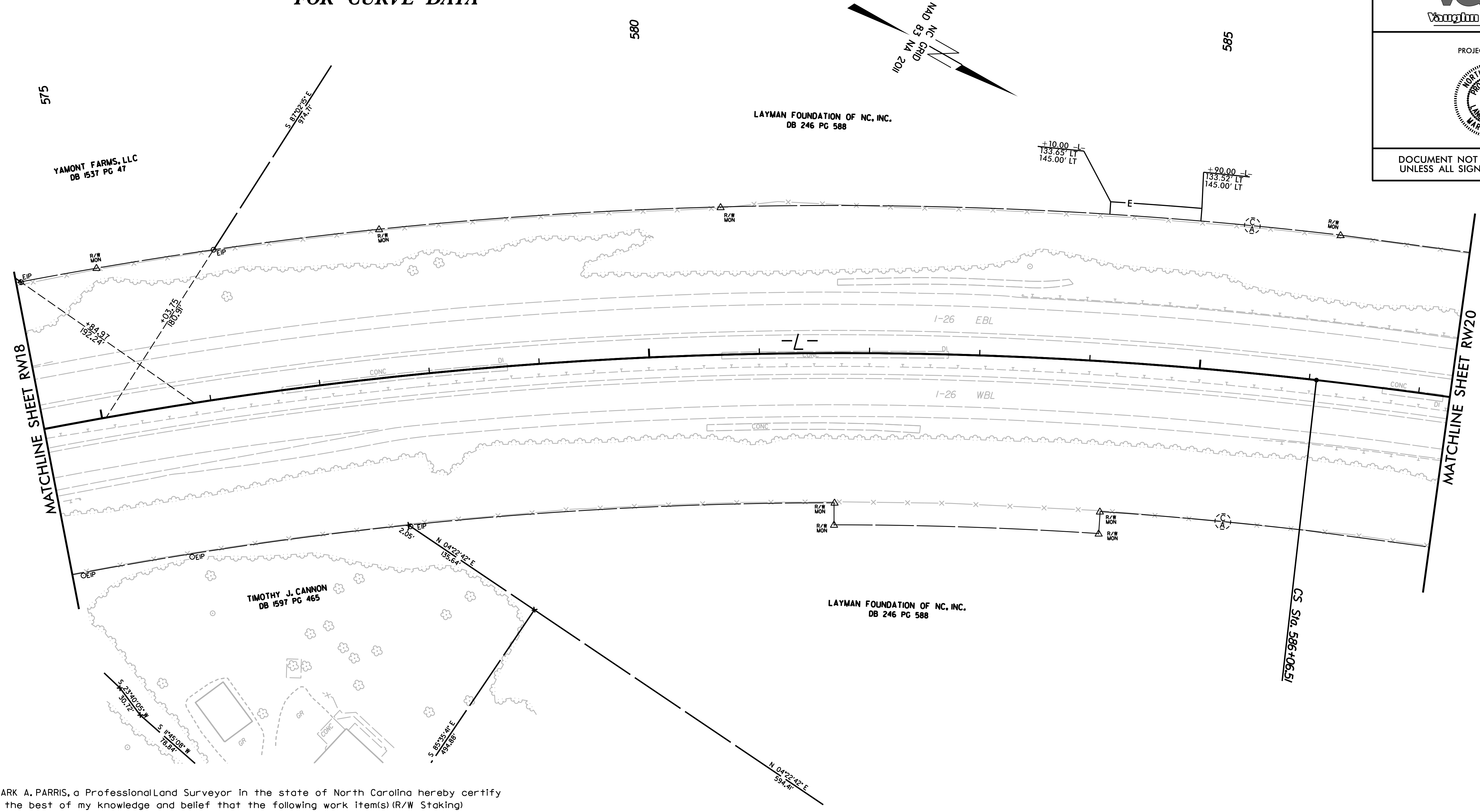
REVISIONS

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PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW19
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

### SEE SHEET RW28 THRU RW29 FOR CURVE DATA



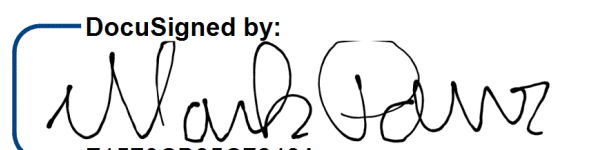
REVISIONS

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DocuSigned by:  
  
F1570CB85C7248A...  
Professional Land Surveyor



L-4529  
PLS #  
Seal

#### NOTES:

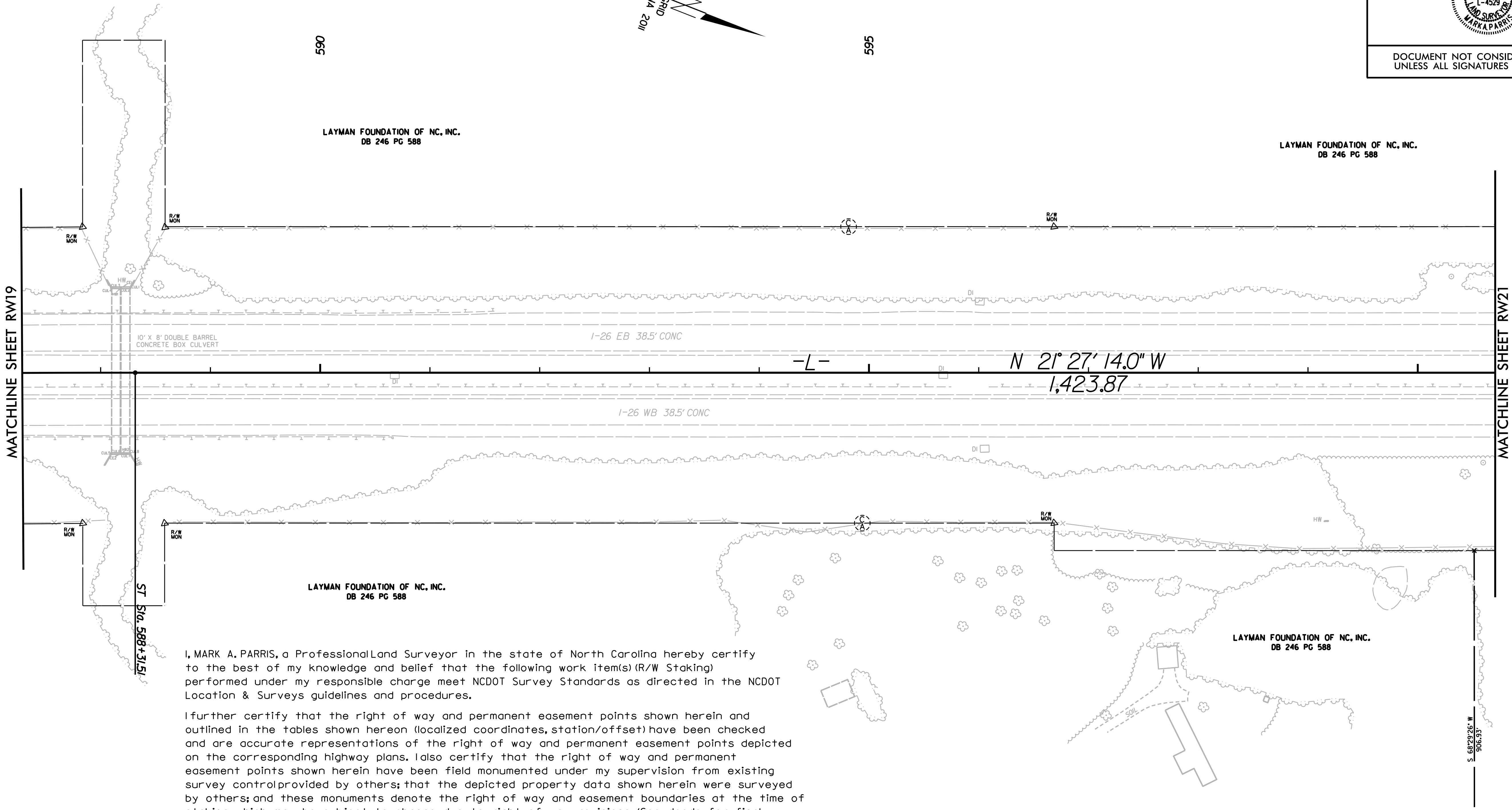
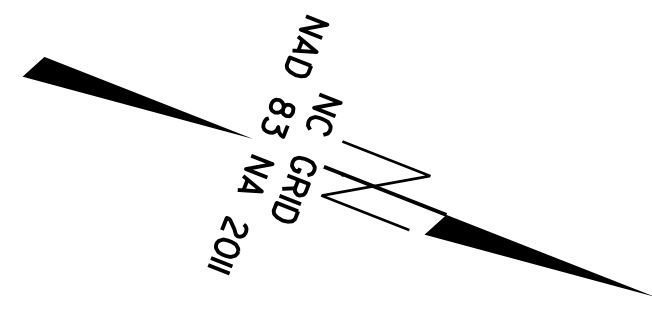
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6/2/19

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW20
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**SEE SHEET RW28 THRU RW29  
FOR CURVE DATA**



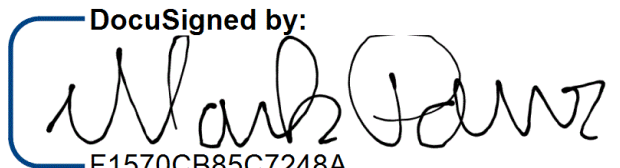
REVISIONS

6/2/19 10:09 AM V:\Projects\1912-02 I-4400BB RW Staking\RW Sheets\14400BB\_1s\_RW20.dgn

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DocuSigned by:  
  
 F1570CB85C7248A...

Professional Land Surveyor L-4529 PLS # Seal

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Location and Surveys

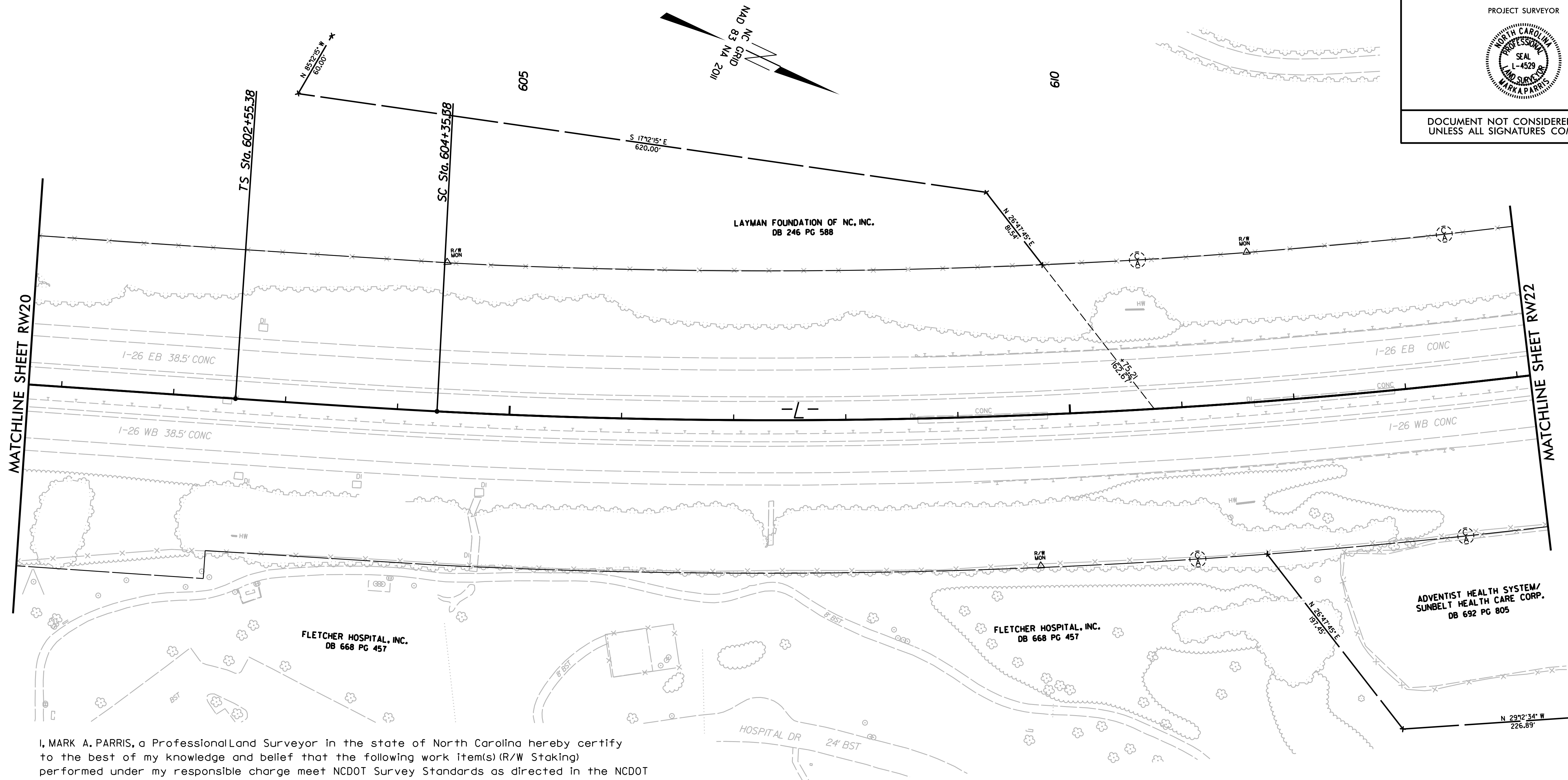


PROJECT SURVEYOR



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SEE SHEET RW28 THRU RW29 FOR CURVE DATA



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L-4529  
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REVISIONS

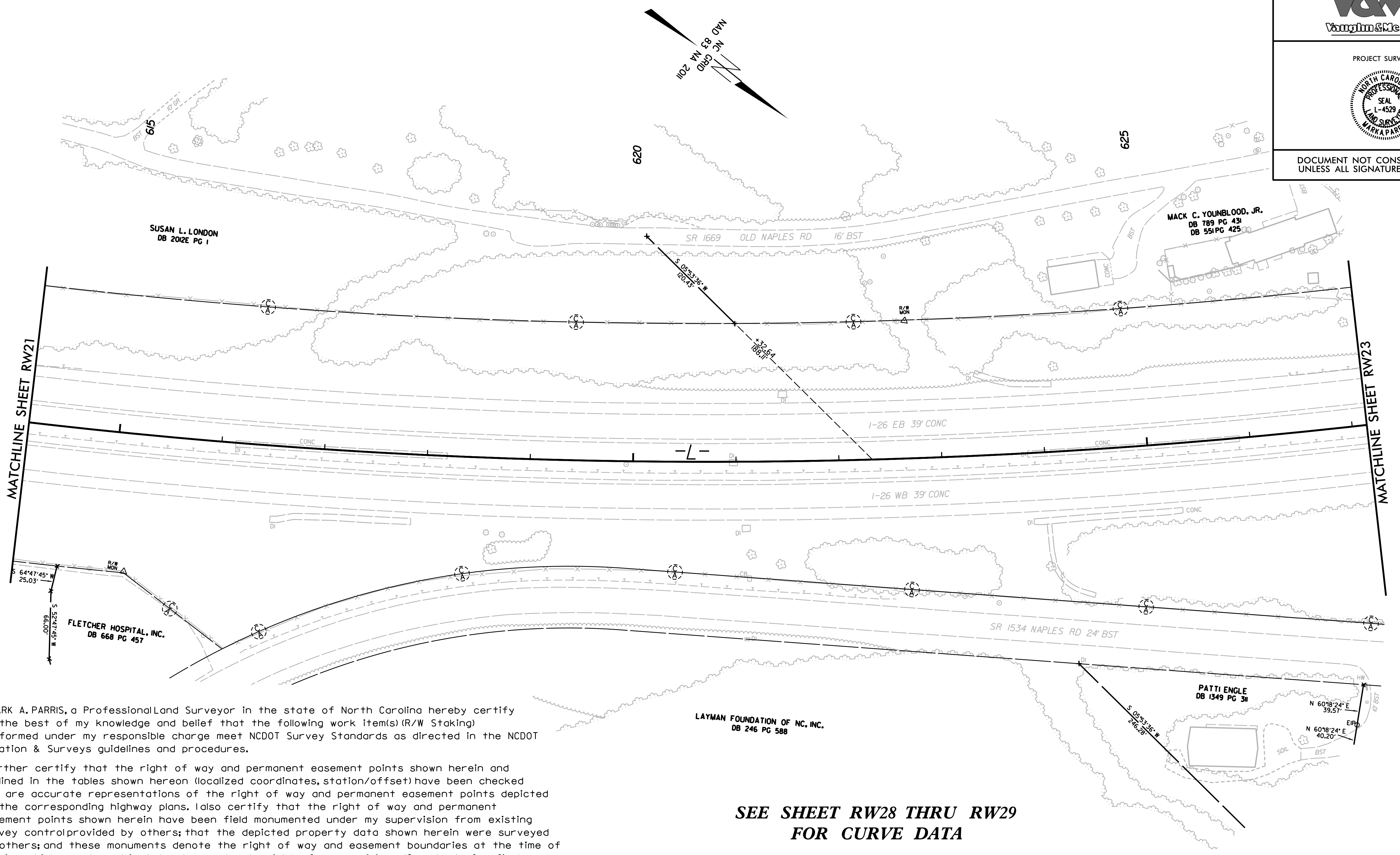
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 6/2/19 10:11 AM  
 Mark A. Parris



6/22/19

PROJECT REFERENCE NO. I-4400BB	SHEET NO. RW22
<b>Location and Surveys</b>	
	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



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DocuSigned by:  
  
 F1570CB85C7248A...  
 Professional Land Surveyor

L-4529  
 PLS #  
 Seal

**SEE SHEET RW28 THRU RW29 FOR CURVE DATA**

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05-JUN-2019 10:27 AM... I:\Projects\2019\31912-02\_I-4400BB\_RW\_Staking\RW\_Sheets\14400BB\_1s\_RW22.dgn



6/2/19

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

Seal

BRENDA J. PARSONS, TRUSTEE  
DB 1448 PG 370

LEISHI  
DB 1692 PG 251  
635

ASHEVILLE SOUTH  
SE STORAGE VI, LLC  
DB 3156 PG 457

PROJECT REFERENCE NO.	SHEET NO.
I-4400BB	RW23

Location and Surveys



PROJECT SURVEYOR

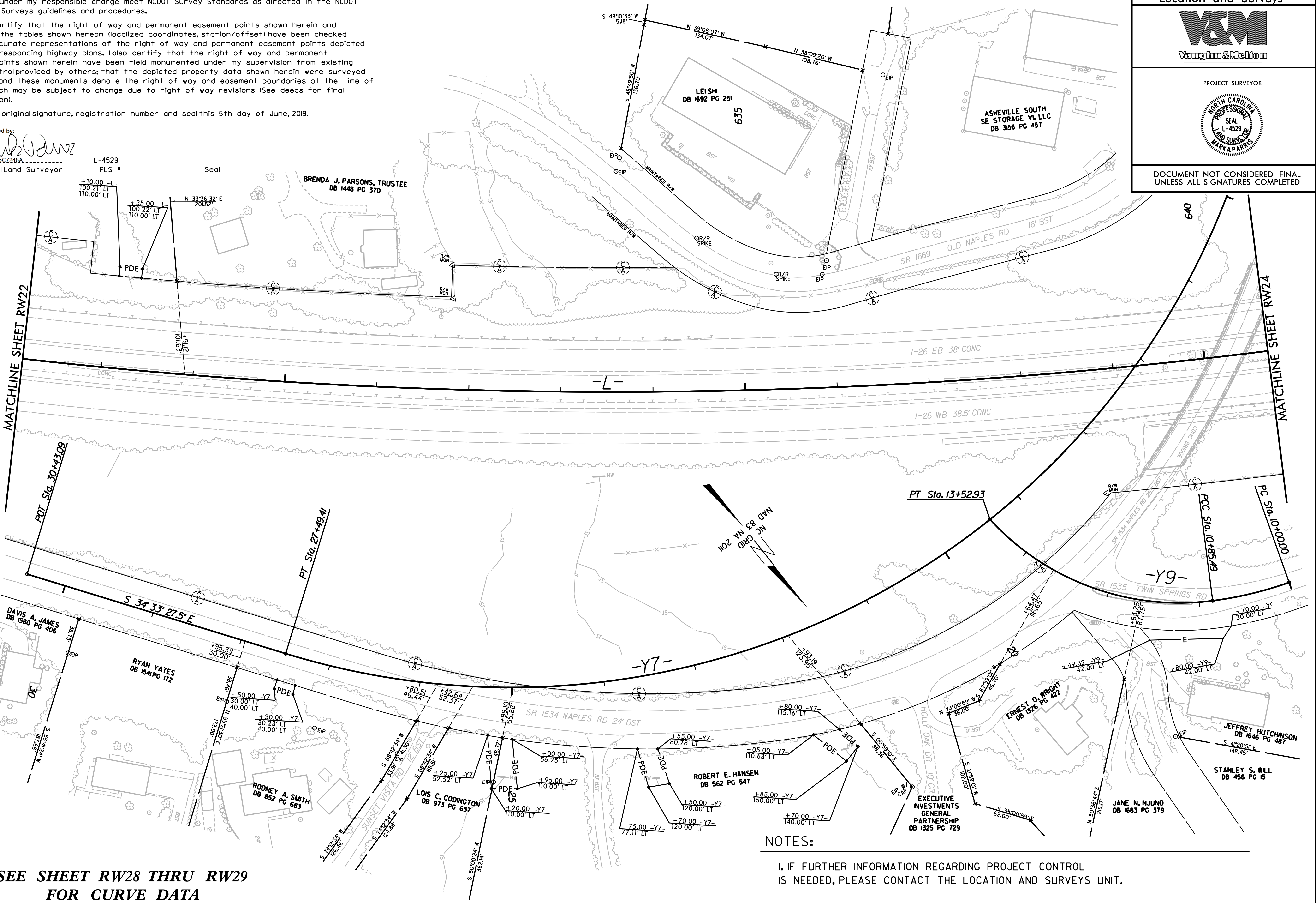


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

MATCHLINE SHEET RW22

MATCHLINE SHEET RW24



SEE SHEET RW28 THRU RW29  
FOR CURVE DATA

NOTES:

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

05 JUN 2019 10:25  
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