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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5987A	RW01	68

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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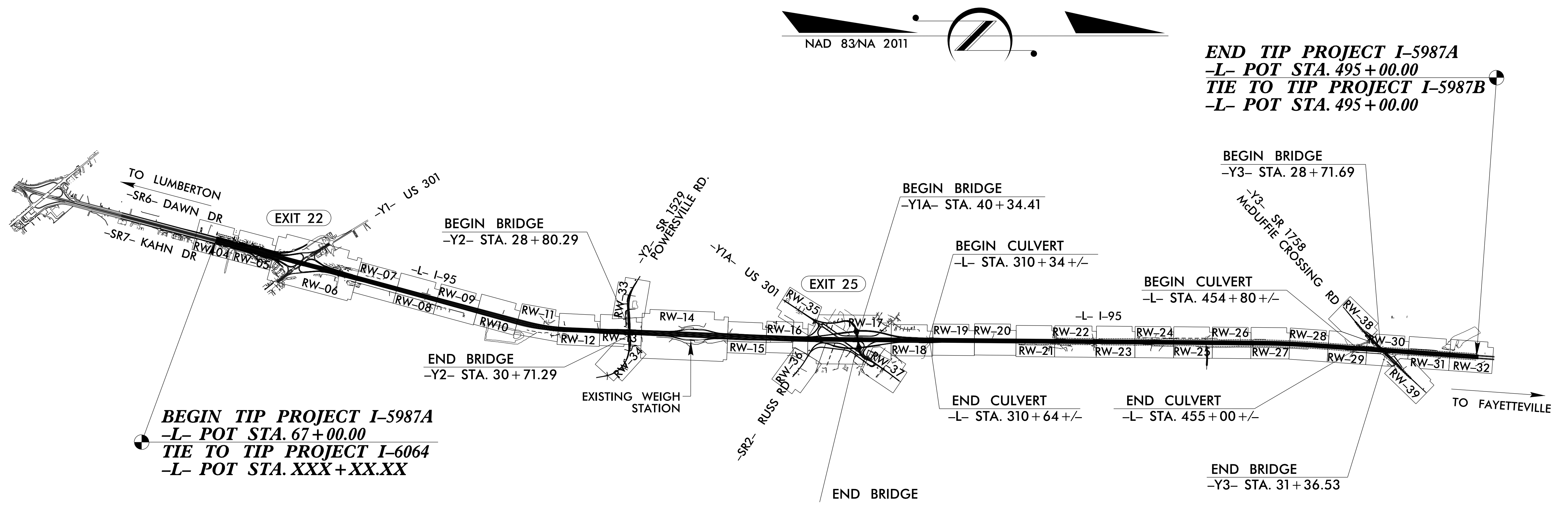
SURVEY CONTROL, EXISTING CENTERLINES,  
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

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## ROBESON COUNTY

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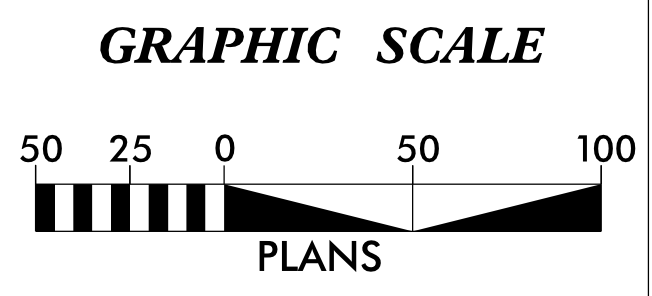
**TIP PROJECT: I-5987A**



**BEGIN TIP PROJECT I-5987A**  
-L- POT STA. 67+00.00  
**TIE TO TIP PROJECT I-6064**  
-L- POT STA. XXX+XX.XX

**END TIP PROJECT I-5987A**  
-L- POT STA. 495+00.00  
**TIE TO TIP PROJECT I-5987B**  
-L- POT STA. 495+00.00

22-FEB-2022 05:56 C:\projects\ncdot\I5987A\ROW\from dot\revised\few sheets revised for chad on 2-22-2022\Proj\I5987A\_Is\_rw01.dgn George Hart AT GEORGEHART-GEC



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "P-208" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF  
NORTHING: 400,482.3114(ft) EASTING: 2,009,472.3791(ft)  
ELEVATION: 165.80(ft)  
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99990771  
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "P-208" TO -L- STATION 67+00.00 IS  
S 09-57'27.8" W 69,531.16(ft)  
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88

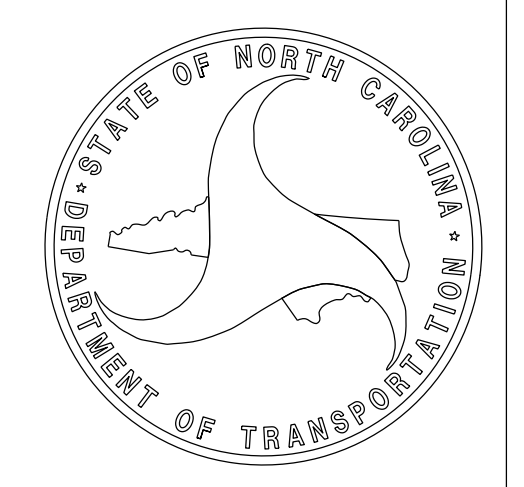
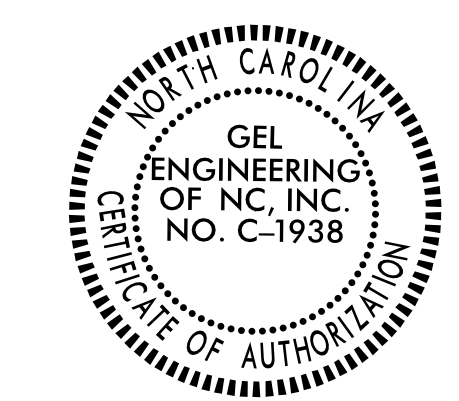
Prepared in the Office of:

**GEL SOLUTIONS**

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
05/28/2021

**LETTING DATE:**  
08/16/2022




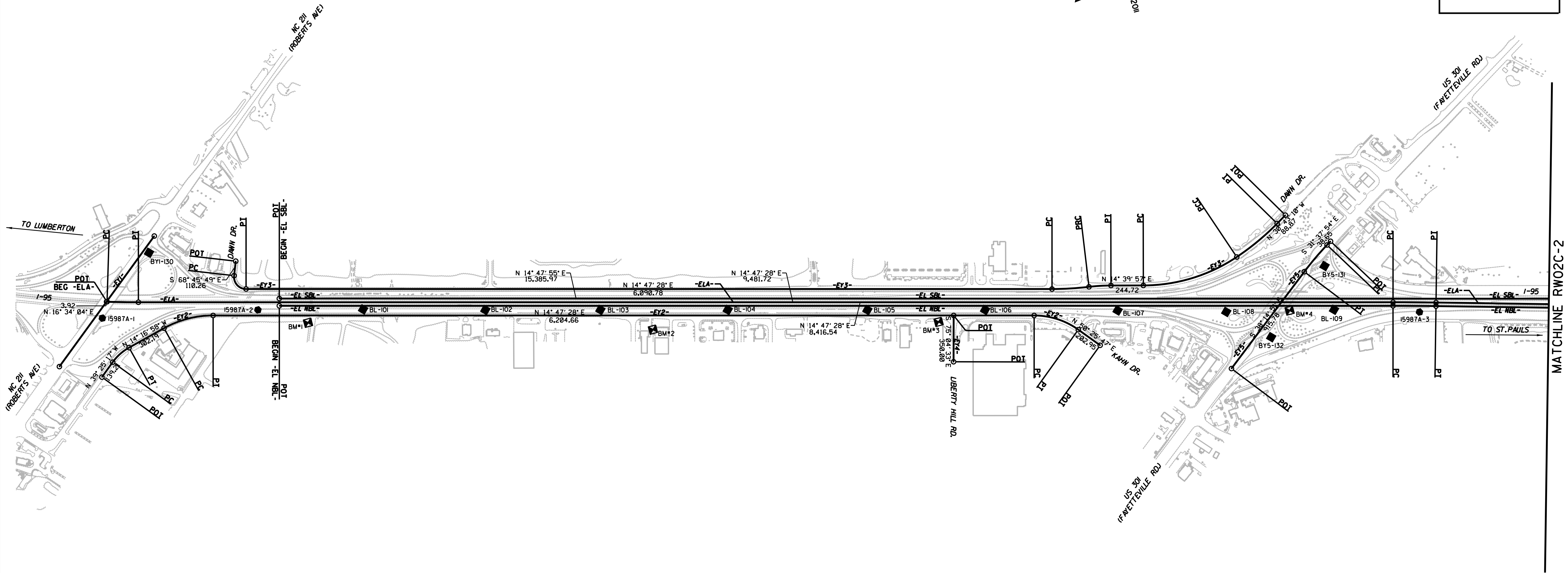
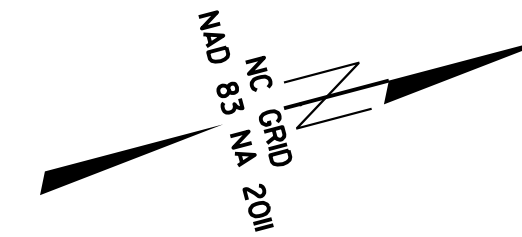
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6/2/09

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-1
Location and Surveys	
 <b>CALYX</b> ENGINEERS + CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	



REVISIONS

SEE SHEETS RW02C-13 THRU RW02C-22 FOR FURTHER ALIGNMENT DETAILS


### NOTES:

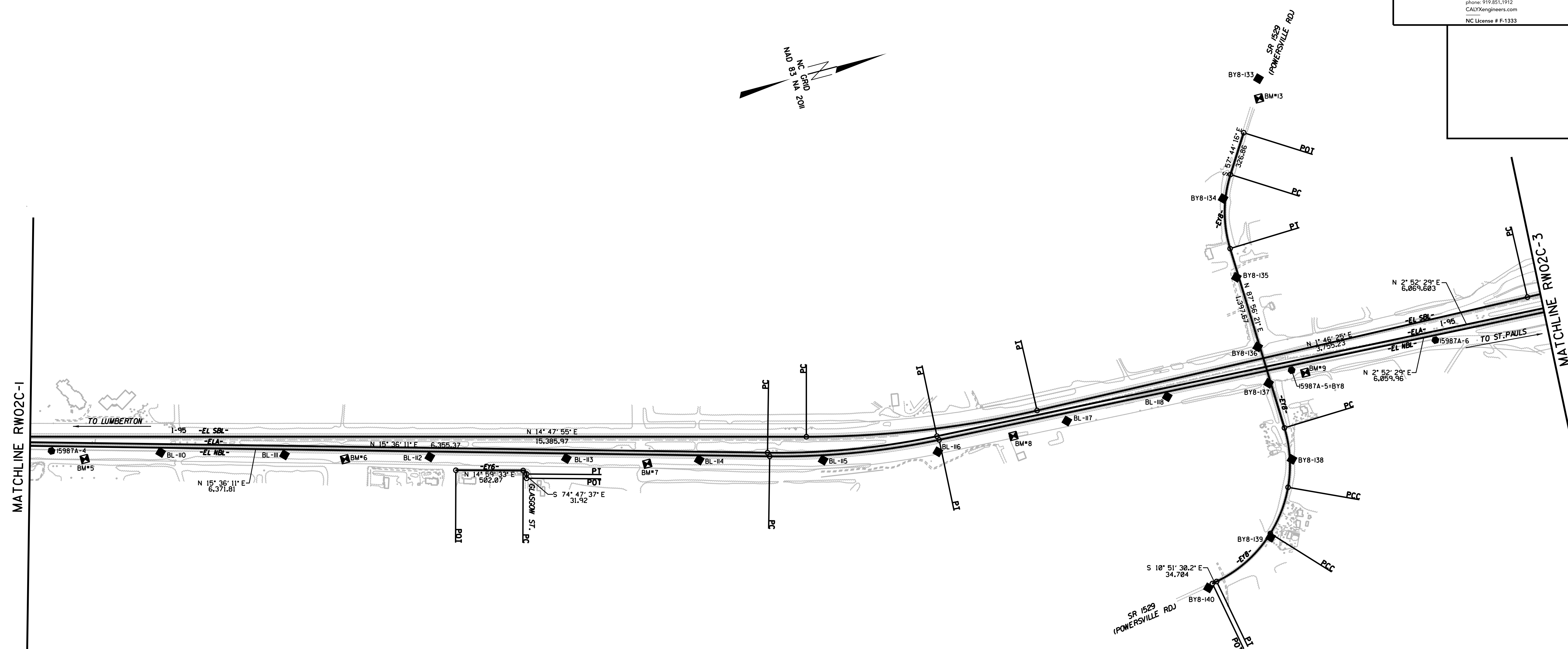
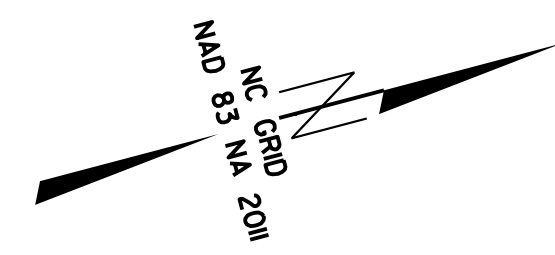
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28-AUG-2019 15:20  
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 essmith

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-2
Location and Surveys	
 <b>CALYX</b> ENGINEERS & CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	




### NOTES:

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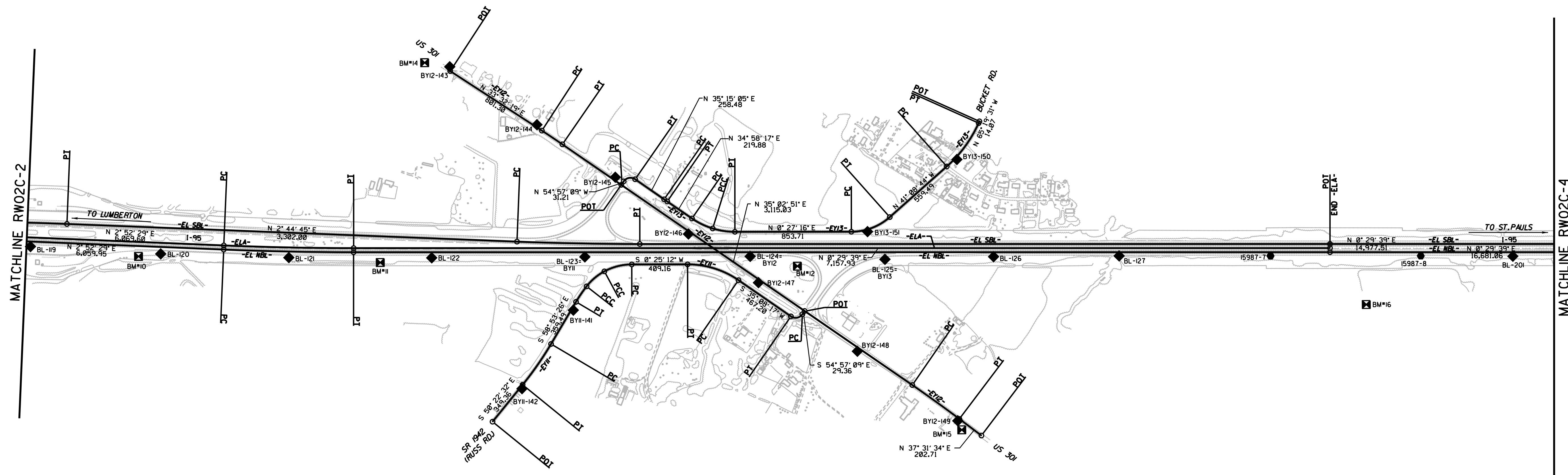
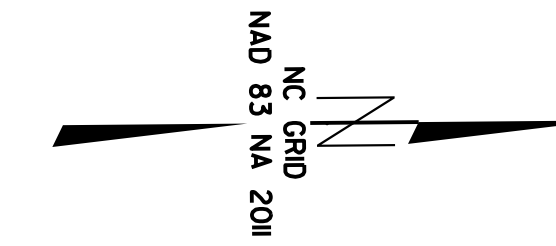
REVISIONS

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essmith

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-3
Location and Surveys	
 <b>CALYX</b> <small>ENGINEERS &amp; CONSULTANTS</small>	
<small>6750 TRYON ROAD        CARY, NC 27518        phone: 919.851.1912        CALYXengineers.com        NC License # F-1333</small>	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEETS RW02C-13 THRU  
RW02C-22 FOR FURTHER  
ALIGNMENT DETAILS

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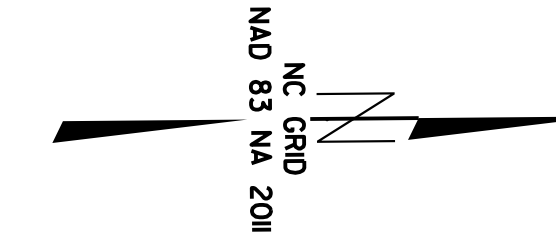
REVISIONS

6/2/09

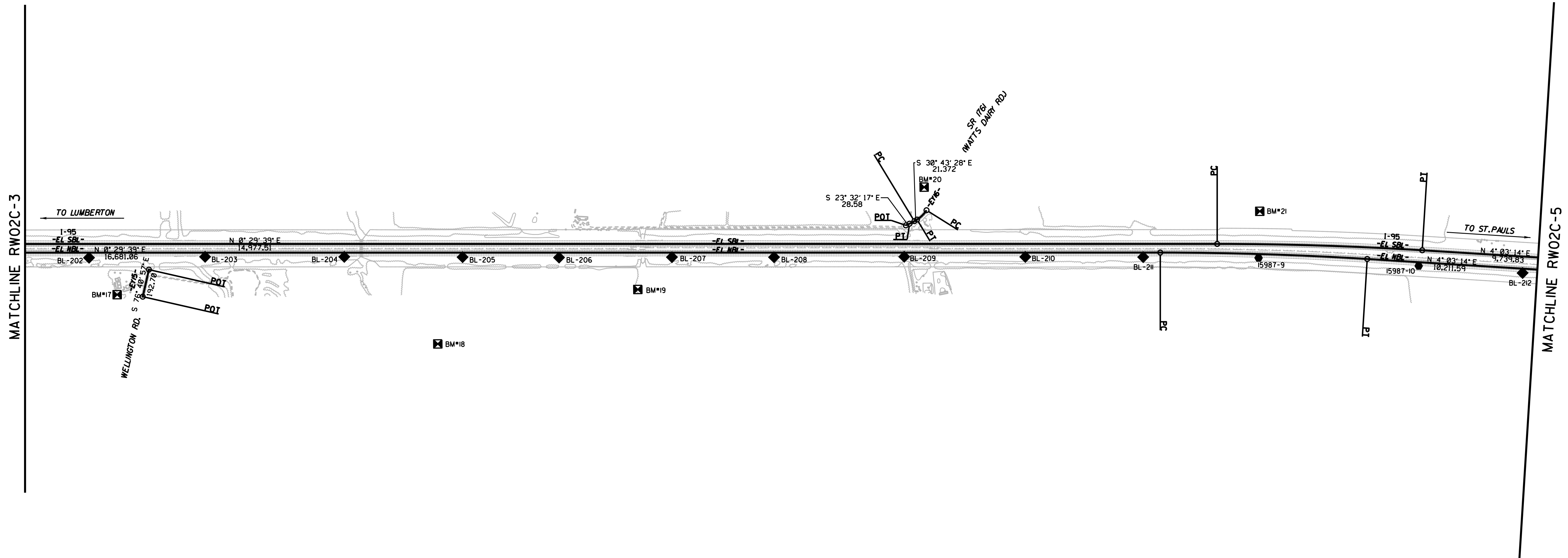
# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-4
Location and Surveys	
 <b>CALYX</b> <small>ENGINEERS &amp; CONSULTANTS</small>	
<small>6750 TRYON ROAD        CARY, NC 27518        phone: 919.851.1912        CALYXengineers.com        NC License # F-1333</small>	



REVISIONS



SEE SHEETS RW02C-13 THRU RW02C-22 FOR FURTHER ALIGNMENT DETAILS


### NOTES:

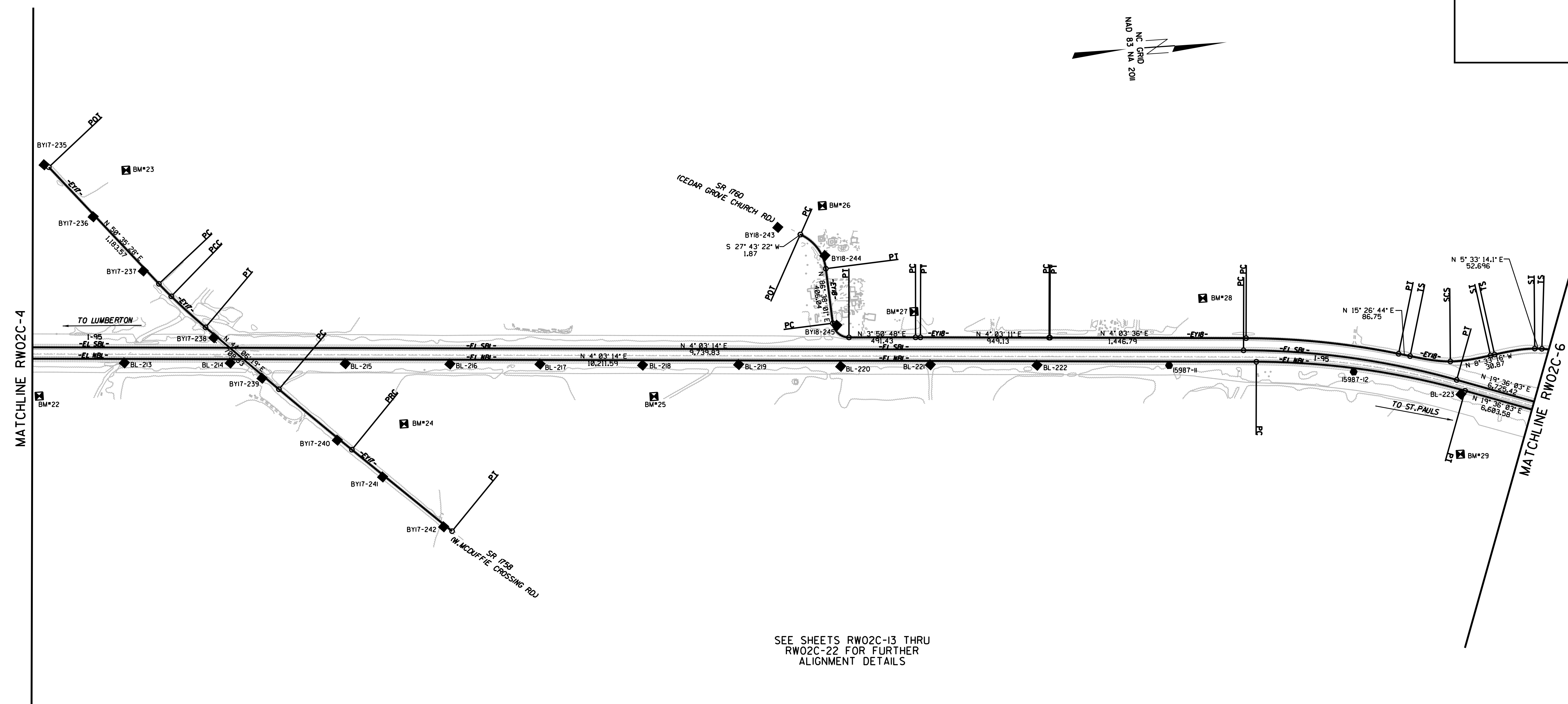
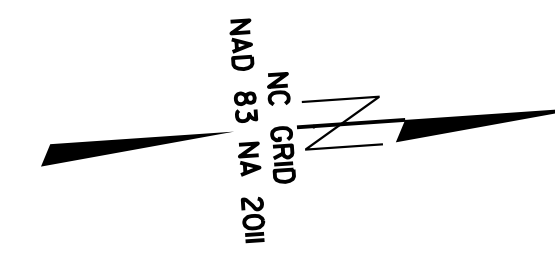
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essmith AT ESSMITH-7-1217

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-5
Location and Surveys	
 <b>CALYX</b> ENGINEERS & CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	




SEE SHEETS RW02C-13 THRU  
RW02C-22 FOR FURTHER  
ALIGNMENT DETAILS

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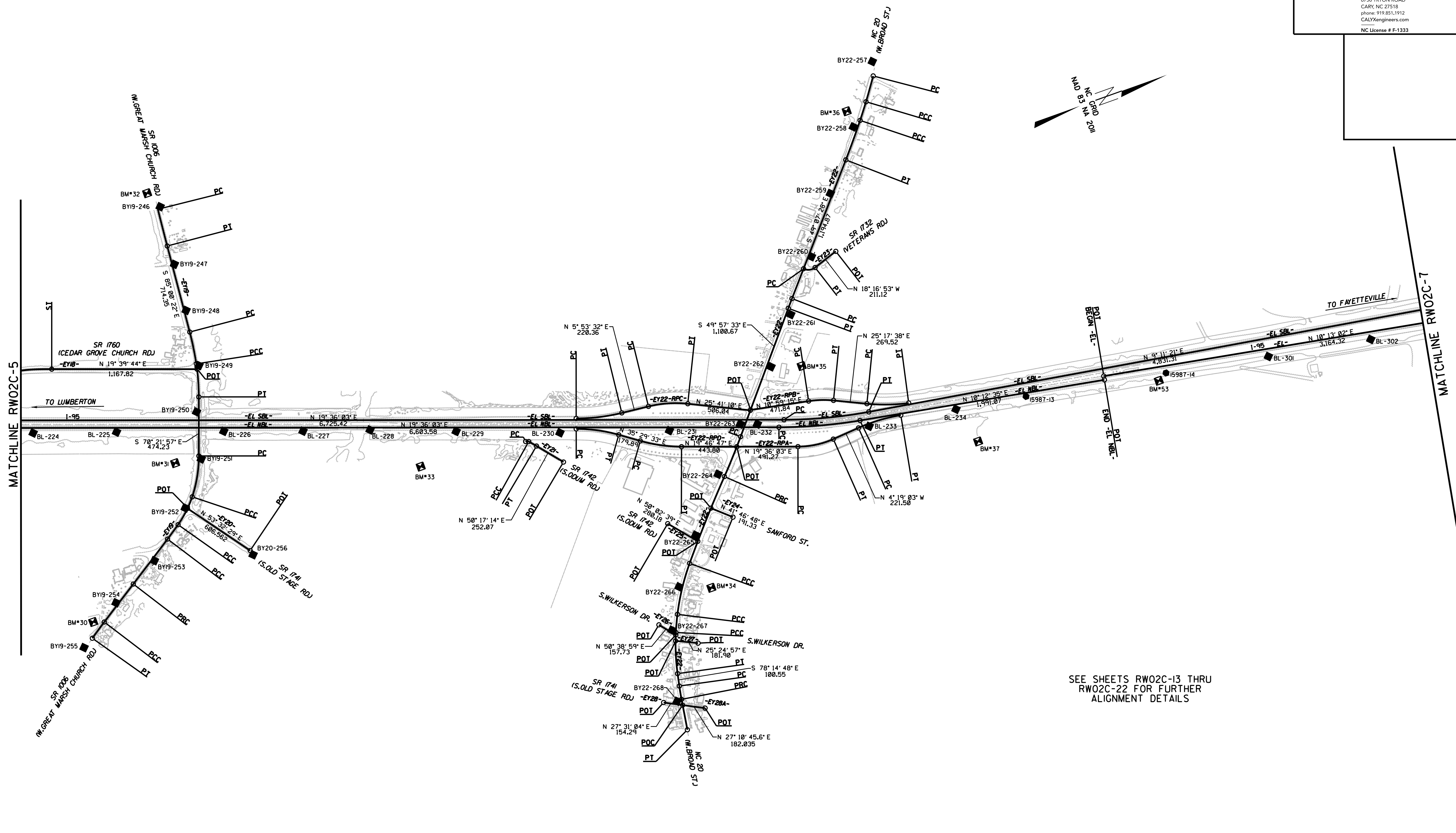
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essmith

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-6
Location and Surveys	
 <small>ENGINEERS &amp; CONSULTANTS</small>	
<small>6750 TRYON ROAD        CARY, NC 27518        phone: 919.851.1912        CALYXengineers.com        NC License # F-1333</small>	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEETS RW02C-13 THRU RW02C-22 FOR FURTHER ALIGNMENT DETAILS


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REVISIONS

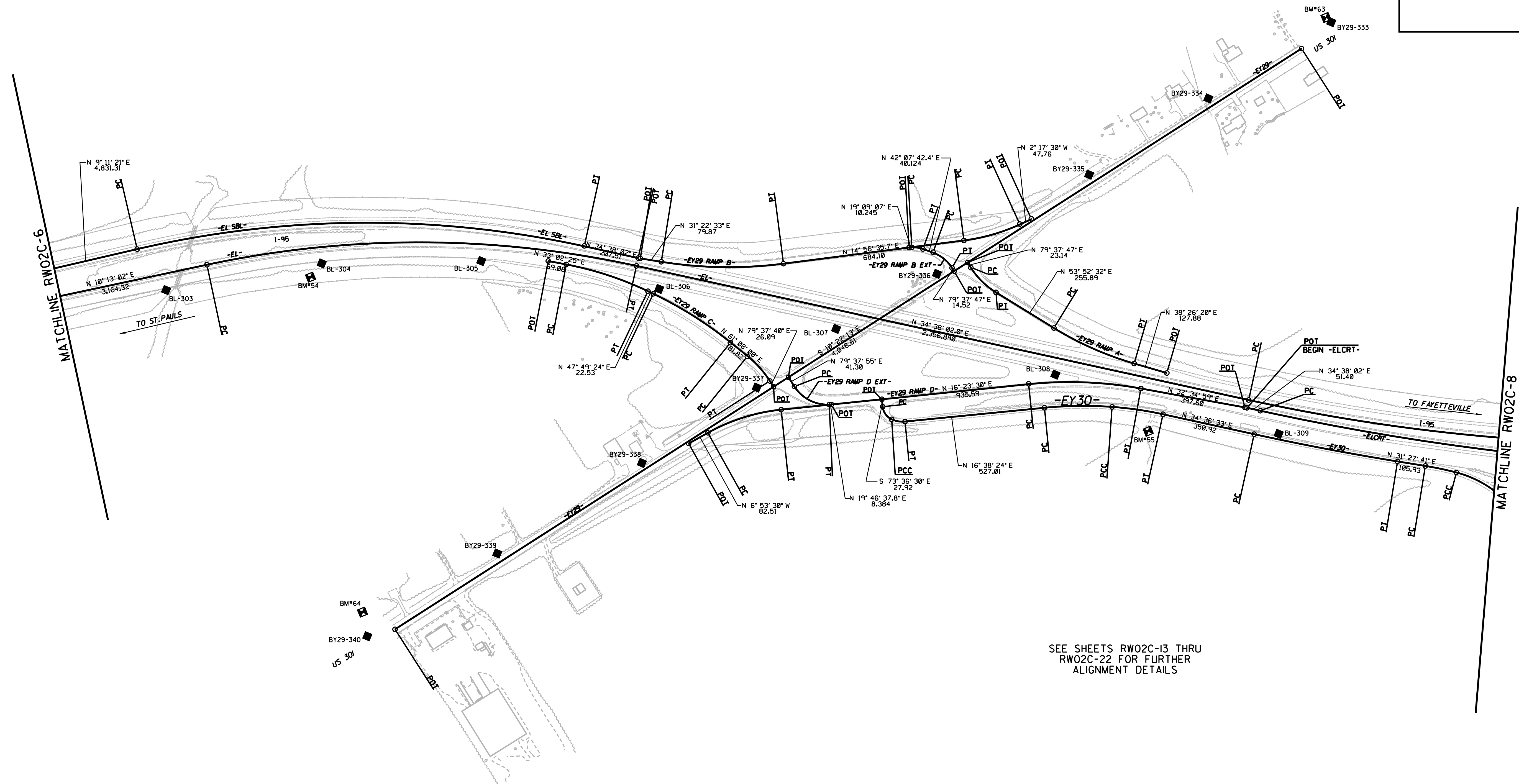
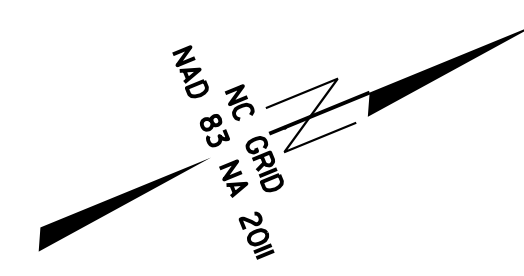
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PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-7
Location and Surveys	
 <b>CALYX</b> ENGINEERS & CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS

MATCHLINE RW02C-6

MATCHLINE RW02C-8

SEE SHEETS RW02C-13 THRU  
RW02C-22 FOR FURTHER  
ALIGNMENT DETAILS


**NOTES:**

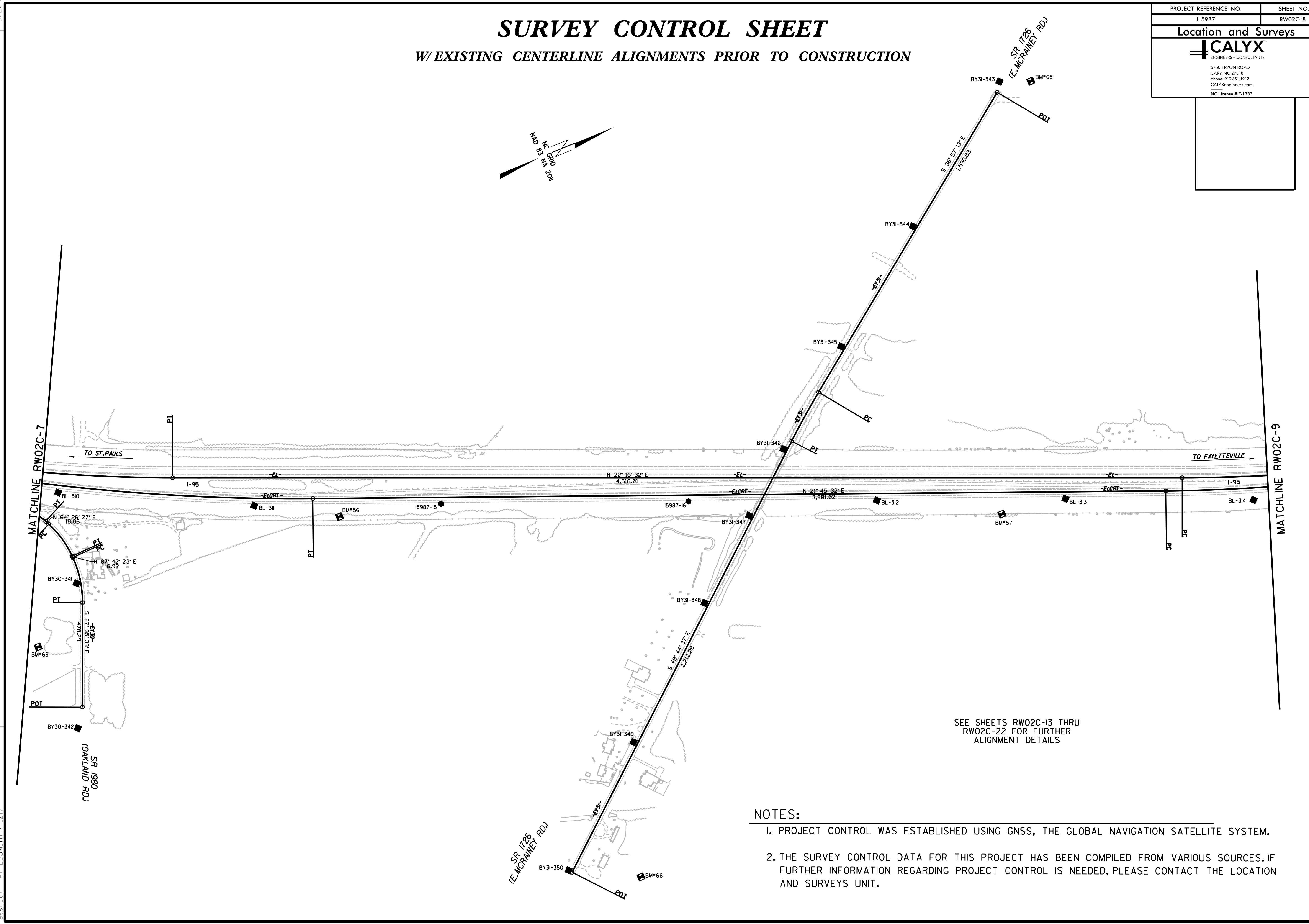
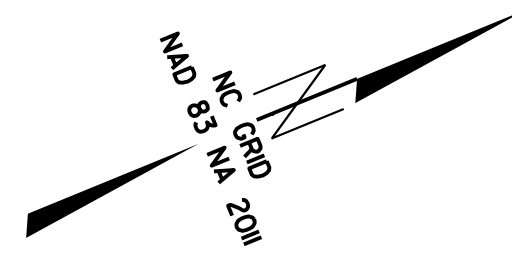
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6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-8
Location and Surveys	
 <b>CALYX</b> ENGINEERS + CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	



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SEE SHEETS RW02C-13 THRU  
 RW02C-22 FOR FURTHER  
 ALIGNMENT DETAILS


### NOTES:

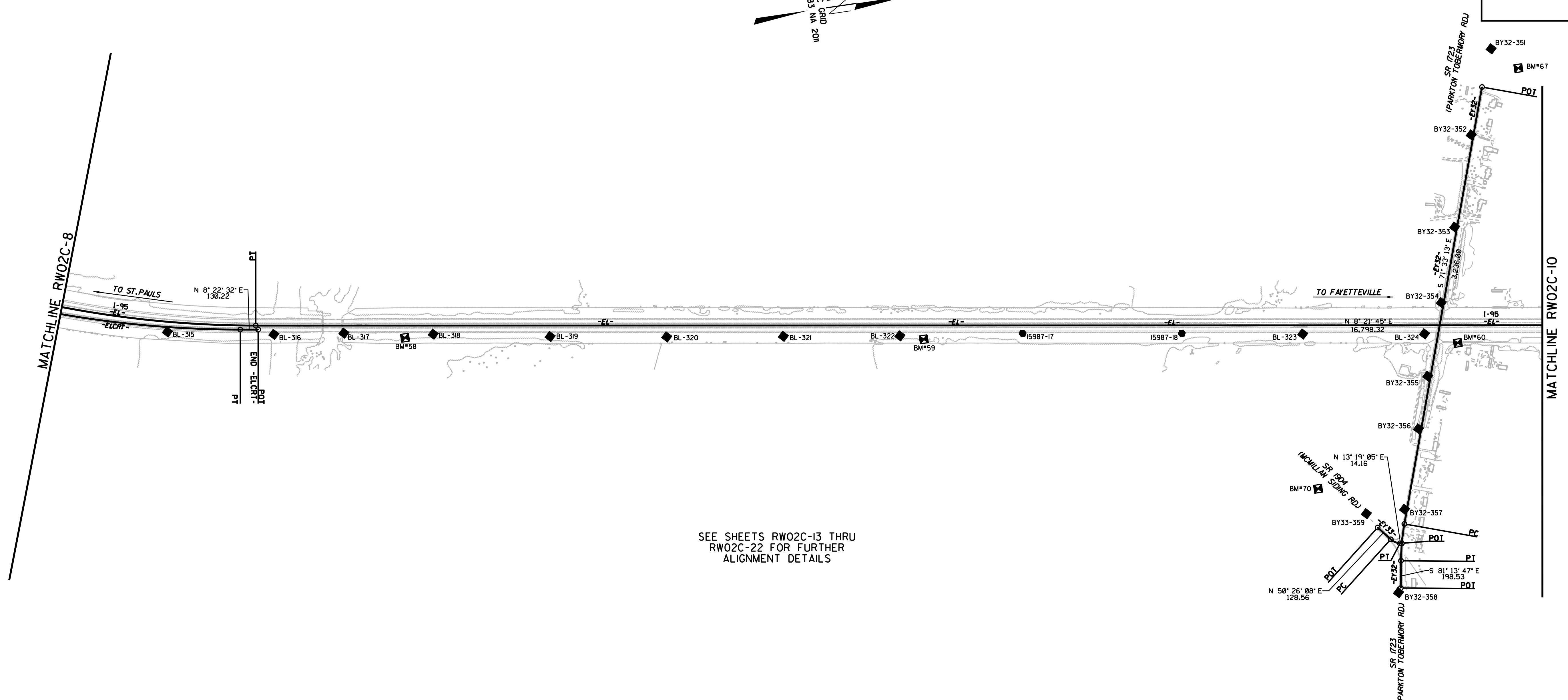
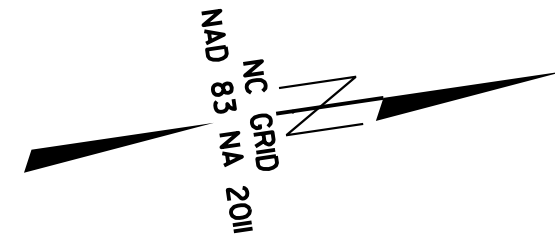
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6/2/09

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-9
Location and Surveys	
 <b>CALYX</b> ENGINEERS & CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	



SEE SHEETS RW02C-13 THRU RW02C-22 FOR FURTHER ALIGNMENT DETAILS

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REVISIONS

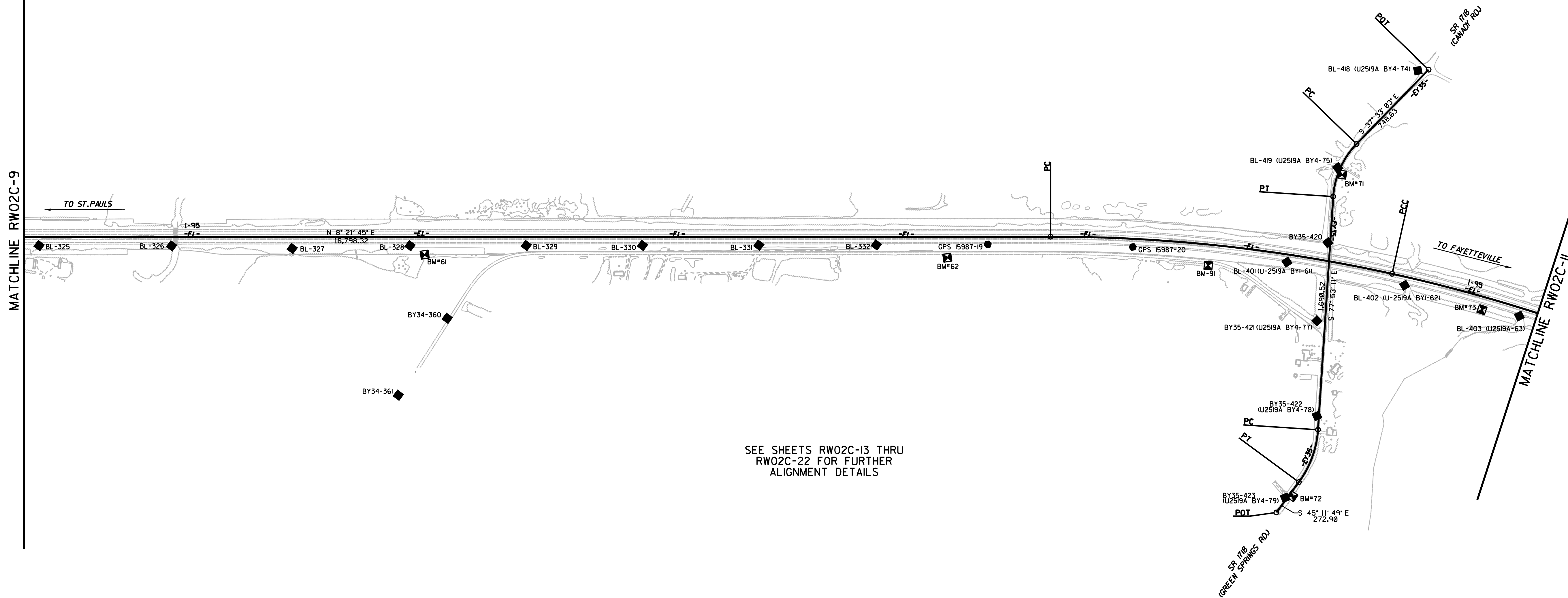
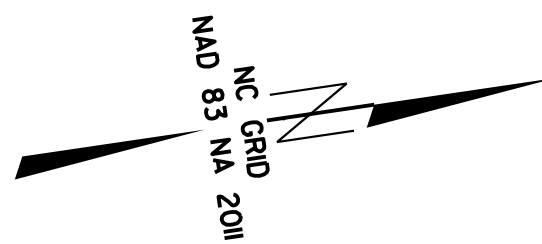
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# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-10
Location and Surveys	
 <b>CALYX</b> ENGINEERS + CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	




SEE SHEETS RW02C-13 THRU RW02C-22 FOR FURTHER ALIGNMENT DETAILS

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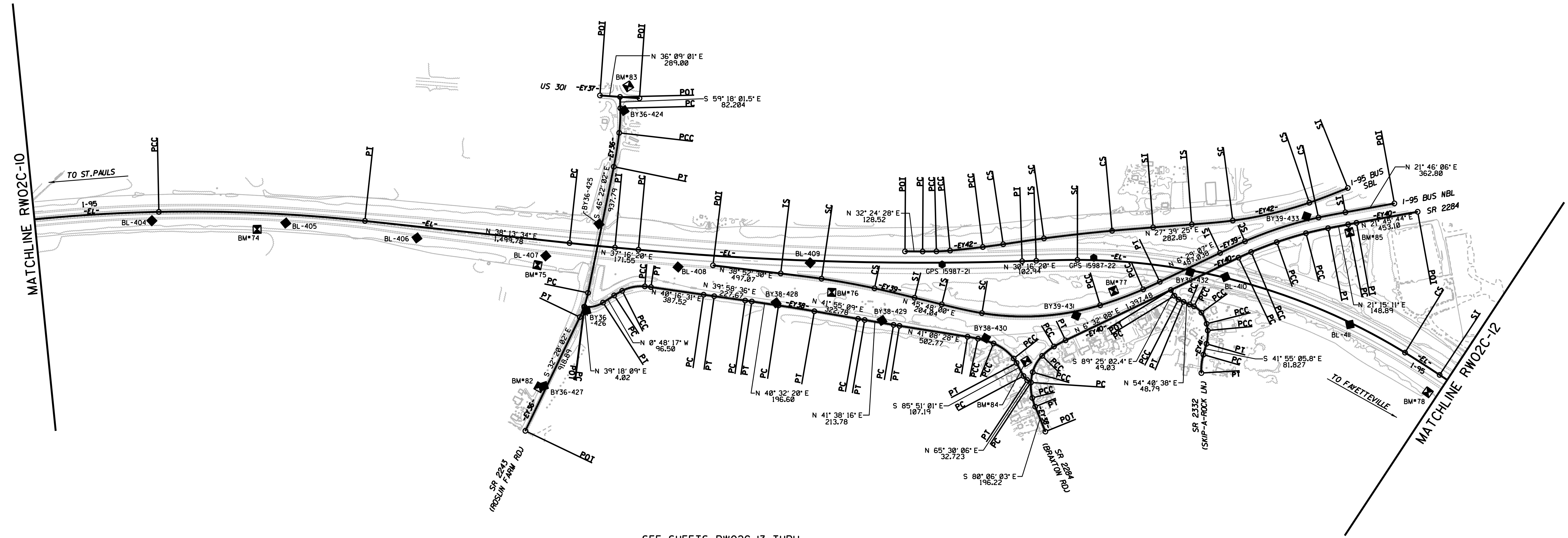
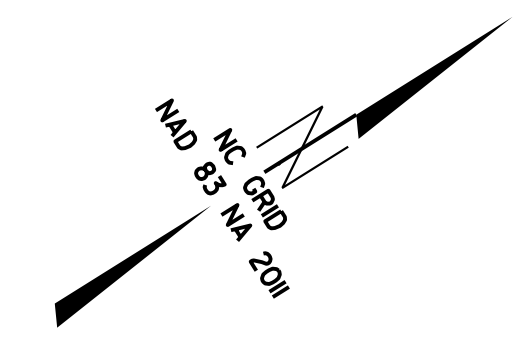
REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-11
Location and Surveys	
 <b>CALYX</b> <small>ENGINEERS • CONSULTANTS</small>	
<small>6750 TRYON ROAD        CARY, NC 27518        phone: 919.851.9112        CALYXengineers.com        NC License # F-1333</small>	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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ALIGNMENT DETAILS

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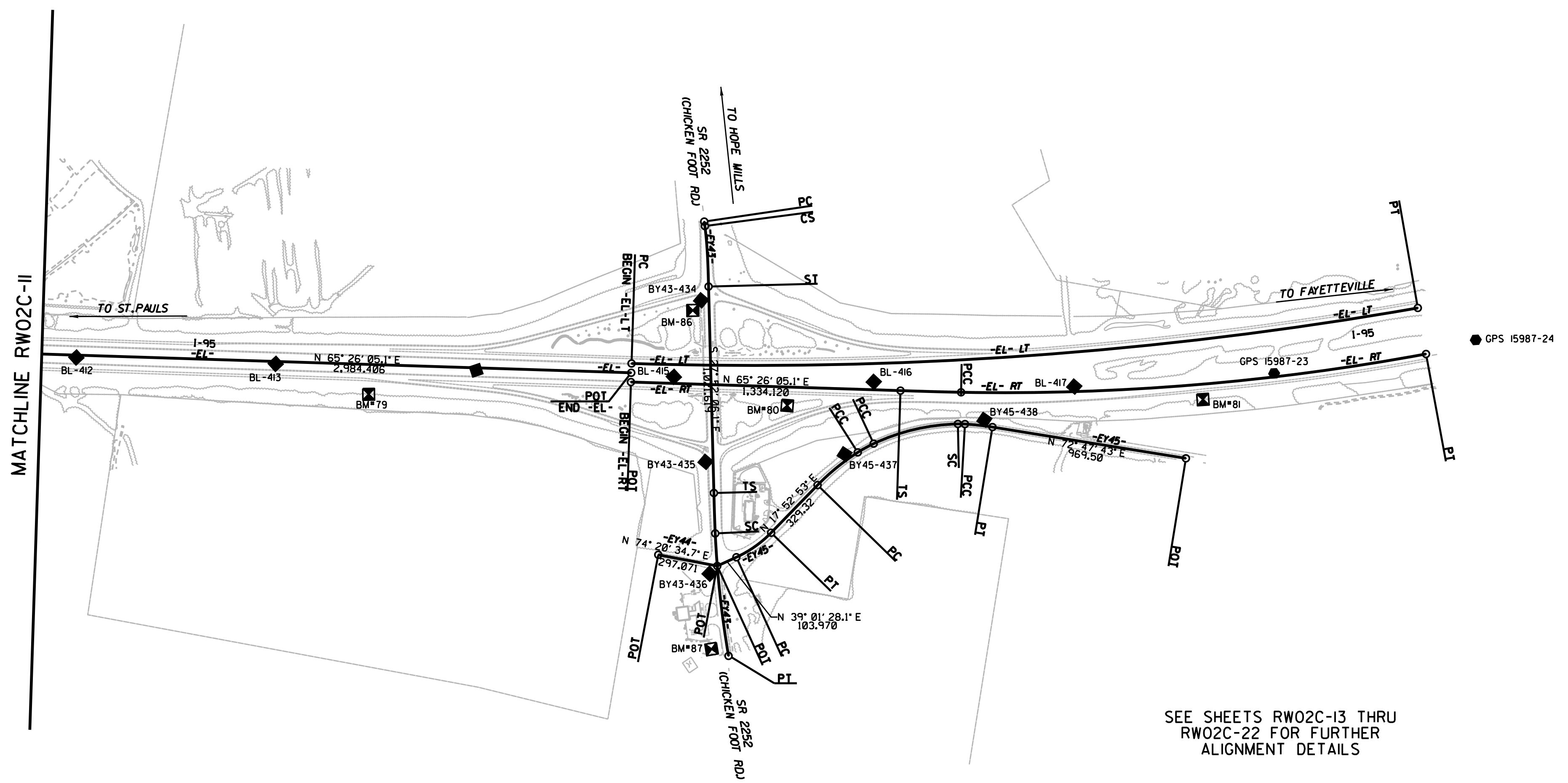
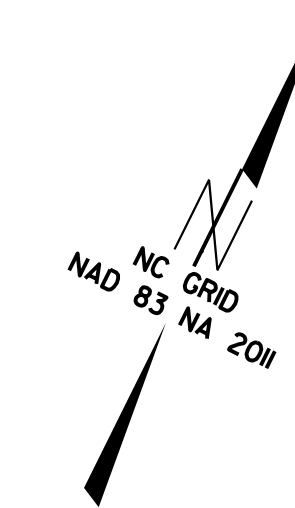
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essmith

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. I-5987	SHEET NO. RW02C-12
Location and Surveys	
 <b>CALYX</b> ENGINEERS • CONSULTANTS 6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	



SEE SHEETS RW02C-13 THRU  
RW02C-22 FOR FURTHER  
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# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-14
<b>Location and Surveys</b>	
	
<small>6750 TRYON ROAD CARY, NC 27518 phone: 919.851.9112 CALYXengineers.com NC License # F-1333</small>	

BY22	POINT	DESC.	NORTH	EAST	ELEVATION
257	BY22-257		388121.3520	2001725.0390	165.44
258	BY22-258		387800.6500	2002167.6880	165.33
259	BY22-259		387447.1670	2002609.5000	169.62
260	BY22-260		387133.4950	2003036.4200	167.36
261	BY22-261		386820.8810	2003418.3010	162.80
262	BY22-262		386530.0010	2003760.1870	163.46
263	BY22-263		386142.6680	2004110.4440	163.93
E00BY22	EO NOT SET		386134.4427	2004119.1080	UNKNOWN
264	BY22-264		385839.4230	2004429.8620	166.63
265	BY22-265		385504.6650	2004830.0130	168.49
266	BY22-266		385239.6960	2005175.8100	167.59
267	BY22-267		385069.1780	2005484.8840	162.25
268	BY22-268		384916.0450	2006036.1810	162.78

BY36	POINT	DESC.	NORTH	EAST	ELEVATION
424	BY36-424		427027.1415	2015322.5329	177.24
425	BY36-425		426433.3988	2015925.9923	202.86
426	BY36-426		426020.8982	2016412.5485	198.62
427	BY36-427		425466.2560	2016713.2885	176.02
JKA407	BL-407		425981.2438	2015916.6466	178.76

BY38	POINT	DESC.	NORTH	EAST	ELEVATION
JKA408	BL-408		426755.2341	2016497.3931	180.28
428	BY38-428		427222.2071	2017097.3760	177.72
429	BY38-429		427808.0721	2017616.9519	178.95
430	BY38-430		428380.1450	2018126.8532	178.16

BY29	POINT	DESC.	NORTH	EAST	ELEVATION
333	BY29-333		396395.8740	2006049.5370	170.47
334	BY29-334		395859.1810	2006139.7840	166.47
335	BY29-335		395335.8750	2006235.2000	169.90
336	BY29-336		394664.8950	2006363.6230	189.93
WD600	BL-307		394235.4320	2006411.2820	173.27
337	BY29-337		393875.5720	2006502.4550	183.30
338	BY29-338		393368.3850	2006601.0220	170.19
339	BY29-339		392735.9440	2006709.7900	167.33
340	BY29-340		392165.7680	2006812.4850	165.56

BY39	POINT	DESC.	NORTH	EAST	ELEVATION
JKA430	BY38-430		428380.1450	2018126.8532	178.16
431	BY39-431		429026.8384	2018337.6208	182.53
432	BY39-432		429899.2022	2018510.0854	177.94
433	BY39-433		430833.2266	2018616.8997	181.82

BY30	POINT	DESC.	NORTH	EAST	ELEVATION
WD601	BL-310		396415.4790	2007845.5790	171.66
341	BY30-341		396336.0350	2008261.6770	170.99
342	BY30-342		396089.9660	2008877.1840	171.96

BY43	POINT	DESC.	NORTH	EAST	ELEVATION
434	BY43-434		432757.9449	2022974.8732	174.93
435	BY43-435		432051.9408	2023349.5673	177.35
436	BY43-436		431564.6550	2023613.5845	170.88

BY31	POINT	DESC.	NORTH	EAST	ELEVATION
343	BY31-343		401110.9710	2007738.0500	169.84
344	BY31-344		400493.5460	2008200.7980	166.66
345	BY31-345		399982.1570	2008584.7570	165.34
346	BY31-346		399559.9000	2008918.4880	186.19
WD602	15987-16		399067.1086	2008975.7270	167.12
347	BY31-347		399299.4910	2009141.0540	185.68
348	BY31-348		398959.2650	2009433.3500	167.87
349	BY31-349		398417.4820	2009899.3240	168.60
350	BY31-350		397920.6160	2010329.1600	168.70

BY45	POINT	DESC.	NORTH	EAST	ELEVATION
JKA436	BY43-436		431564.6550	2023613.5845	170.88
437	BY45-437		432391.3495	2023948.9188	166.92
438	BY45-438		432850.7420	2024493.1231	155.00

BY32	POINT	DESC.	NORTH	EAST	ELEVATION
351	BY32-351		412142.8950	2009523.6630	173.36
352	BY32-352		411907.8910	2010123.6940	173.35
353	BY32-353		411690.5470	2010770.7500	173.03
354	BY32-354		411513.7470	2011301.8880	188.18
WD603	BL-324		411359.4080	2011509.1670	170.28
355	BY32-355		411337.7070	2011818.0130	180.65
356	BY32-356		411215.3670	2012188.0750	168.22
357	BY32-357		411029.3200	2012754.1940	166.94
358	BY32-358		410896.9320	2013348.9160	165.99

BY33	POINT	DESC.	NORTH	EAST	ELEVATION
359	BY33-359		410749.0220	2012744.9590	167.39
WD604	BY32-357		411029.3200	2012754.1940	166.94

BY34	POINT	DESC.	NORTH	EAST	ELEVATION
361	BY34-361		414729.0370	2013099.7360	167.58
360	BY34-360		415160.0620	2012600.9480	169.65
WD605	BL-329		415802.0060	2012162.8700	174.11

BY35	POINT	DESC.	NORTH	EAST	ELEVATION
418	BY35-418	STAMPE	422361.8194	2011850.2085	171.28
419	BY35-419	STAMPE	421685.9367	2012460.3719	170.42
420	BY35-420		421537.4068	2012986.3019	187.50
421	BY35-421	STAMPE	421376.4284	2013534.6262	173.83
422	BY35-422	STAMPE	421276.6872	2014214.6524	168.74
423	BY35-423	STAMPE	420962.4929	2014767.4036	167.12

**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



# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-15
<b>Location and Surveys</b>	
	
<small>6750 TRYON ROAD CARY, NC 27518 phone: 919.851.9112 CALYXengineers.com NC License # F-1333</small>	

REVISIONS

.....  
 BM1 ELEVATION • 119.54  
 N 327713 E 1996478  
 BENCH NAIL SET IN BASE OF 18' OAK  
 .....  
 BM2 ELEVATION • 126.03  
 N 330220 E 1997194  
 BENCH NAIL SET IN BASE OF 18' BRADFORDPEAR  
 .....  
 BM3 ELEVATION • 129.50  
 N 332322 E 1997688  
 BENCH NAIL SET IN BASE OF 12' OAK  
 .....  
 BM4 ELEVATION • 128.58  
 N 334909 E 1998282  
 PK NAIL IN BST SOUTH OF CONC DITCH  
 .....  
 BM5 ELEVATION • 134.06  
 N 337177 E 1998961  
 BENCH NAIL SET IN BASE OF 24' OAK  
 .....  
 BM6 ELEVATION • 139.14  
 N 339055 E 1999458  
 BENCH NAIL SET IN BASE OF 36' PINE  
 .....  
 BM7 ELEVATION • 143.25  
 N 341227 E 2000067  
 BENCH NAIL SET IN BASE OF 24' PINE  
 .....  
 BM8 ELEVATION • 145.19  
 N 343921 E 2000564  
 BENCH NAIL SET IN BASE OF 36' PINE  
 .....  
 BM9 ELEVATION • 146.42  
 N 346147 E 2000663  
 BENCH NAIL SET IN BASE OF 18' SWEET GUM  
 .....  
 BM10 ELEVATION • 148.49  
 N 348905 E 2000799  
 BENCH NAIL SET IN BASE OF 24' PINE  
 .....  
 BM11 ELEVATION • 146.32  
 N 350577 E 2000859  
 BENCH NAIL SET IN BASE OF 18' SWEET GUM  
 .....  
 BM12 ELEVATION • 149.61  
 N 353635 E 2000912  
 BENCH NAIL SET IN BASE OF 18' PINE  
 .....  
 BM13 ELEVATION • 147.86  
 N 346336 E 1998596  
 BENCH NAIL SET IN BASE 15' PINE  
 .....  
 BM14 ELEVATION • 149.52  
 N 350915 E 1999396  
 BENCH NAIL SET IN BASE 15' PINE  
 .....  
 BM15 ELEVATION • 147.07  
 N 354830 E 2002124  
 BENCH NAIL SET IN BASE OF 28' SWEET GUM  
 .....  
 BM16 ELEVATION • 155.96  
 N 357803 E 2001230  
 RRS IN 12' PINE  
 .....  
 BM17 ELEVATION • 152.37  
 N 359820 E 2001156  
 RRS IN 24' PINE  
 .....  
 BM18 ELEVATION • 149.74  
 N 362043 E 2001517  
 RRS IN 14' OAK  
 .....

.....  
 BM19 ELEVATION • 153.20  
 N 363434 E 2001151  
 RRS IN 24' PINE  
 .....  
 BM20 ELEVATION • 161.36  
 N 365427 E 2000457  
 RRS IN 12' PINE  
 .....  
 BM21 ELEVATION • 164.09  
 N 367755 E 2000645  
 RRS IN 12' PINE  
 .....  
 BM22 ELEVATION • 162.95  
 N 369710 E 2001345  
 RRS IN 10' HICKORY  
 .....  
 BM23 ELEVATION • 167.58  
 N 370463 E 1999725  
 RRS IN 12' PINE  
 .....  
 BM24 ELEVATION • 167.54  
 N 372380 E 2001734  
 RRS IN 11' PINE  
 .....  
 BM25 ELEVATION • 165.11  
 N 374234 E 2001658  
 RRS IN 20' PINE  
 .....  
 BM26 ELEVATION • 169.71  
 N 375569 E 2000337  
 RRS IN 24' PINE  
 .....  
 BM27 ELEVATION • 167.06  
 N 376191 E 2001163  
 RRS IN 24' PINE  
 .....  
 BM28 ELEVATION • 166.56  
 N 378322 E 2001210  
 RRS IN 36' OAK  
 .....  
 BM29 ELEVATION • 166.91  
 N 380140 E 2002489  
 RRS IN 20' PINE  
 .....  
 BM30 ELEVATION • 159.46  
 N 380712 E 2003858  
 RRS IN 12' OAK  
 .....  
 BM31 ELEVATION • 155.00  
 N 381761 E 2002878  
 RRS IN 12' OAK  
 .....  
 BM32 ELEVATION • 161.03  
 N 382278 E 2000761  
 RRS IN 24' PINE  
 .....  
 BM33 ELEVATION • 149.44  
 N 383610 E 2003568  
 RRS IN 14' PINE  
 .....  
 BM34 ELEVATION • 167.91  
 N 385482 E 2005271  
 RRS IN 12' PINE  
 .....  
 BM35 ELEVATION • 164.21  
 N 386765 E 2003837  
 RRS IN 24' PINE  
 .....  
 BM36 ELEVATION • 164.13  
 N 387793 E 2002032  
 RRS IN 18' PINE  
 .....

.....  
 BM37 ELEVATION • 162.39  
 N 387896 E 2004885  
 RRS IN 24' PINE  
 .....  
 BM53 ELEVATION • 165.96  
 N 389428 E 2004914  
 TIE SPIKE SET IN 20' OAK  
 .....  
 BM54 ELEVATION • 170.46  
 N 392480 E 2005482  
 TIE SPIKE SET IN 19' OAK  
 .....  
 BM55 ELEVATION • 173.31  
 N 395176 E 2007212  
 TIE SPIKE SET IN 20' OAK  
 .....  
 BM56 ELEVATION • 167.60  
 N 397564 E 2008436  
 TIE SPIKE SET IN 15' GUM  
 .....  
 BM57 ELEVATION • 171.31  
 N 400371 E 2009573  
 TIE SPIKE SET IN 22' PINE  
 .....  
 BM58 ELEVATION • 146.16  
 N 404004 E 2010455  
 TIE SPIKE SET IN 20' OAK  
 .....  
 BM59 ELEVATION • 174.25  
 N 407743 E 2011017  
 TIE SPIKE SET IN 14' OAK  
 .....  
 BM60 ELEVATION • 174.61  
 N 411590 E 2011611  
 TIE SPIKE SET IN 20' OAK  
 .....  
 BM61 ELEVATION • 175.23  
 N 415066 E 2012122  
 TIE SPIKE SET IN 19' GUM  
 .....  
 BM62 ELEVATION • 170.92  
 N 418800 E 2012694  
 TIE SPIKE SET IN 20' GUM  
 .....  
 BM63 ELEVATION • 174.93  
 N 396384 E 2006026  
 TIE SPIKE SET IN 35' OAK  
 .....  
 BM64 ELEVATION • 167.11  
 N 392184 E 2006722  
 TIE SPIKE SET IN 18' BIRCH  
 .....  
 BM65 ELEVATION • 171.21  
 N 401245 E 2007791  
 TIE SPIKE SET IN 36' PECAN  
 .....  
 BM66 ELEVATION • 171.01  
 N 398216 E 2010483  
 TIE SPIKE SET IN 16' PINE  
 .....  
 BM67 ELEVATION • 175.43  
 N 412319 E 2009693  
 TIE SPIKE SET IN 40' PECAN  
 .....  
 BM68 ELEVATION • 165.26  
 N 410879 E 2014020  
 TIE SPIKE SET IN 30' BIRCH  
 .....  
 BM69 ELEVATION • 176.70  
 N 396064 E 2008465  
 TIE SPIKE SET IN 22' PINE  
 .....

.....  
 BM70 ELEVATION • 167.98  
 N 410428 E 2012514  
 TIE SPIKE SET IN 17' OAK  
 .....  
 BM71 ELEVATION • 171.34  
 N 421712 E 2012515  
 BM71 FILED 'X' IN BONNET BOLT ON FIREHYDRANT  
 .....  
 BM72 ELEVATION • 167.73  
 N 421016 E 2014764  
 BM72 RR SPIKE IN BASE OF 14' GUM  
 .....  
 BM73 ELEVATION • 164.89  
 N 422568 E 2013628  
 BM73 RR SPIKE IN BASE OF 20' PINE  
 .....  
 BM74 ELEVATION • 175.09  
 N 424301 E 2014637  
 BM74 RR SPIKE IN BASE OF 24' PINE  
 .....  
 BM75 ELEVATION • 176.21  
 N 425896 E 2015942  
 BM75 RR SPIKE IN BASE OF 10' PINE  
 .....  
 BM76 ELEVATION • 181.16  
 N 427607 E 2017249  
 BM76 RR SPIKE IN BASE OF 18' PINE  
 .....  
 BM77 ELEVATION • 178.07  
 N 429353 E 2018330  
 BM77 RR SPIKE IN BASE OF 24' PINE  
 .....  
 BM78 ELEVATION • 173.15  
 N 430902 E 2020171  
 BM78 RR SPIKE IN BASE OF 18' PINE  
 .....  
 BM79 ELEVATION • 166.35  
 N 431610 E 2021708  
 BM79 RR SPIKE IN BASE OF 16' PINE  
 .....  
 BM80 ELEVATION • 156.99  
 N 432481 E 2023588  
 BM80 RR SPIKE IN BASE OF 12' PINE  
 .....  
 BM81 ELEVATION • 145.19  
 N 433421 E 2025417  
 BM81 RR SPIKE IN BASE OF 24' PINE  
 .....  
 BM82 ELEVATION • 174.11  
 N 425433 E 2016703  
 BM82 RR SPIKE IN BASE OF 12' PINE  
 .....  
 BM83 ELEVATION • 175.83  
 N 427146 E 2015189  
 BM83 RR SPIKE IN BASE OF 12' PINE  
 .....  
 BM84 ELEVATION • 179.02  
 N 428541 E 2018427  
 BM84 RR SPIKE IN BASE OF 12' PINE  
 .....

.....  
 BM85 ELEVATION • 174.15  
 N 431037 E 2018881  
 BM85 RR SPIKE IN BASE OF 12' PINE  
 .....  
 BM86 ELEVATION • 171.70  
 N 432695 E 2022960  
 BM86 RR SPIKE IN BASE OF 18' PINE  
 .....  
 BM87 ELEVATION • 172.53  
 N 431235 E 2023788  
 BM87 FILED 'X' IN BONNET BOLT ON FIREHYDRANT  
 .....  
 BM91 ELEVATION • 171.89  
 N 420658 E 2013025  
 BM91 RR SPIKE IN BASE OF 32' PINE  
 .....

### 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

PROJECT REFERENCE NO.	SHEET NO.
I-5987	RW02C-22
<b>Location and Surveys</b>	
	
6750 TRYON ROAD CARY, NC 27518 phone: 919.851.1912 CALYXengineers.com NC License # F-1333	

EY42

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	428217.405	2017279.410											
LINE			N 32°24'28.3" E	128.52									
PC	428325.908	2017348.289											
CURVE			N 31°32'18.2" E	100.27	0°44'20.2"(L T)	0°44'03.3"	100.27	50.14	3303.80				
PCC	428411.364	2017400.735											
CURVE			N 28°45'32.6" E	99.98	0°49'11.0"(L T)	0°3'49'11.0"	100.00	50.02	1500.00				
PCC	428499.013	2017448.839											
CURVE			N 25°52'01.2" E	239.99	0°57'51.9"(L T)	0°49'06.6"	240.00	120.01	7000.00				
PCC	428714.957	2017553.542											
CURVE			N 24°16'15.2" E	150.00	0°13'40.0"(L T)	0°49'06.6"	150.00	75.00	7000.00				
CS	428851.696	2017615.199											
SPIRAL			N 23°54'25.2" E	299.98						00°44'59.8"(RT)	299.98	199.99	99.99
SC	429125.937	2017736.765											
CURVE			N 25°39'25.1" E	499.96	0°30'00.0"(RT)	0°30'00.0"	500.00	250.04	11459.16				
CS	429576.604	2017953.240											
SPIRAL			N 27°24'25.0" E	299.98						00°44'59.8"(RT)	299.98	199.99	99.99
ST	429842.912	2018091.322											
LINE			N 27°39'24.9" E	282.85									
TS	430093.442	2018222.613											
SPIRAL			N 26°39'25.0" E	299.96						0°3'00'00.0"(L T)	300.00	200.03	100.03
SC	430361.522	2018357.191											
CURVE			N 18°54'59.2" E	573.09	1°28'51.4"(L T)	0°2'00'00.0"	574.05	287.99	2864.79				
CS	430903.658	2018542.980											
SPIRAL			N 11°10'33.4" E	299.96						0°3'00'00.0"(L T)	300.00	200.03	100.03
ST	430903.658	2018542.980											

EY43

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	433113.570	2022815.760											
CURVE			S 34°18'55.2" E	22.34	00°53'36.7"(RT)	04°00'00.0"	22.34	11.17	1432.39				
CS	433095.120	2022828.353											
SPIRAL			S 29°52'05.7" E	299.86						06°00'00.8"(RT)	300.01	200.12	100.11
ST	432835.086	2022977.687											
LINE			S 27°52'06.1" E	1021.62									
TS	431931.950	2023455.234											
SPIRAL			S 28°15'26.3" E	200.04						0°10'00.8"(L T)	200.04	133.36	66.68
SC	431755.752	2023549.938											
CURVE			S 32°35'37.7" E	609.65	0°07'01.6"(L T)	0°10'00.0"	610.04	305.41	4911.07				
PT	431242.119	2023878.342											

EY44

POINT	N	E	BEARING	DIST
POT	431535.764	2023344.537		
LINE			N 74°20'34.7" E	297.07
POT	431615.937	2023630.585		

EY45

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	431615.937	2023630.585							
LINE			N 39°01'28.1" E	103.97					
PC	431696.709	2023696.050							
CURVE			N 28°27'10.6" E	210.23	21°08'35.0"(L T)	09°59'59.9"	211.43	106.93	572.96
PT	431881.548	2023796.213							
LINE			N 17°52'53.1" E	329.32					
PC	432194.960	2023897.330							
CURVE			N 24°28'34.7" E	256.29	13°11'23.2"(RT)	05°08'06.3"	256.86	129.00	1115.77
PCC	432428.217	2024003.515							
CURVE			N 34°48'28.3" E	89.94	0°28'24.1"(RT)	08°18'13.5"	90.00	45.06	690.00
PCC	432502.061	2024054.853							
CURVE			N 50°27'40.7" E	427.75	23°50'00.7"(RT)	05°31'54.2"	430.85	218.59	1035.77
PCC	432774.368	2024384.734							
CURVE			N 64°36'22.5" E	34.99	04°27'22.8"(RT)	12°43'56.6"	35.00	17.51	450.00
PCC	432789.374	2024416.345							
CURVE			N 69°48'53.5" E	136.89	05°57'39.2"(RT)	04°21'09.4"	136.95	68.54	1316.35
PT	432836.608	2024544.825							
LINE			N 72°47'43.2" E	969.50					
POT	433123.371	2025470.941							

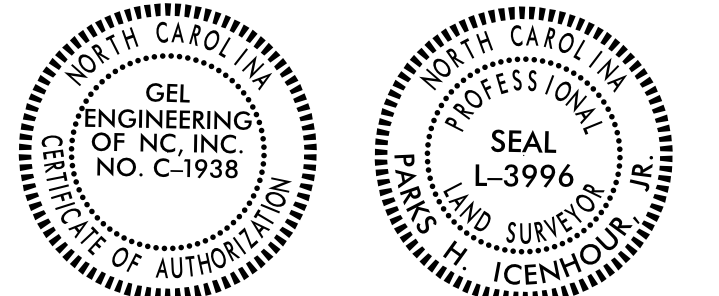
**NOTES:**

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







# RIGHT OF WAY CONTROL SHEET

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for LA 110+70.00 to 304+00.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y2 14+00.00 to 28+38.25.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y2 17+00.00 to 37+00.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for SR2 25+07.48 to 44+00.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for SR2 21+37.00 to 43+20.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for LA 309+90.00 to 109+98.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for SR6 40+76.15 to 56+40.41.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for SR6 29+42.00 to 55+00.00.

I, Parks H. Icehour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision...



This 25th day of October, 2021. Professional Land Surveyor L-3996

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y1A 17+25.00 to 29+94.40.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y1A 53+55.00 to 51+19.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y1ARPA 27+94.00 to 11+50.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y1ARPA 19+83.00 to 21+18.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Row for Y1ARPB 12+18.86.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Row for Y1ARPD 24+08.15.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y1RPA 14+00.36 to 11+50.00.

Table with 5 columns: ALIGN, STATION, OFFSET, NORTH, EAST. Rows for Y1ARPD 24+30.00 to 23+93.00.


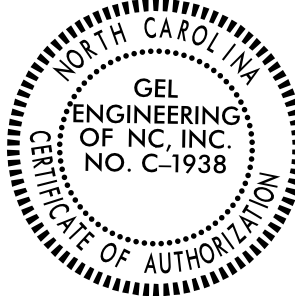
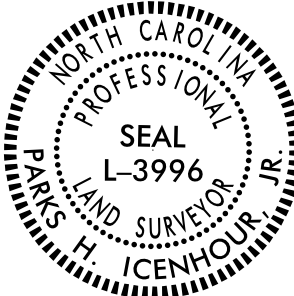
### NOTES:

- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 07/08/2021 TO 10/08/2021 .

REVISIONS



# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. L-5987A	SHEET NO. RW03E-2
<b>Location and Surveys</b>	
	
 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	29+14.46	-110.00	371264.3268	2000994.6220
Y3	33+79.11	-130.00	371611.8931	2001303.6466
Y3	34+04.73	-130.00	371630.2881	2001321.4758
Y3	36+00.00	-110.00	371756.9256	2001477.6110
Y3	37+80.27	77.70	371741.0056	2001737.7563
Y3	40+00.00	55.00	371904.9178	2001888.1432
Y3	40+00.00	37.84	371917.4466	2001876.4179
Y3	42+29.36	-30.00	372127.8089	2001990.6625
Y3	42+29.36	-40.00	372134.6316	2001983.3514
Y3	40+50.00	-45.00	372011.9072	2001855.5844
Y3	38+54.22	-65.00	371897.1060	2001699.6813
Y3	16+50.00	40.00	370277.6030	2000191.9638
Y3	16+50.00	30.00	370285.3293	2000185.6153
Y3	16+50.00	-30.00	370331.6874	2000147.5243
Y3	16+50.00	-40.00	370339.4137	2000141.1757
Y3	18+06.41	-40.00	370438.7095	2000262.0219
Y3	18+06.41	40.00	370376.8988	2000312.8100
Y3	20+00.00	-50.00	370571.6663	2000399.5064
Y3	21+00.00	65.00	370557.3115	2000551.3604
Y3	21+90.15	-75.00	370719.8639	2000515.6457
Y3	23+40.00	100.00	370705.6704	2000745.6002
Y3	24+00.00	-110.00	370894.9097	2000636.5658

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
LA2	404+22.09	160.00	365327.4870	2001040.9551
LA2	421+83.26	145.00	367088.7272	2001041.1413
LA2	438+32.80	145.00	368728.4882	2001102.7627
LA2	455+65.00	-141.93	370476.0393	2000938.7057
LA2	404+27.56	-142.00	365335.5649	2000739.0135
LA2	406+00.00	-150.00	365508.0671	2000732.5007
LA2	407+60.00	-150.00	365668.0612	2000733.8803
LA2	407+60.00	-129.46	365667.8841	2000754.4152
LA2	410+00.00	160.00	365905.3793	2001045.9381
LA2	414+00.00	145.00	366305.4938	2001034.3877
LA2	400+50.00	130.02	364955.6731	2001007.7716
LA2	458+10.00	-266.95	370729.2645	2000831.3221

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	24+00.00	-130.00	370908.8293	2000622.2046
Y3	33+55.00	108.00	371428.9356	2001457.7633
Y3	28+75.00	-120.00	371242.9490	2000959.9753
Y3	28+10.00	-110.00	371189.3152	2000921.9172
Y3	28+10.00	-130.00	371203.2347	2000907.5560
Y3	28+10.00	-120.00	371196.2750	2000914.7366
Y3	34+99.00	-140.00	371706.2199	2001382.4451
Y3	35+08.00	-148.00	371718.4236	2001383.3946
Y3	35+21.00	-133.00	371717.1368	2001403.4489
Y3	35+12.00	-124.00	371704.2436	2001403.1892
Y3	35+12.00	-118.01	371699.9794	2001407.4003
Y3	32+63.00	187.00	371307.8915	2001450.4602
Y3	32+43.00	164.00	371309.5378	2001420.0252
Y3	33+25.00	94.21	371416.9904	2001426.9828
Y3	32+97.00	118.00	371380.3282	2001424.5772
Y3	21+73.00	74.96	370602.9382	2000611.0975
Y3	21+72.00	80.00	370598.6827	2000613.9807
Y3	21+99.00	84.00	370615.5593	2000635.9781
Y3	22+00.00	79.02	370619.7427	2000633.0988
Y3	22+37.00	-82.81	370758.9448	2000542.6424
Y3	22+35.00	-95.00	370765.9898	2000532.5002
Y3	22+69.00	-101.00	370794.6797	2000551.8552
Y3	22+70.00	-95.00	370791.1219	2000556.8595
Y3	23+32.00	-98.66	370838.1881	2000597.3831
Y3	34+66.00	93.69	371517.4989	2001524.1922

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
LA2	353+42.93	-149.99	360251.1877	2000687.1815
LA2	353+15.00	-129.76	360223.0891	2000707.1660
LA2	353+90.00	-150.00	360298.2608	2000687.5777
LA2	353+90.00	-129.75	360298.0862	2000707.8272
LA2	465+77.00	-141.88	371485.5033	2001010.3044
LA2	466+05.00	-167.00	371515.2091	2000987.2271
LA2	466+16.00	-172.00	371526.5351	2000983.0173
LA2	466+36.00	-162.00	371545.7781	2000994.4062
LA2	466+34.00	-141.88	371542.3606	2001014.3359
LA2	467+85.00	141.81	371672.9271	2001307.9901
LA2	463+25.00	142.00	371214.0646	2001275.6591
LA2	464+03.00	-176.00	371314.3508	2000963.9691
LA2	464+09.00	-206.00	371322.4567	2000934.4683

I, Parks H. Icenhour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/08/2021 to 10/08/2021, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 25th day of October, 2021.

Professional Land Surveyor L-3996



**NOTES:**

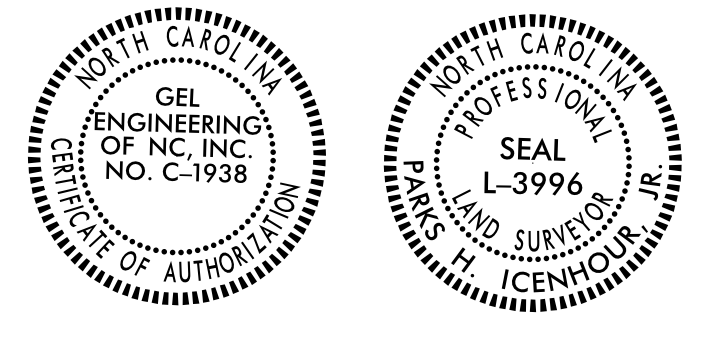
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 07/08/2021 TO 10/08/2021 .

REVISIONS

6/2/09

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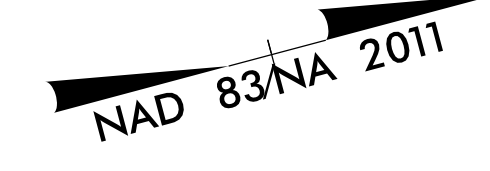
Location and Surveys



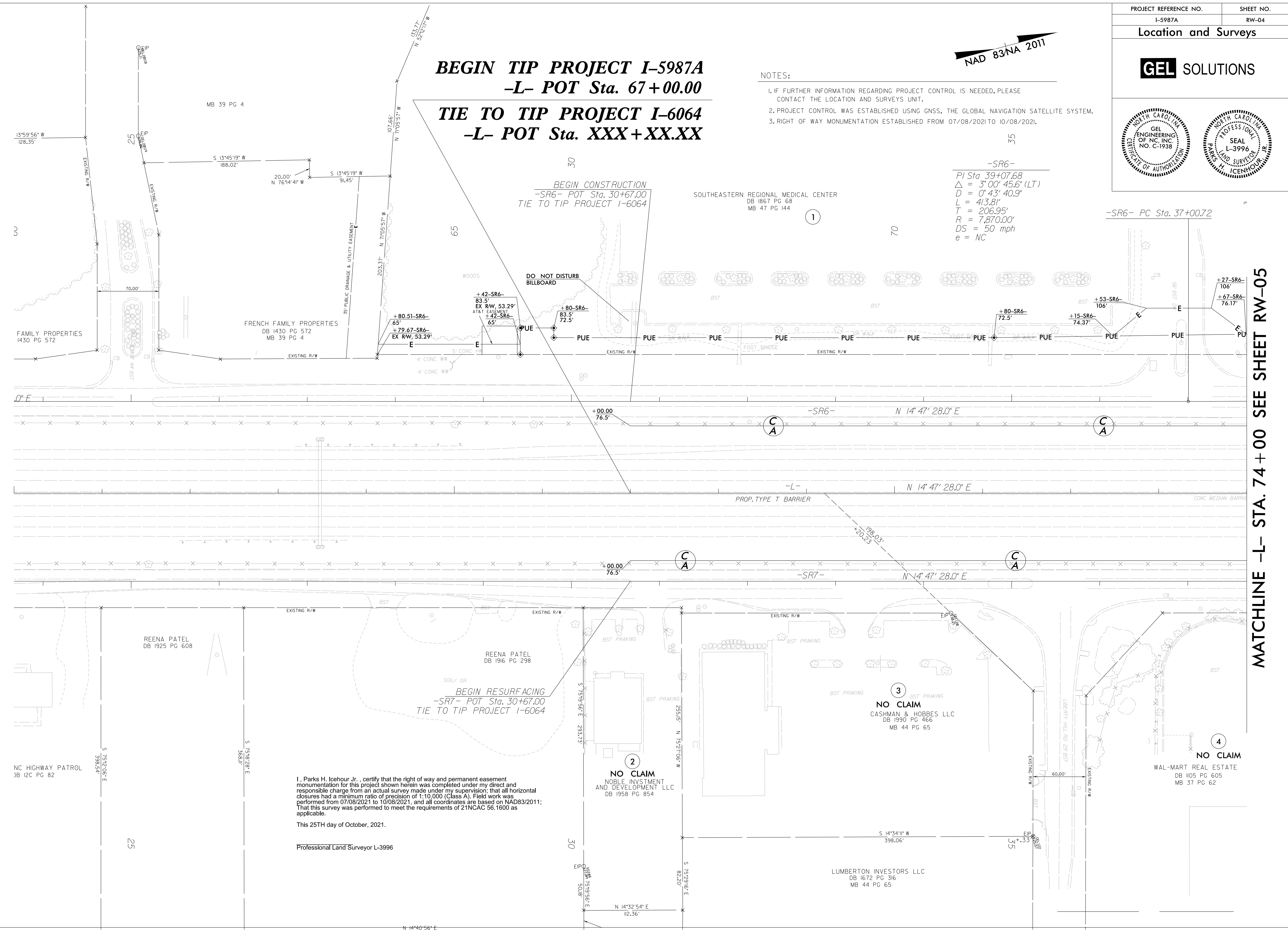
BEGIN TIP PROJECT I-5987A -L- POT Sta. 67+00.00 TIE TO TIP PROJECT I-6064 -L- POT Sta. XXX+XX.XX

NOTES:

- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM 07/08/2021 TO 10/08/2021.



-SR6- PI Sta 39+07.68 Delta = 3' 00" 45.6" (LT) D = 0' 43" 40.9" L = 413.81' T = 206.95' R = 7,870.00' DS = 50 mph e = NC



REVISIONS

MATCHLINE -L- STA. 74 + 00 SEE SHEET RW-05

Vertical text on the left margin containing file paths and names: C:\Users\George\_Hart\OneDrive\Documents\I-5987A\Drawings\I-5987A-L-RW-04.dgn

NC HIGHWAY PATROL 3B I2C PG 82

REENA PATEL DB 1925 PG 608

REENA PATEL DB 1916 PG 298

NO CLAIM CASHMAN & HOBBS LLC DB 1990 PG 466 MB 44 PG 65

NO CLAIM NOBLE INVESTMENT AND DEVELOPMENT LLC DB 1958 PG 854

LUMBERTON INVESTORS LLC DB 1672 PG 316 MB 44 PG 65

NO CLAIM WAL-MART REAL ESTATE DB 1105 PG 605 MB 37 PG 62

I, Parks H. Icehour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/08/2021 to 10/08/2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable. This 25TH day of October, 2021.

Professional Land Surveyor L-3996

BEGIN RESURFACING -SR7- POT Sta. 30+67.00 TIE TO TIP PROJECT I-6064

BEGIN CONSTRUCTION -SR6- POT Sta. 30+67.00 TIE TO TIP PROJECT I-6064

DO NOT DISTURB BILLBOARD

SOUTHEASTERN REGIONAL MEDICAL CENTER DB 1867 PG 68 MB 47 PG 144

FAMILY PROPERTIES 1430 PG 572

FRENCH FAMILY PROPERTIES DB 1430 PG 572 MB 39 PG 4

+80.51-SR6- 65' EX RW, 53.29'

+42-SR6- 83.5' AT&T EASEMENT EX RW, 53.29'

+80-SR6- 83.5' EX RW, 72.5'

+80-SR6- 72.5'

+15-SR6- 74.37'

+27-SR6- 106'

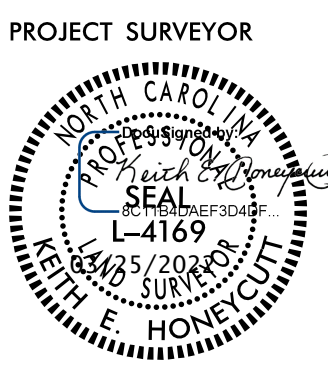
+67-SR6- 76.17'

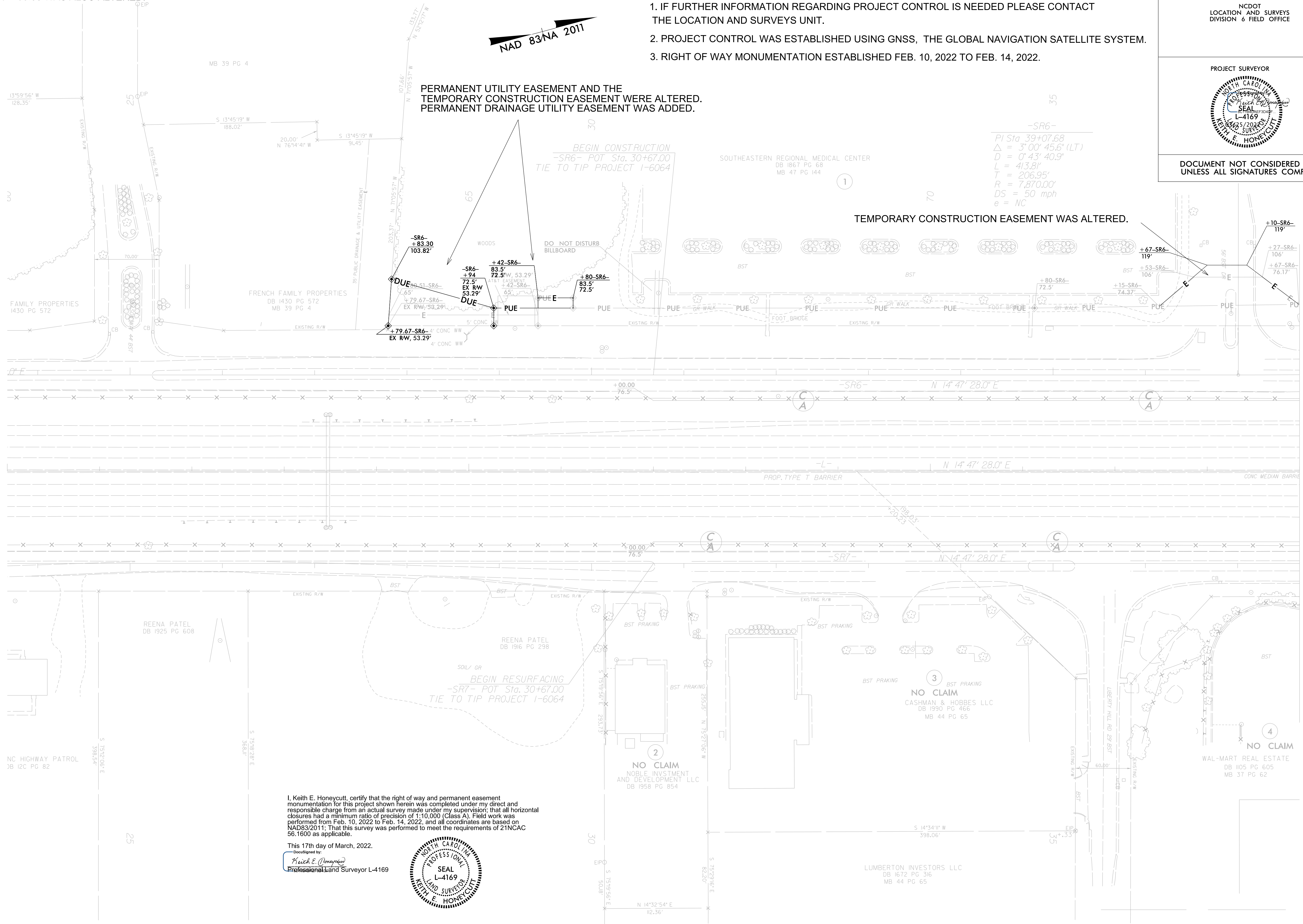
6/2/199

THE PURPOSE OF THIS ADDENDUM WAS TO REVISE THE TEMPORARY CONSTRUCTION EASEMENT, PERMANENT UTILITY EASMENT AND ADD A PERMANENT DRAINAGE UTILITY EASMENT FROM -SR6- STA. 27+80.00 TO 29+80.00 LT. THE TEMPORARY CONSTRUCTION EASEMENT AT -SR6- STA. 37+00.00 WAS ALSO ALTERED.

NOTES:

- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 3. RIGHT OF WAY MONUMENTATION ESTABLISHED FEB. 10, 2022 TO FEB. 14, 2022.

PROJECT REFERENCE NO. I-5987A	SHEET NO. RW04A
<b>Location and Surveys</b>	
NCDOT LOCATION AND SURVEYS DIVISION 6 FIELD OFFICE	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

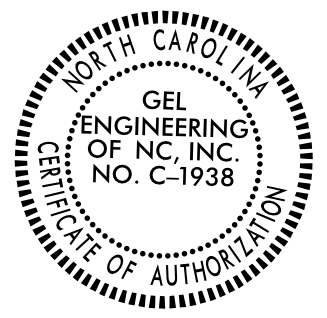

MATCHLINE -L- STA. 74 + 00 SEE SHEET RW05

I, Keith E. Honeycutt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from Feb. 10, 2022 to Feb. 14, 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of March, 2022.  
*Keith E. Honeycutt*  
 Professional Land Surveyor L-4169



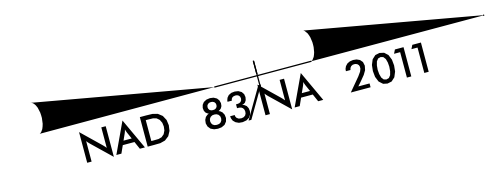
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PROJECT REFERENCE NO. I-5987A	SHEET NO. RW-05
<b>Location and Surveys</b>	
<b>GEL SOLUTIONS</b>	
 NORTH CAROLINA PROFESSIONAL ENGINEER L-3996 STATE OF NORTH CAROLINA	 NORTH CAROLINA PROFESSIONAL SURVEYOR L-3996 STATE OF NORTH CAROLINA

NOTES:  
 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.  
 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.  
 3. RIGHT OF WAY MONUMENTATION ESTABLISHED 07/08/2021 TO 10/08/2021.

I, Parks H. Ioshour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/08/2021 to 10/08/2021, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.  
 This 25TH day of October, 2021.

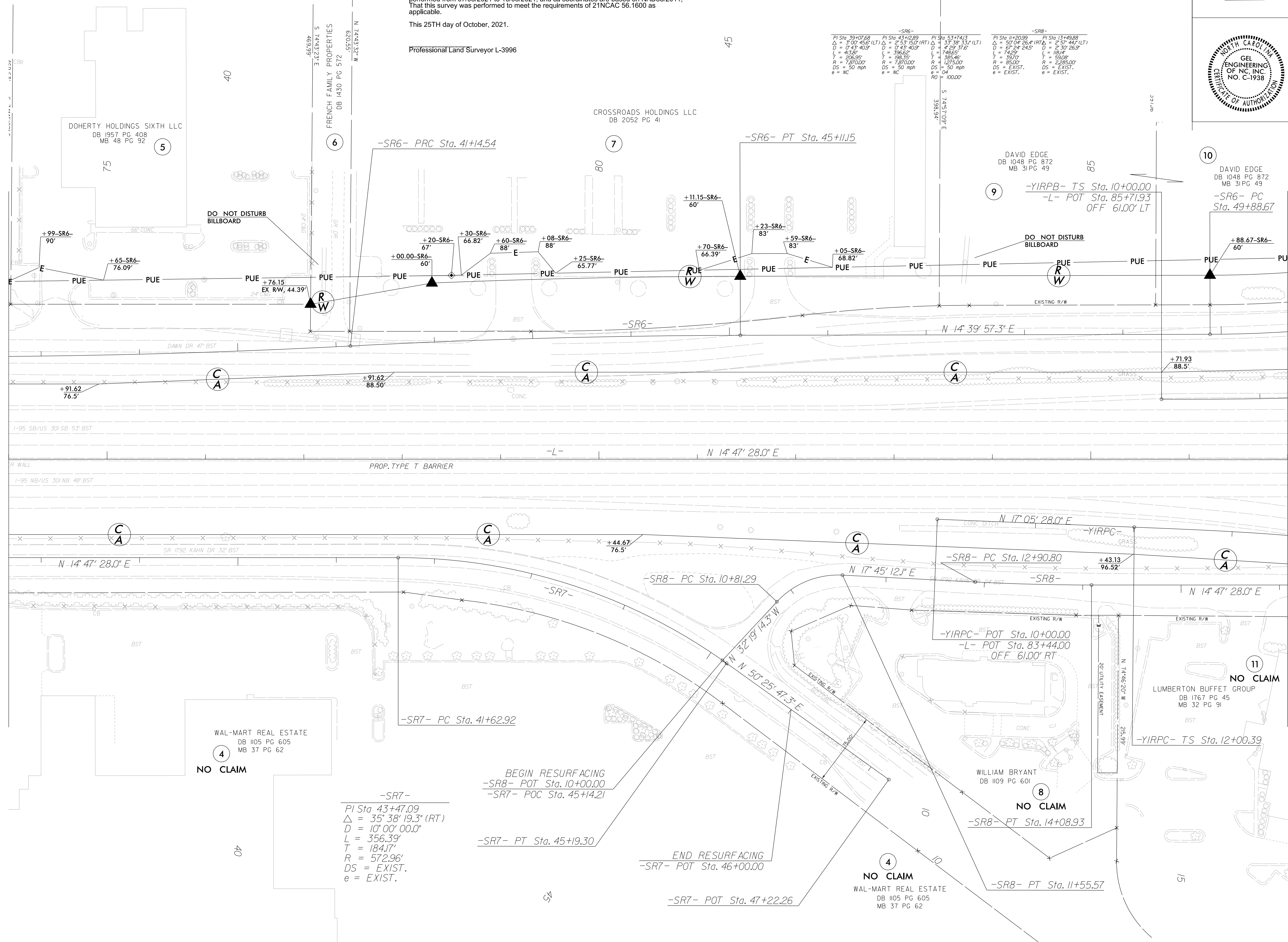
Professional Land Surveyor L-3996



-SR6-		-SR8-	
PI Sta 39+07.68	PI Sta 43+12.89	PI Sta 53+14.13	PI Sta 11+20.99
Δ = 3°00'45.6" (LT)	Δ = 2°53'15.0" (RT)	Δ = 3°30'33.5" (LT)	Δ = 90°04'26.4" (RT)
D = 1743.402'	D = 643.402'	D = 429.372'	D = 67.942'
L = 41.38'	L = 396.62'	L = 748.65'	L = 18.14'
T = 208.95'	T = 398.35'	T = 398.35'	T = 59.08'
R = 7870.00'	R = 7870.00'	R = 1275.00'	R = 85.00'
DS = 50 mph	DS = 50 mph	DS = 50 mph	DS = EXIST.
e = NC	e = NC	e = 04	e = EXIST.
		RO = 100.00'	

MATCHLINE -L- STA. 74+00 SEE SHEET RW-04

MATCHLINE -L- STA. 87+00 SEE SHEET RW-06



-SR7-  
 PI Sta 43+47.09  
 Δ = 35°38'19.3" (RT)  
 D = 10'00'00.0"  
 L = 356.39'  
 T = 184.17'  
 R = 572.96'  
 DS = EXIST.  
 e = EXIST.

BEGIN RESURFACING  
 -SR8- POT Sta. 10+00.00  
 -SR7- POC Sta. 45+14.21  
 -SR7- PT Sta. 45+19.30

END RESURFACING  
 -SR7- POT Sta. 46+00.00

-SR7- POT Sta. 47+22.26

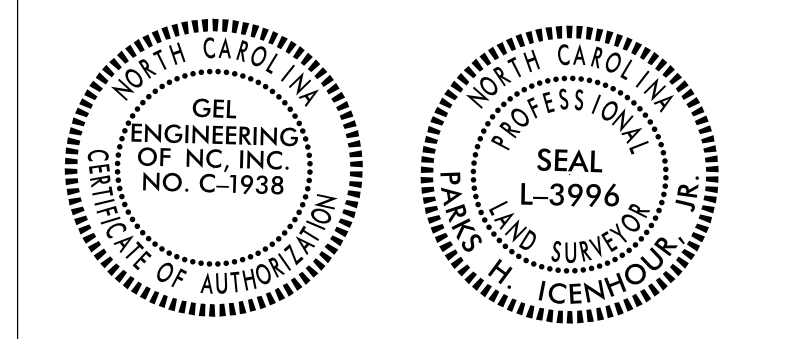
NO CLAIM  
 WAL-MART REAL ESTATE  
 DB 1105 PG 605  
 MB 37 PG 62

NO CLAIM  
 LUMBERTON BUFFET GROUP  
 DB 1767 PG 45  
 MB 32 PG 91

REVISIONS

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 George.Hart

Location and Surveys



I, Parks H. Icehour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/08/2021 to 10/08/2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 23rd day of February, 2022.

Professional Land Surveyor L-3996



-YIRPB-		-YIRPB-		-YIRPB-	
PI Sta 11+33.37 Δ = 3°52'16.8" Ls = 200.00' LT = 133.37' ST = 66.70'	PI Sta 14+06.66 Δ = 15°31'52.9" Ls = 200.00' LT = 133.37' ST = 66.70'	PI Sta 16+77.35 Δ = 15°31'52.9" Ls = 200.00' LT = 133.37' ST = 66.70'	PI Sta 24+76.97 Δ = 15°31'52.9" Ls = 200.00' LT = 133.37' ST = 66.70'	PI Sta 13+33.37 Δ = 3°52'16.8" Ls = 200.00' LT = 133.37' ST = 66.70'	PI Sta 14+85.24 Δ = 6°13'46.4" Ls = 200.00' LT = 133.37' ST = 66.70'
DS = 65 mph e = 08 RO = 200.00'	DS = 65 mph e = 08 RO = 200.00'	DS = 65 mph e = 08 RO = 200.00'	DS = 65 mph e = 08 RO = 200.00'	DS = 65 mph e = 08 RO = 200.00'	DS = 65 mph e = 08 RO = 200.00'

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM 07/08/21 TO 10/08/21.

REVISIONS

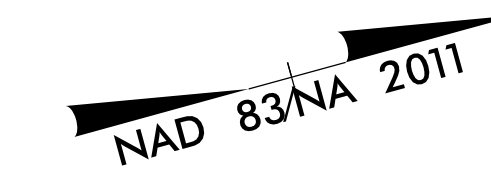
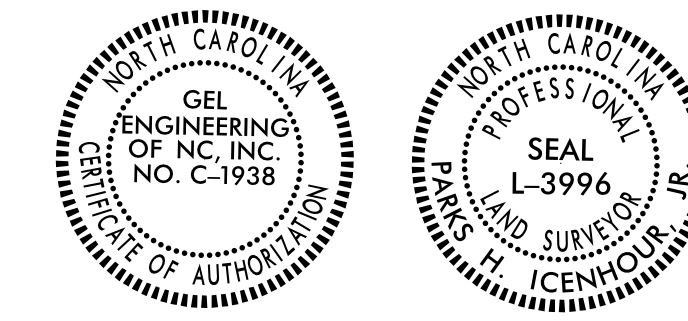
MATCHLINE -L- STA. 87+00 SEE SHEET RW-05

MATCHLINE -L- STA. 116+00 SEE SHEET RW-07

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George Hart AT GEORGE HART LLC  
Few sheets revised for chad on 2-22-2022. P\15987A\15987A.dwg



Location and Surveys



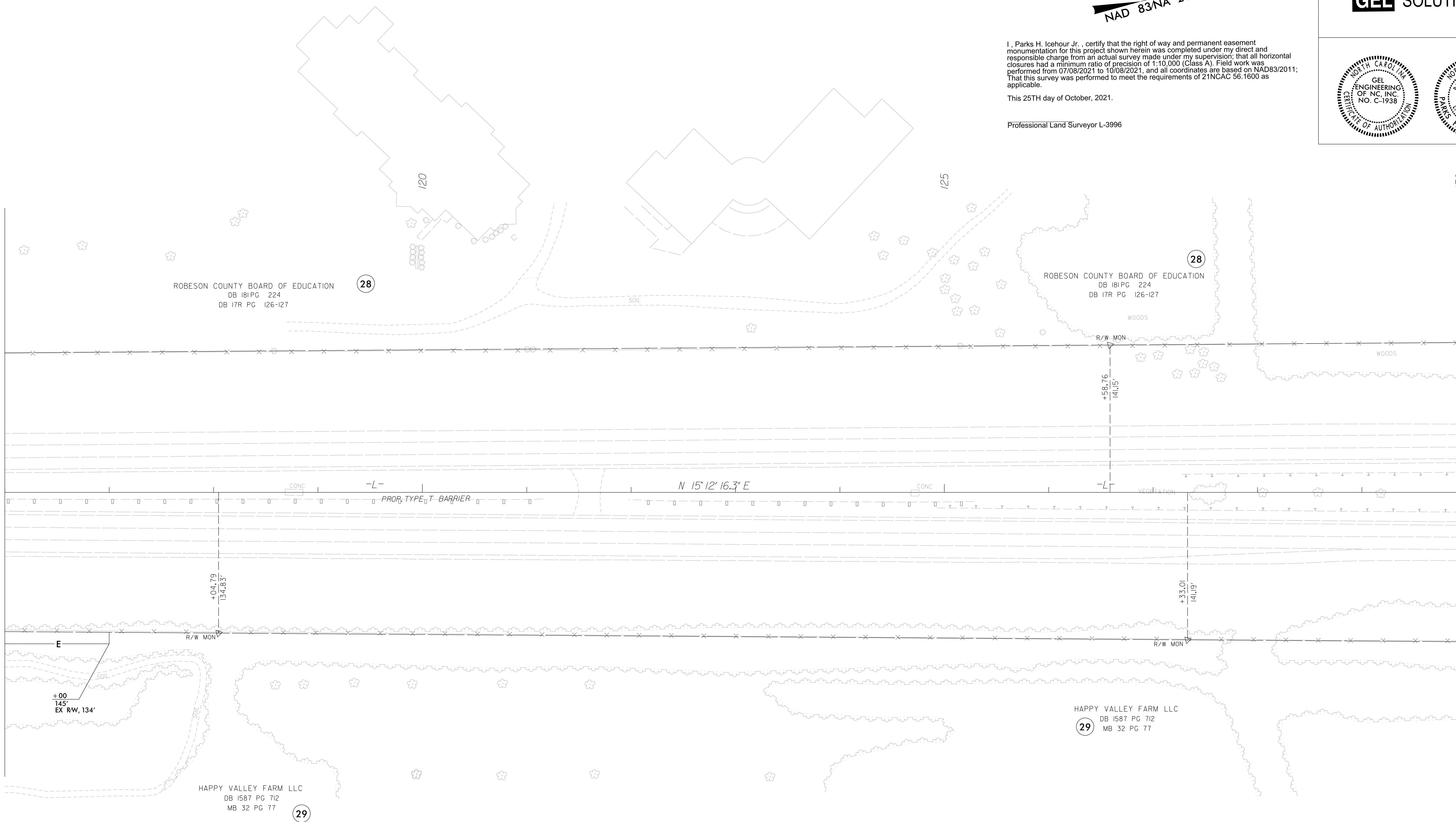
I, Parks H. Icehour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision, that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/08/2021 to 10/08/2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 25TH day of October, 2021.

Professional Land Surveyor L-3996

MATCHLINE -L- STA. 116 + 00 SEE SHEET RW-06

MATCHLINE -L- STA. 130 + 00 SEE SHEET RW-08



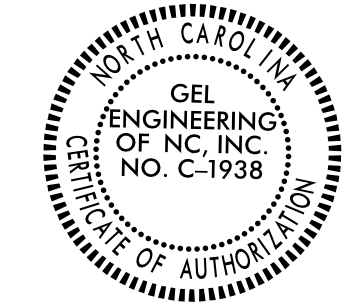
REVISIONS

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NOTES:

- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 3. RIGHT OF WAY MONUMENTATION ESTABLISHED 07/08/2021 TO 10/08/2021.

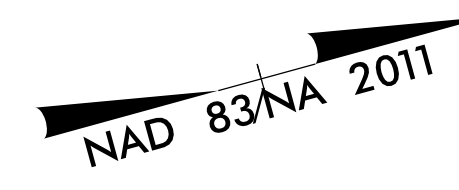
Location and Surveys



I, Parks H. Icehour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/08/2021 to 10/08/2021, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

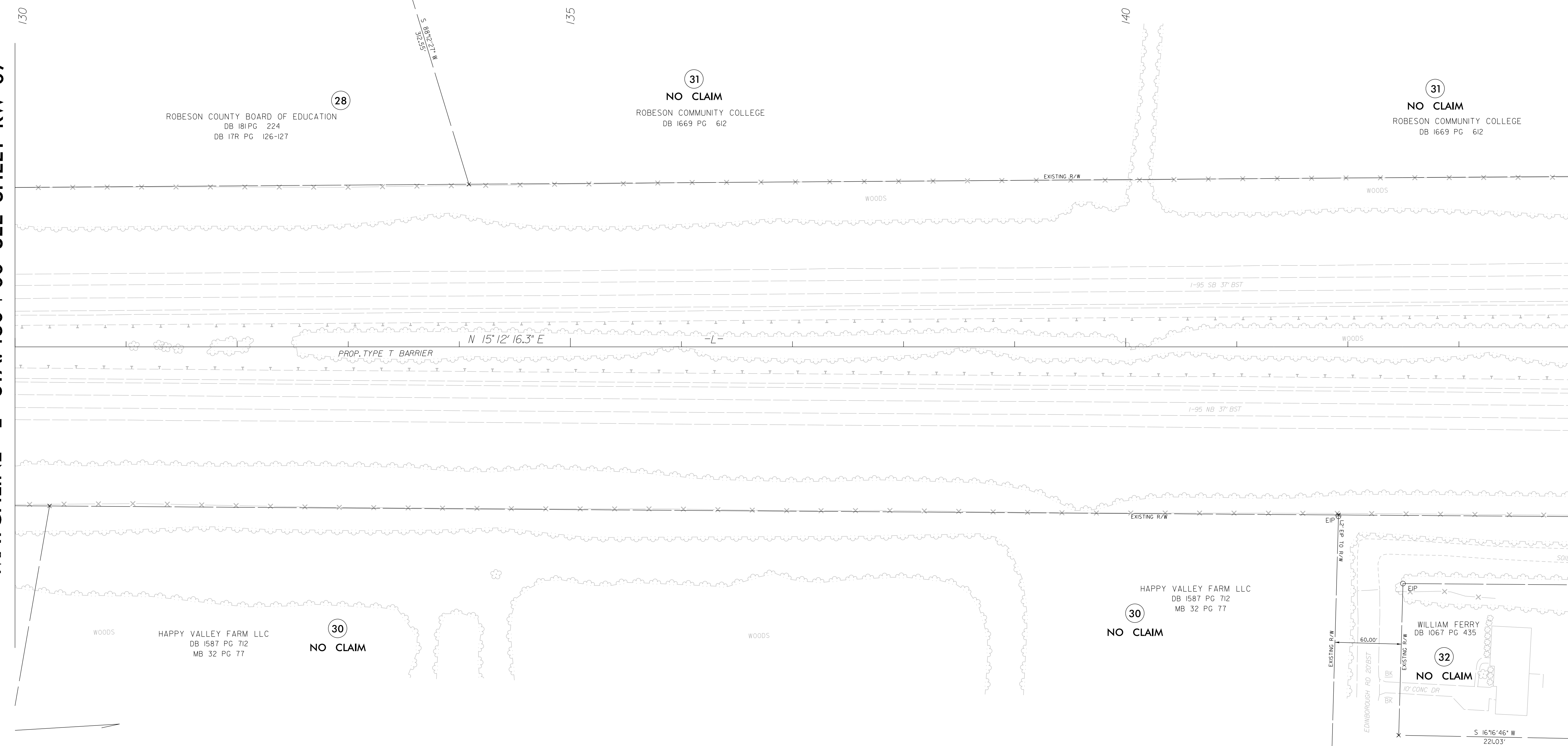
This 25TH day of October, 2021.

Professional Land Surveyor L-3996



MATCHLINE -L- STA. 130 + 00 SEE SHEET RW-07

MATCHLINE -L- STA. 144 + 00 SEE SHEET RW-09



REVISIONS

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 George Hart

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM 07/08/2021 TO 10/08/2021.