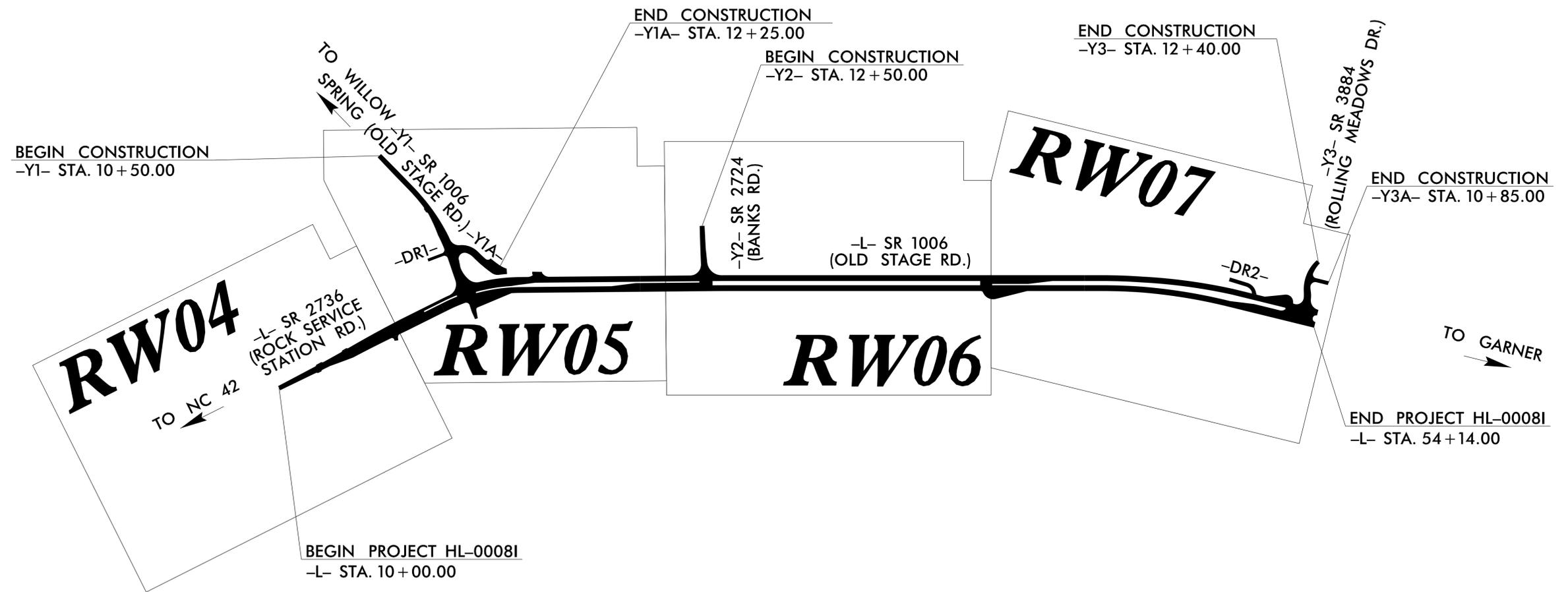


09/08/99

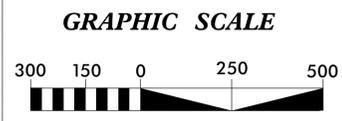
TIP PROJECT: HL-0008I

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HL-0008I	RW01	10

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



08-DEC-2025 14:54  
G:\Project\2025\1330725-20250529\SUR\RW SHEETS\HL-0008I\_is-rw01.dgn  
scott.cranford AT NCCAR-CRANSIOD



**DATUM DESCRIPTION**  
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2828-AZ-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF  
 NORTHING: 686,984.226(ft) EASTING: 2,106,646.066(ft)  
 ELEVATION: 385.67(ft)  
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99988804  
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2828-AZ-1" TO -L- STATION 10+00.00 IS  
 S 77-34'59.5" W 8762.35(ft)  
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NAVD 88(GEOID 12B)

Prepared in the Office of:

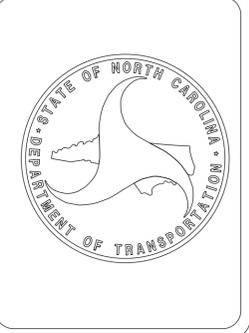
**NV5**  
 NV5 ENGINEERS & CONSULTANTS, INC.  
 3300 REGENCY PARKWAY, SUITE 100  
 CARY, NC 27518  
 P: 919.851.1912 www.NV5.com  
 NC License # F-1333  
 formerly DALTA Engineers & Consultants

2024 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:** NOVEMBER 22, 2023  
**LETTING DATE:** MARCH 17, 2026

**PROFESSIONAL LAND SURVEYOR**

Signature: *G. Scott Cranford*  
 Date: 12/08/2025



# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
HL-00081	RW02C-1
<b>Location and Surveys</b>	
<b>NV15</b>	
<small>NVS ENGINEERS &amp; CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27515 P: 919.851.1912 www.nvs.com NC License # 3533 Formerly CV, VA Engineers &amp; Consultants</small>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, C. ANDREW HEATH, JR., PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**  
 Type of GPS field procedure: **STATIC**  
 Dates of survey: **7/26/2017 TO 8/03/2017**  
 Datum/Epoch: **NAD 83 (CONUS)**  
 Published/Fixed-control use: **CORS STA'S -NCJL, NCLI, NCNA, NCRD, NCSF AND SNFD**  
 Localized around: **R2828-AZ-1**  
 Northing: **686,984.226**  
 Easting: **2,106,646.066**  
 Combined grid factor: **(GROUND TO GRID) = 0.99988804**  
 Geoid model: **GEOID 12B**  
 Units: **US SURVEY FT**

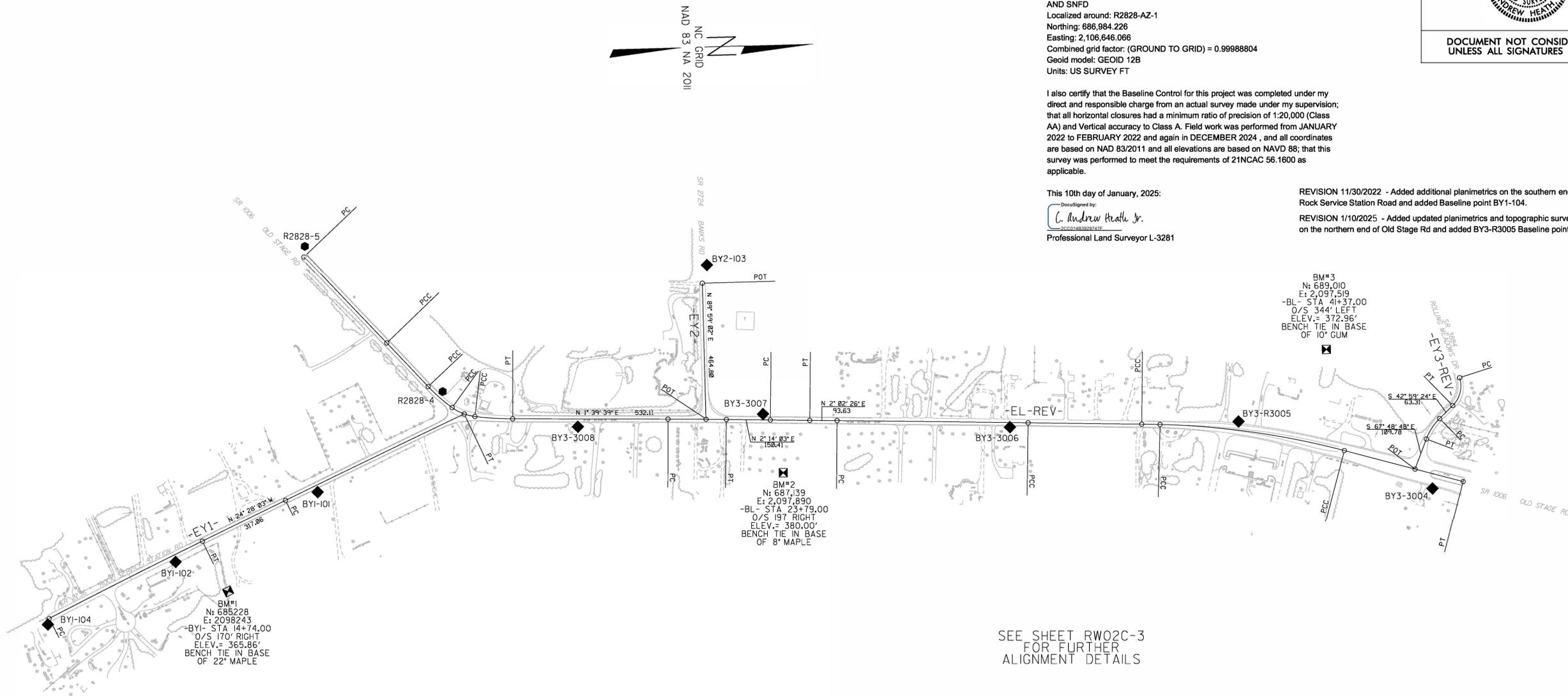
I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from **JANUARY 2022 to FEBRUARY 2022** and again in **DECEMBER 2024**, and all coordinates are based on **NAD 83/2011** and all elevations are based on **NAVD 88**; that this survey was performed to meet the requirements of **21NCAC 56.1600** as applicable.

This 10th day of January, 2025:

DocuSigned by:  
  
 Professional Land Surveyor L-3281

REVISION 11/30/2022 - Added additional planimetrics on the southern end of Rock Service Station Road and added Baseline point BY1-104.

REVISION 11/10/2025 - Added updated planimetrics and topographic surveys on the northern end of Old Stage Rd and added BY3-R3005 Baseline point.



SEE SHEET RW02C-3  
FOR FURTHER  
ALIGNMENT DETAILS

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.
HL-00081	RW02C-2
<b>Location and Surveys</b>	
 <small>NIV5 ENGINEERS &amp; CONSULTANTS, INC.        3300 REGENCY PARKWAY, SUITE 100        CARY, NC 27518        P: 919.851.1912 www.NIV5.com        NC License # 4333        formerly CIVIL Engineers &amp; Consultants</small>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
	R2828-5	REBAR AND GPS CAP	685522.3520	2097071.2650	369.84
	R2828-4	REBAR AND GPS CAP	685981.1620	2097580.5110	375.88
	BY3-3008	REBAR AND TRV CAP	686439.7570	2097713.1320	365.44
	BY3-3007	REBAR AND TRV CAP	687075.1940	2097687.0380	383.20
	BY3-3006	REBAR AND TRV CAP	687919.3450	2097754.7070	386.69
	BY3-R3005	REBAR AND TRV CAP	688702.5720	2097756.7050	398.80
	BY3-3004	REBAR AND TRV CAP	689360.7800	2098003.9870	395.66

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
	R2828-4	REBAR AND GPS CAP	685981.1620	2097580.5110	375.88
	BY1-101	REBAR AND TRV CAP	685543.1580	2097912.2330	368.64
	BY1-102	REBAR AND TRV CAP	685050.2780	2098137.4350	372.86
	BY1-104	REBAR AND TRV CAP	684607.3280	2098338.9910	369.55

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
	BY2-103	REBAR AND TRV CAP	686897.5960	2097172.3650	382.71
	BY3-3007	REBAR AND TRV CAP	687075.1940	2097687.0380	383.20

\*\*\*\*\*  
 BM1 ELEVATION = 365.86  
 N 685228 E 2098243  
 BY1 STATION 14+74.00 170 LEFT  
 BENCH TIE IN 22' MAPLE  
 \*\*\*\*\*

\*\*\*\*\*  
 BM2 ELEVATION = 380.00  
 N 687139 E 2097890  
 BL STATION 23+79.00 197 RIGHT  
 BENCH TIE IN 8' MAPLE  
 \*\*\*\*\*

\*\*\*\*\*  
 BM3 ELEVATION = 372.96  
 N 689010 E 2097519  
 BL STATION 41+37.00 344 LEFT  
 BENCH TIE IN 10' GUM  
 \*\*\*\*\*

I, C. ANDREW HEATH, JR., PLS, certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from JANUARY 2022 to FEBRUARY 2022 and again in DECEMBER 2024, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of January, 2025:

DocuSigned by:  
  
 2025011835297417  
 Professional Land Surveyor L-3281

REVISION 11/30/2022 - Added Baseline point BY1-104.  
 REVISION 1/10/2025 - Added Baseline point BY3-R3005.

REVISIONS

### 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.
HL-00081	RW02C-3
<b>Location and Surveys</b>	
 <small>NIV5 ENGINEERS &amp; CONSULTANTS, INC.        3300 REGENCY PARKWAY, SUITE 100        CARY, NC 27518        P: 919.851.1912 www.NIV5.com        NC License # 4333 formerly CIVIL Engineers &amp; Consultants</small>	
	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL-REV									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	685519.128	2097106.383							
CURVE			N 47°51'04.4" E	409.08	00°25'06.0"(LT)	00°06'08.1"	409.08	204.54	56028.76
PCC	685793.642	2097409.675							
CURVE			N 47°55'58.5" E	205.49	00°34'54.1"(RT)	00°16'59.1"	205.49	102.75	20240.75
PCC	685931.323	2097562.225							
CURVE			N 42°45'08.9" E	109.19	10°56'33.6"(LT)	10°00'22.3"	109.36	54.85	572.60
PCC	686011.502	2097636.349							
CURVE			N 22°50'41.5" E	83.52	28°52'21.2"(LT)	34°12'23.2"	84.41	43.12	167.50
PCC	686088.468	2097668.773							
CURVE			N 05°02'05.0" E	129.47	06°44'51.7"(LT)	05°12'31.3"	129.55	64.85	1100.00
PT	686217.440	2097680.135							
LINE			N 01°39'39.2" E	532.11					
PC	686749.329	2097695.558							
CURVE			N 01°56'51.0" E	200.10	00°34'23.6"(RT)	00°17'11.3"	200.10	100.05	20000.00
PT	686949.309	2097702.358							
LINE			N 02°14'02.8" E	150.41					
PC	687099.602	2097708.221							
CURVE			N 02°08'14.4" E	135.14	00°11'36.9"(LT)	00°08'35.7"	135.14	67.57	40000.00
PT	687234.645	2097713.261							
LINE			N 02°02'25.9" E	93.63					
PC	687328.216	2097716.595							
CURVE			N 02°11'53.9" E	654.35	00°18'55.9"(RT)	00°02'53.6"	654.35	327.18	118827.15
PCC	687982.086	2097741.694							
CURVE			N 02°13'24.4" E	389.18	00°15'54.8"(LT)	00°04'05.3"	389.18	194.59	84073.89
PCC	688370.978	2097756.793							
CURVE			N 02°31'35.3" E	62.73	00°52'16.7"(RT)	01°23'20.4"	62.73	31.37	4125.00
PCC	688433.646	2097759.559							
CURVE			N 09°36'01.2" E	637.54	13°16'17.5"(RT)	02°04'37.3"	638.96	320.92	2758.53
PCC	689062.254	2097865.883							
CURVE			N 16°08'06.9" E	420.43	00°12'23.5"(LT)	00°02'56.8"	420.43	210.22	116644.94
PT	689466.123	2097982.723							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	684612.052	2098318.639							
CURVE			N 25°09'57.8" W	587.59	01°23'50.2"(RT)	00°14'16.1"	587.61	293.82	24094.90
PT	685143.869	2098068.769							
LINE			N 24°28'02.7" W	317.06					
PC	685432.459	2097937.450							
CURVE			N 24°11'30.6" W	679.24	00°33'04.2"(RT)	00°04'52.1"	679.24	339.62	70610.94
PT	686052.044	2097659.103							

EY2				
POINT	N	E	BEARING	DIST
POT	686879.523	2097234.959		
LINE			N 89°59'02.3" E	464.80
POT	686879.653	2097699.762		

EY3-REV									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	689463.536	2097627.918							
CURVE			S 74°35'28.8" E	97.80	63°12'10.1"(RT)	61°23'53.1"	102.94	57.41	93.32
PT	689437.550	2097722.202							
LINE			S 42°59'23.8" E	63.31					
PC	689391.242	2097765.370							
CURVE			S 55°24'05.8" E	83.28	24°49'23.9"(LT)	29°34'28.3"	83.93	42.64	193.73
PT	689343.954	2097833.922							
LINE			S 67°48'47.8" E	109.78					
POT	689302.497	2097935.576							

I. C. ANDREW HEATH, JR., PLS. certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from JANUARY 2022 to NOVEMBER 2022 and again in DECEMBER 2024, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of January, 2025:  
 DocuSigned by:  
  
 I. C. Andrew Heath, Jr.  
 Professional Land Surveyor L-3281

REVISION 11/30/2022 - Extended EY1.  
 REVISION 1/10/2025 - Added EL-REV and EY3-REV

### 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

27-JAN-2025 08:36  
 C:\Projects\2024\1330724-2024\014 83\SUR\Contro Sheets\hl00081\_ls-r-w02c-3.dgn  
 I. C. Andrew Heath  
 AT NCCAR-HEATA1

# PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. HL-00081	SHEET NO. RW02D-1
<b>Location and Surveys</b>	
 <small>NVI5 ENGINEERS &amp; CONSULTANTS, INC.                  2300 RESEARCH PARKWAY, SUITE 100                  CARY, NC 27518                  P: 919.851.1750                  F: 919.851.1752                  www.nvi5.com                  License # 15183                  Professional Engineers &amp; Consultants</small>	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

L		N	E	BEARING	DIST	DELTA	D	L	T	R
POT	685100.1280	2098088.6740								
LINE				N 24°28'02.7" W	150.00					
PC	685236.6580	2098026.5470								
CURVE				N 25°34'12.6" W	192.45	02°12'19.7"(LT)	01°08'45.3"	192.46	96.24	5000.00
PCC	685410.2610	2097943.4810								
CURVE				N 25°27'06.9" W	213.09	02°26'31.1"(RT)	01°08'45.3"	213.10	106.57	5000.00
PT	685602.6670	2097851.9070								
LINE				N 24°13'51.3" W	216.39					
PC	685799.9930	2097763.0970								
CURVE				N 11°16'58.3" W	320.42	25°53'45.9"(RT)	08°00'48.2"	323.16	164.39	715.00
PT	686114.2160	2097700.4070								
LINE				N 01°39'54.6" E	783.90					
PC	686897.7870	2097723.1860								
CURVE				N 01°55'50.6" E	101.97	00°31'52.1"(RT)	00°31'15.1"	101.97	50.99	11000.00
PT	686999.6980	2097726.6210								
LINE				N 02°11'46.7" E	1529.81					
PC	688528.3890	2097785.2490								
CURVE				N 09°05'06.7" E	551.75	13°46'40.1"(RT)	02°29'28.0"	553.08	277.88	2300.00
PT	689073.2120	2097872.3710								
LINE				N 15°58'26.8" E	536.12					
POT	689588.6310	2098019.9130								

Y1		N	E	BEARING	DIST	DELTA	D	L	T	R
PC	685519.1290	2097106.3840								
CURVE				N 47°59'31.8" E	133.42	00°08'11.2"(LT)	00°06'08.1"	133.42	66.71	56028.76
PT	685608.4200	2097205.5240								
LINE				N 47°55'26.2" E	103.38					
PC	685677.6970	2097282.2600								
CURVE				N 60°38'00.2" E	334.41	25°25'08.0"(RT)	07°32'20.1"	337.17	171.40	760.00
PT	685841.6910	2097573.6990								
LINE				N 73°20'34.2" E	163.26					
POT	685888.4890	2097730.1080								

Y1A		N	E	BEARING	DIST	DELTA	D	L	T	R
POT	685834.4580	2097550.8430								
LINE				N 18°27'52.4" W	17.81					
PC	685851.3510	2097545.2020								
CURVE				N 14°33'02.2" E	87.18	66°01'49.1"(RT)	71°37'11.0"	92.20	51.98	80.00
PCC	685935.7320	2097567.1040								
CURVE				N 42°25'24.4" E	102.64	10°17'04.6"(LT)	10°00'22.3"	102.78	51.53	572.60
PCC	686011.5020	2097636.3490								
CURVE				N 34°13'30.7" E	17.86	06°06'42.8"(LT)	34°12'23.2"	17.87	8.94	167.50
PT	686026.2690	2097646.3930								

Y2		N	E	BEARING	DIST
POT	686879.5230	2097234.9590			
LINE				N 89°59'02.3" E	487.70
POT	686879.6590	2097722.6590			

REVISIONS

I:\JUL-2025\1517\17-JUL-2025\1330725-202501509\SUR\w-sheets\HL-00081-1.s-rw02d-1.dgn  
 I. G. Scott Cranford  
 AT NCCAF-CRANFORD

**NOTES:**

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

I, G. SCOTT CRANFORD, PLS. certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 16th day of JULY, 2025.

*G. Scott Cranford*

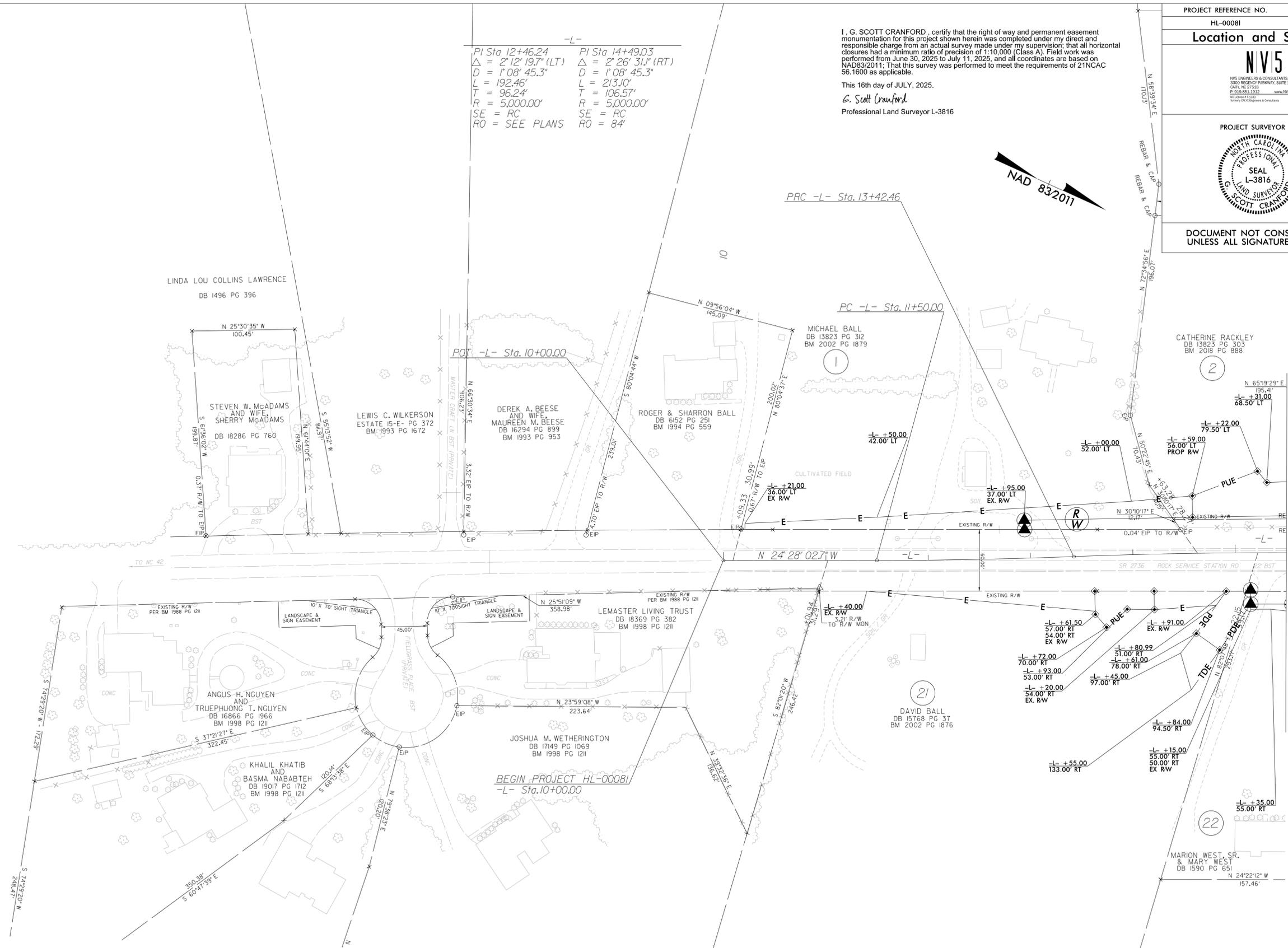
Professional Land Surveyor L-3816



PROJECT REFERENCE NO.	SHEET NO.
HL-00081	RW04
<b>Location and Surveys</b>	
<b>NV5</b>	
<small>NVS ENGINEERS &amp; CONSULTANTS, INC.          3300 REGENCY PARKWAY, SUITE 100          CARY, NC 27515          P: 919.853.1500 F: 919.853.1502 www.nv5.com          NC License # 11387          Members: ASCE, Engineers &amp; Consultants</small>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, G. SCOTT CRANFORD, 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 June 30, 2025 to July 11, 2025, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

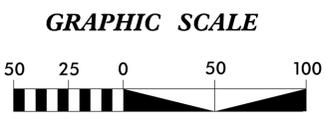
This 16th day of JULY, 2025.  
*G. Scott Cranford*  
 Professional Land Surveyor L-3816



-L-

PI Sta 12+46.24	PI Sta 14+49.03
$\Delta = 2^\circ 12' 19.7''$ (LT)	$\Delta = 2^\circ 26' 31.1''$ (RT)
$D = 1' 08' 45.3''$	$D = 1' 08' 45.3''$
$L = 192.46'$	$L = 213.10'$
$T = 96.24'$	$T = 106.57'$
$R = 5,000.00'$	$R = 5,000.00'$
SE = RC	SE = RC
RO = SEE PLANS	RO = 84'

REVISIONS



**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 JUNE 2025 TO JULY 2025 .

MATCHLINE -L- STA. 15+50.00  
(SEE SHEET 5)

I:\JUL-2025\1503\1330725-2025015\09\SUR\w.sheets\HL-00081\1.s.rw04.dgn  
 1503  
 2025  
 06/02  
 AT NCCAF-CRANFORD  
 scottcranford

PROJECT REFERENCE NO.	SHEET NO.
HL-00081	RW05
<b>Location and Surveys</b>	
 <small>NVIS ENGINEERS &amp; CONSULTANTS, INC.          3300 REGENCY PARKWAY, SUITE 100          CARY, NC 27518          P: 919.855.5952          www.nvis.com</small>	
 PROJECT SURVEYOR <b>G. SCOTT CRANFORD</b>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, G. SCOTT CRANFORD, 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 June 30, 2025 to August 29, 2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 29th day of AUGUST, 2025.

G. Scott Cranford  
 Professional Land Surveyor L-3816

**-Y1-**

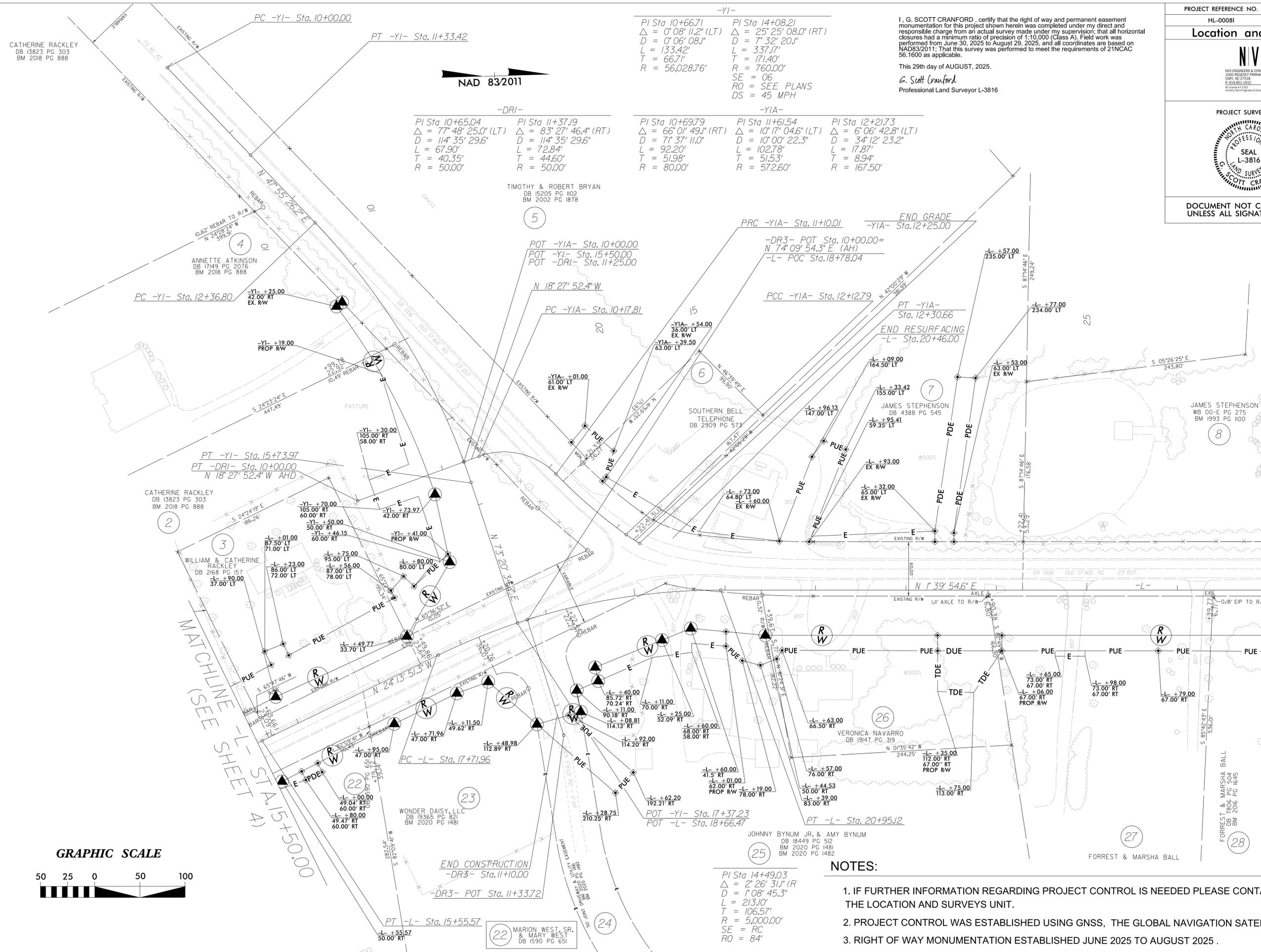
PI Sta 10+66.71 Δ = 0° 08' 11.2" (LT) D = 0' 06' 08.1" L = 133.42' T = 66.71' R = 56,028.76'	PI Sta 14+08.21 Δ = 25° 25' 08.0" (RT) D = 7' 32' 20.1" L = 337.17' T = 171.40' R = 760.00' SE = 06 RO = SEE PLANS DS = 45 MPH
---	--

**-DRI-**

PI Sta 10+65.04 Δ = 77° 48' 25.0" (LT) D = 114' 35' 29.6" L = 67.90' T = 40.35' R = 50.00'	PI Sta 11+37.19 Δ = 83° 27' 46.4" (RT) D = 114' 35' 29.6" L = 72.84' T = 44.60' R = 50.00'
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**-YIA-**

PI Sta 10+69.79 Δ = 66° 01' 49.1" (RT) D = 71' 37' 11.0" L = 92.20' T = 51.98' R = 80.00'	PI Sta 11+61.54 Δ = 10° 17' 04.6" (LT) D = 10' 00' 22.3" L = 102.78' T = 51.53' R = 572.60'	PI Sta 12+21.73 Δ = 6° 06' 42.8" (LT) D = 34' 12' 23.2" L = 17.87' T = 8.94' R = 167.50'
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CATHERINE RACKLEY  
 DB 13823 PG 303  
 BM 2018 PG 888

ANNETTE ATKINSON  
 DB 17149 PG 2076  
 BM 2018 PG 888

CATHERINE RACKLEY  
 DB 13823 PG 303  
 BM 2018 PG 888

WILLIAM & CATHERINE  
 RACKLEY  
 DB 2168 PG 157  
 BM 2018 PG 888

WONDER DAISY, LLC  
 DB 19365 PG 821  
 BM 2020 PG 1481

MARION WEST, SR.  
 & MARY WEST  
 DB 1590 PG 651

SOUTHERN BELL  
 TELEPHONE  
 DB 2909 PG 573

JAMES STEPHENSON  
 DB 4388 PG 545

JAMES STEPHENSON  
 WB 00-E PG 275  
 BM 1993 PG 1100

VERONICA NAVARRO  
 DB 19147 PG 319

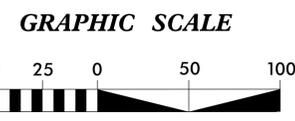
FORREST & MARSHA BALL  
 DB 7806 PG 504  
 BM 2016 PG 1645

JOHNNY BYNUM, JR. & AMY BYNUM  
 DB 18449 PG 512  
 BM 2020 PG 1481  
 BM 2020 PG 1482

PI Sta 14+49.03  
 Δ = 2° 26' 31.1" (R)  
 D = 1' 08' 45.3"  
 L = 213.10'  
 T = 106.57'  
 R = 5,000.00'  
 SE = RC  
 RO = 84'

**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 JUNE 2025 TO AUGUST 2025 .



REVISIONS

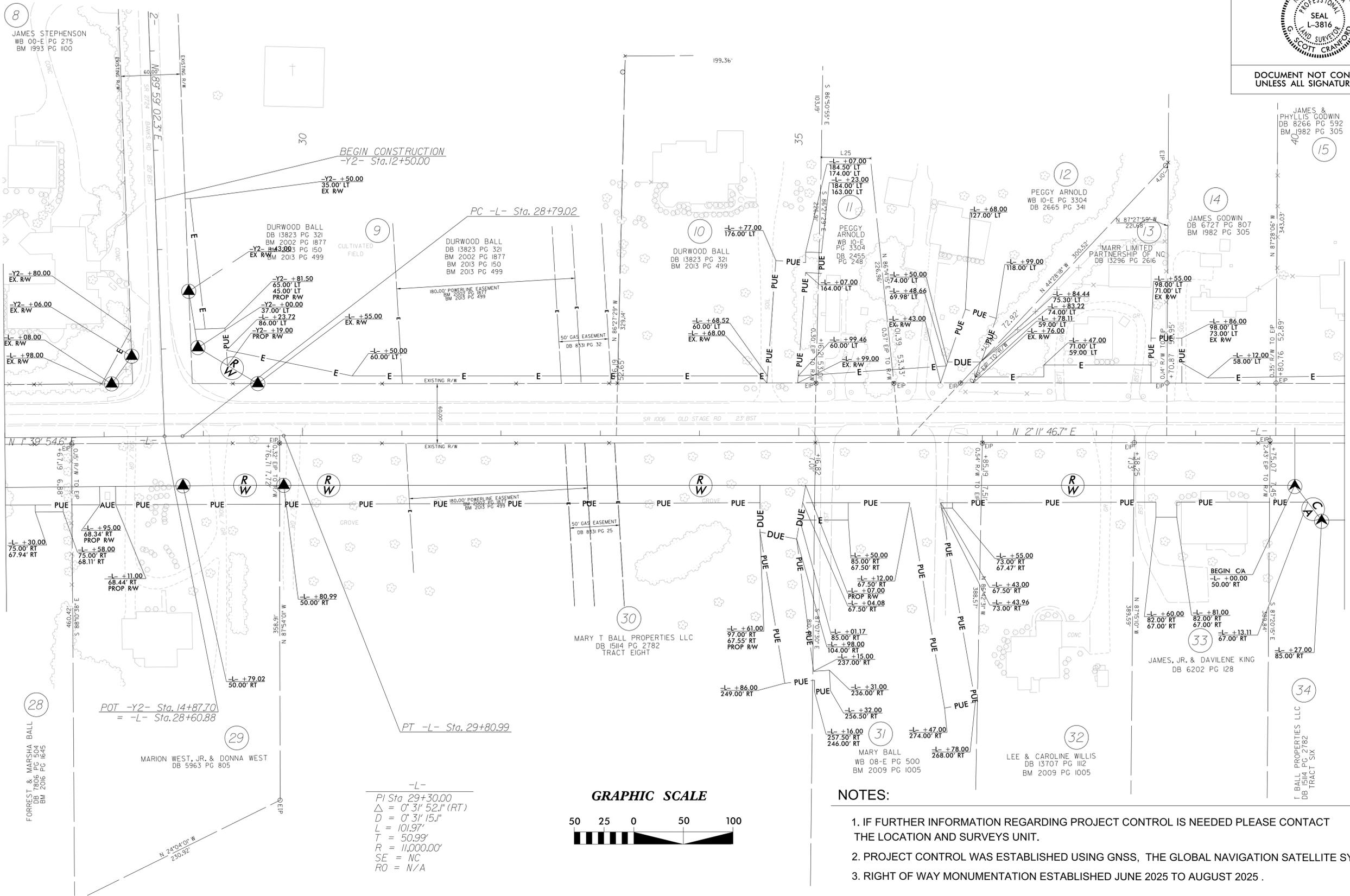
28 AUG 2025 08:33  
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 AT NCCAF-CRANFORD  
 G. SCOTT CRANFORD

MATCHLINE -L- STA. 27+00.00  
 (SEE SHEET 6)

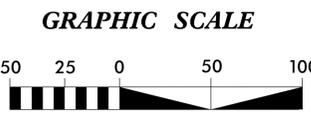
REVISIONS

MATCHLINE -L- STA. 27+00.00  
(SEE SHEET 5)

MATCHLINE -L- STA. 40+50.00  
(SEE SHEET 7)



-L-  
 PI Sta 29+30.00  
 $\Delta = 0' 31' 15.1''$  (RT)  
 $D = 0' 31' 15.1''$   
 $L = 101.97'$   
 $T = 50.99'$   
 $R = 11,000.00'$   
 $SE = NC$   
 $RO = N/A$



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 JUNE 2025 TO AUGUST 2025 .

NAD 832011

I, G. SCOTT CRANFORD, 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 June 30, 2025 to August 29, 2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 58.1600 as applicable.

This 29th day of AUGUST, 2025.  
 G. Scott Cranford  
 Professional Land Surveyor L-3816

PROJECT REFERENCE NO.	SHEET NO.
HL-00081	RW06
<b>Location and Surveys</b>	
<b>NVI5</b>	
<small>NVI ENGINEERS &amp; CONSULTANTS, INC.        3300 REGENCY PARKWAY, SUITE 100        CARY, NC 27518        P: 919.855.5932 www.NVI.com        NC License # 21139        Member of the International Association of Professional Surveyors</small>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-  
 PI Sta 47+88.68  
 $\Delta = 13^\circ 46' 40.1''$  (RT)  
 $D = 2^\circ 29' 28.0''$   
 $L = 553.08'$   
 $T = 277.88'$   
 $R = 2,300.00'$   
 $SE = 03$   
 $RO = 126'$

$r = 1'$   
 $\Delta = 71' 42.11''$   
 $D = 127^\circ 19' 26.2''$   
 $L = 56.32'$   
 $T = 32.52'$   
 $R = 45.00'$

-Y3-  
 PI Sta 10+77.50  
 $\Delta = 20^\circ 04' 19.6''$  (LT)  
 $D = 38^\circ 11' 49.9''$   
 $L = 52.55'$   
 $T = 26.55'$   
 $R = 150.00'$

PI Sta 11+74.38  
 $\Delta = 50^\circ 35' 12.0''$  (RT)  
 $D = 38^\circ 11' 49.9''$   
 $L = 132.44'$   
 $T = 70.88'$   
 $R = 150.00'$

PI Sta 13+10.38  
 $\Delta = 63^\circ 12' 10.0''$  (LT)  
 $D = 61^\circ 23' 53.1''$   
 $L = 102.94'$   
 $T = 57.41'$   
 $R = 93.32'$



I, G. SCOTT CRANFORD, 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 June 30, 2025 to July 11, 2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 16th day of JULY, 2025.

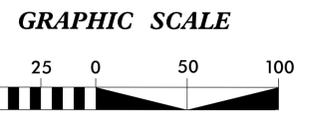
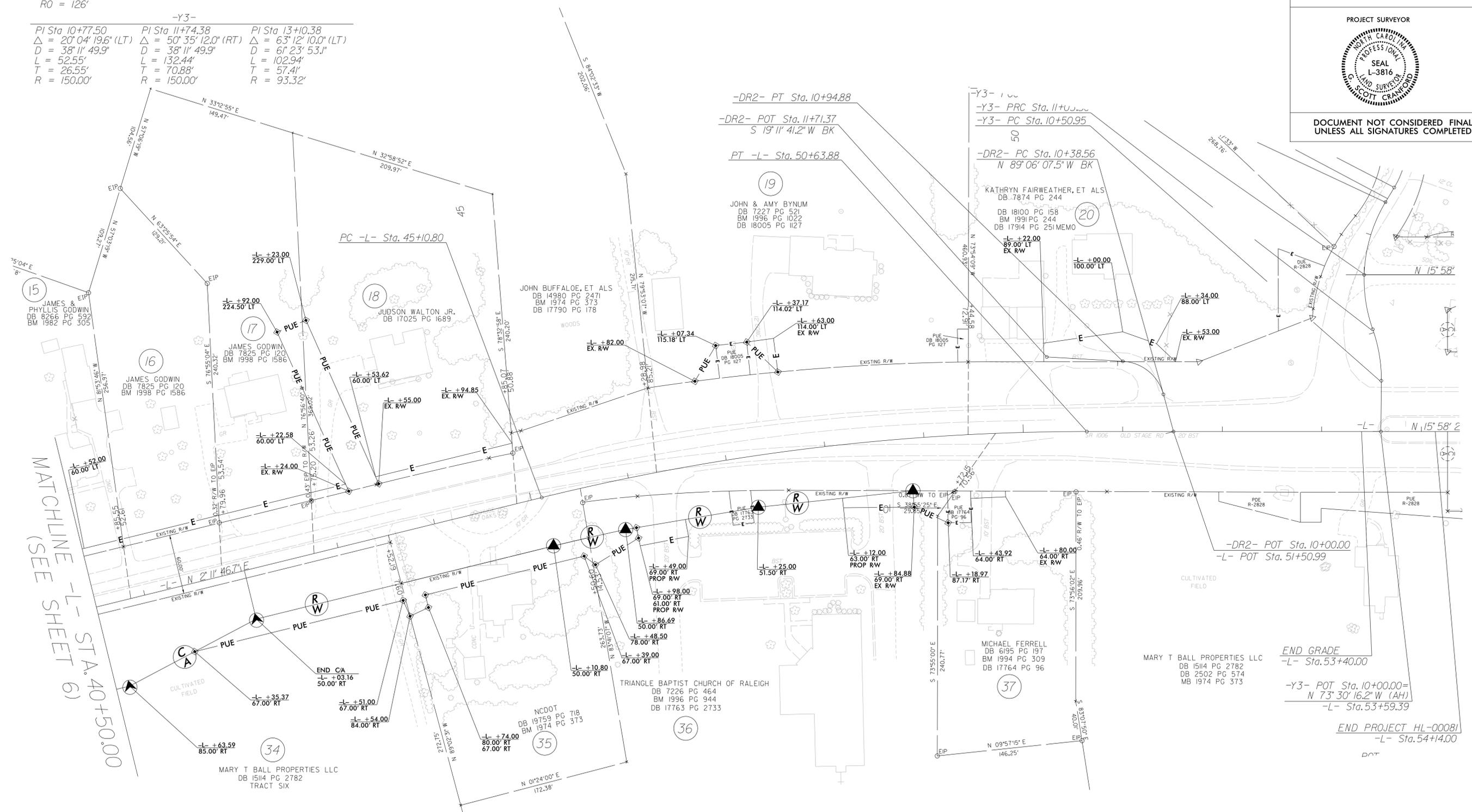
G. Scott Cranford  
 Professional Land Surveyor L-3816

PROJECT REFERENCE NO.	SHEET NO.
HL-00081	RW07
<b>Location and Surveys</b>	
<b>PROJECT SURVEYOR</b> 	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

REVISIONS

MATCHLINE (SEE SHEET 6)

17 JUL 2025 15:15  
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 AT NCCAF-CRANFORD



**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 JUNE 2025 TO JULY 2025 .

END GRADE  
 -L- Sta. 53+40.00

-Y3- POT Sta. 10+00.00 =  
 N 73° 30' 16.2" W (AH)  
 -L- Sta. 53+59.39

END PROJECT HL-00081  
 -L- Sta. 54+14.00