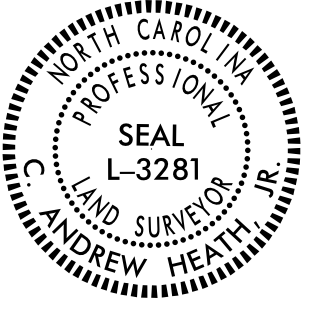


Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

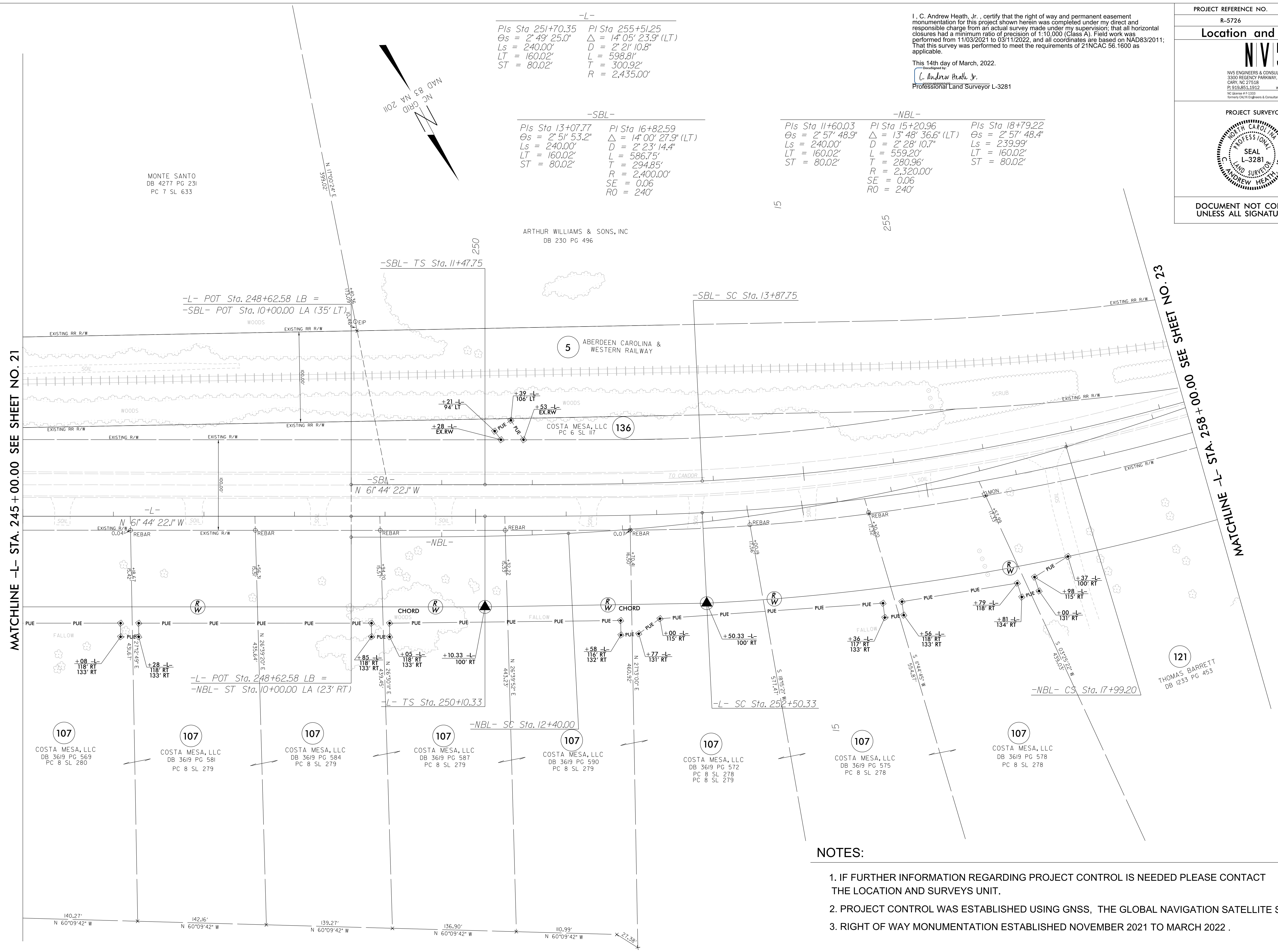
I, C. Andrew Heath, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 11/03/2021 to 03/11/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14th day of March, 2022.
 C. Andrew Heath, Jr.
 Professional Land Surveyor L-3281

-L-
 Pls Sta 251+70.35 PI Sta 255+51.25
 $\theta_s = 2^\circ 49' 25.0''$ $\Delta = 14^\circ 05' 23.9''$ (LT)
 $L_s = 240.00'$ $D = 2^\circ 21' 10.8''$
 $LT = 160.02'$ $L = 598.81'$
 $ST = 80.02'$ $T = 300.92'$
 $R = 2,435.00'$

-SBL-
 Pls Sta 13+07.77 PI Sta 16+82.59
 $\theta_s = 2^\circ 51' 53.2''$ $\Delta = 14^\circ 00' 27.9''$ (LT)
 $L_s = 240.00'$ $D = 2^\circ 23' 14.4''$
 $LT = 160.02'$ $L = 586.75'$
 $ST = 80.02'$ $T = 294.85'$
 $R = 2,400.00'$
 $SE = 0.06$
 $RO = 240'$

-NBL-
 Pls Sta 11+60.03 PI Sta 15+20.96 PI Sta 18+79.22
 $\theta_s = 2^\circ 57' 48.9''$ $\Delta = 13^\circ 48' 36.6''$ (LT) $\theta_s = 2^\circ 57' 48.4''$
 $L_s = 240.00'$ $D = 2^\circ 28' 10.7''$ $L_s = 239.99'$
 $LT = 160.02'$ $L = 559.20'$ $LT = 160.02'$
 $ST = 80.02'$ $T = 280.96'$ $ST = 80.02'$
 $R = 2,320.00'$
 $SE = 0.06$
 $RO = 240'$



MATCHLINE -L- STA. 245 + 00.00 SEE SHEET NO. 21

MATCHLINE -L- STA. 258 + 00.00 SEE SHEET NO. 23

REVISIONS

14-MAR-2022 09:03
 G:\Projects\2021\14-73\SURV\w_sheets\1s_rw22.dgn
 scott@cranford.com

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 NOVEMBER 2021 TO MARCH 2022 .

Location and Surveys

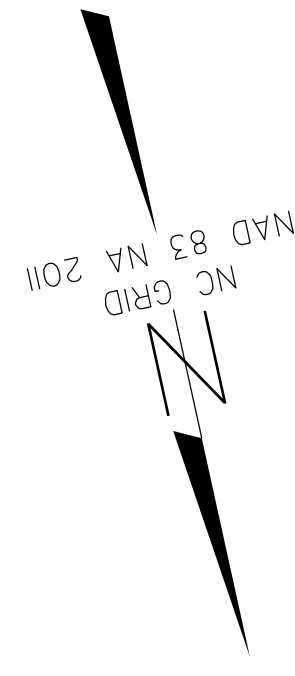


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

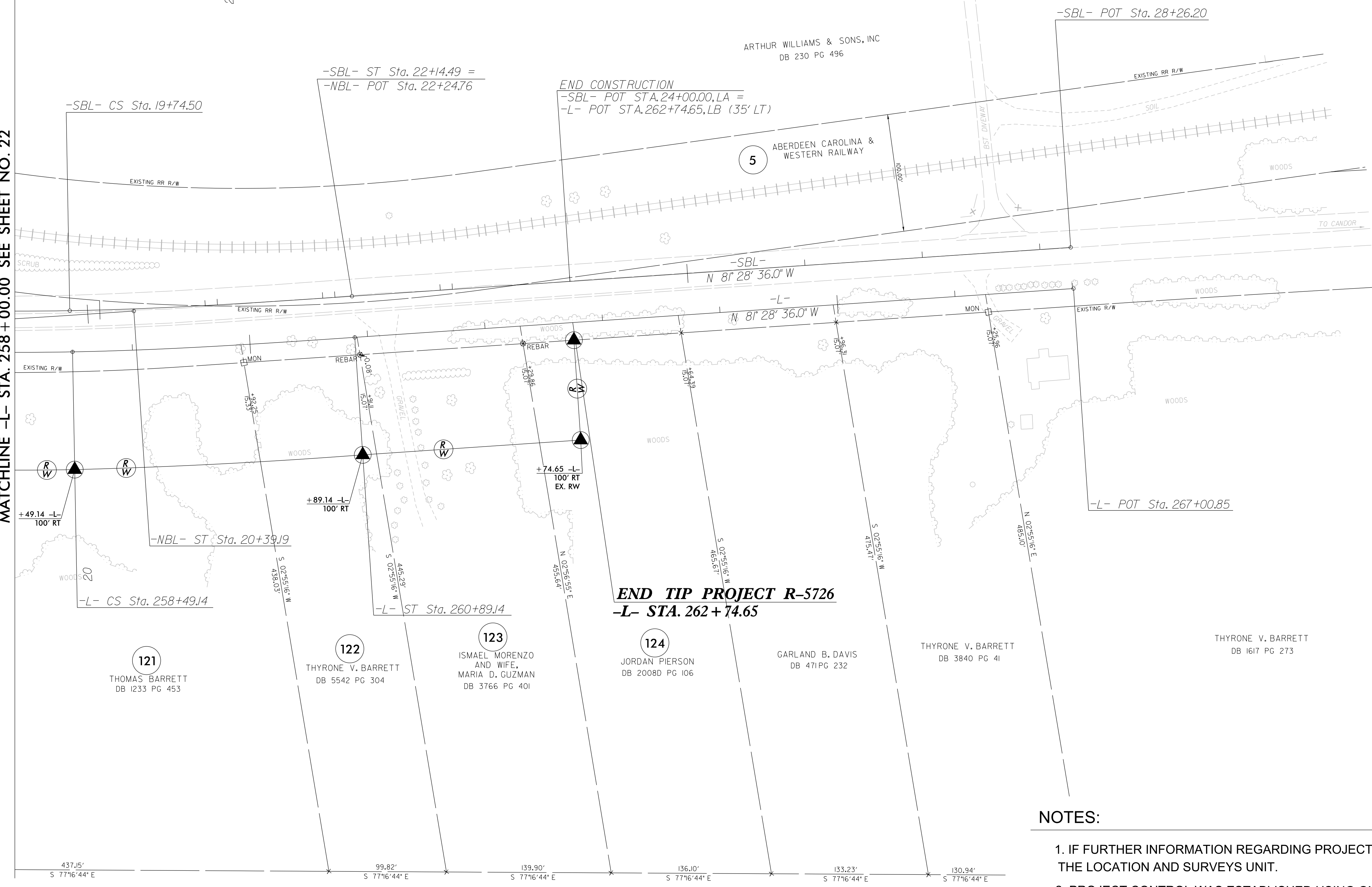
I, C. Andrew Heath, Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 11/03/2021 to 03/11/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14th day of March, 2022.
 C. Andrew Heath, Jr.
 Professional Land Surveyor L-3281

-L-	-NBL-	-SBL-
PI Sta 255+51.25 Δ = 14° 05' 23.9" (LT) D = 2' 21' 10.8" L = 598.81' T = 300.92' R = 2,435.00'	PIs Sta 259+29.16 Θs = 2° 49' 25.0" Ls = 240.00' LT = 160.02' ST = 80.02'	PIs Sta 18+79.22 Θs = 2° 57' 48.4" Ls = 239.99' LT = 160.02' ST = 80.02'
		PI Sta 16+82.59 Δ = 14° 00' 27.9" (LT) D = 2' 23' 14.4" L = 586.75' T = 294.85' R = 2,400.00'
		PIs Sta 20+54.52 Θs = 2° 51' 52.8" Ls = 239.99' LT = 160.01' ST = 80.02'



MATCHLINE -L- STA. 258 + 00.00 SEE SHEET NO. 22



REVISIONS

14-MAR-2022 09:07
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 AT NCCAP-GRANS100
 scott@pennford

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 NOVEMBER 2021 TO MARCH 2022 .

Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, C. Andrew Heath, 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 11/03/2021 to 03/11/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14th day of March, 2022.
 C. Andrew Heath, Jr.
 Professional Land Surveyor L-3281

RICHARD A. COWLEY, SR.
 AND WIFE,
 DIANE J. COWLEY
 DB 4054 PG 427
 PC 15 SL 683

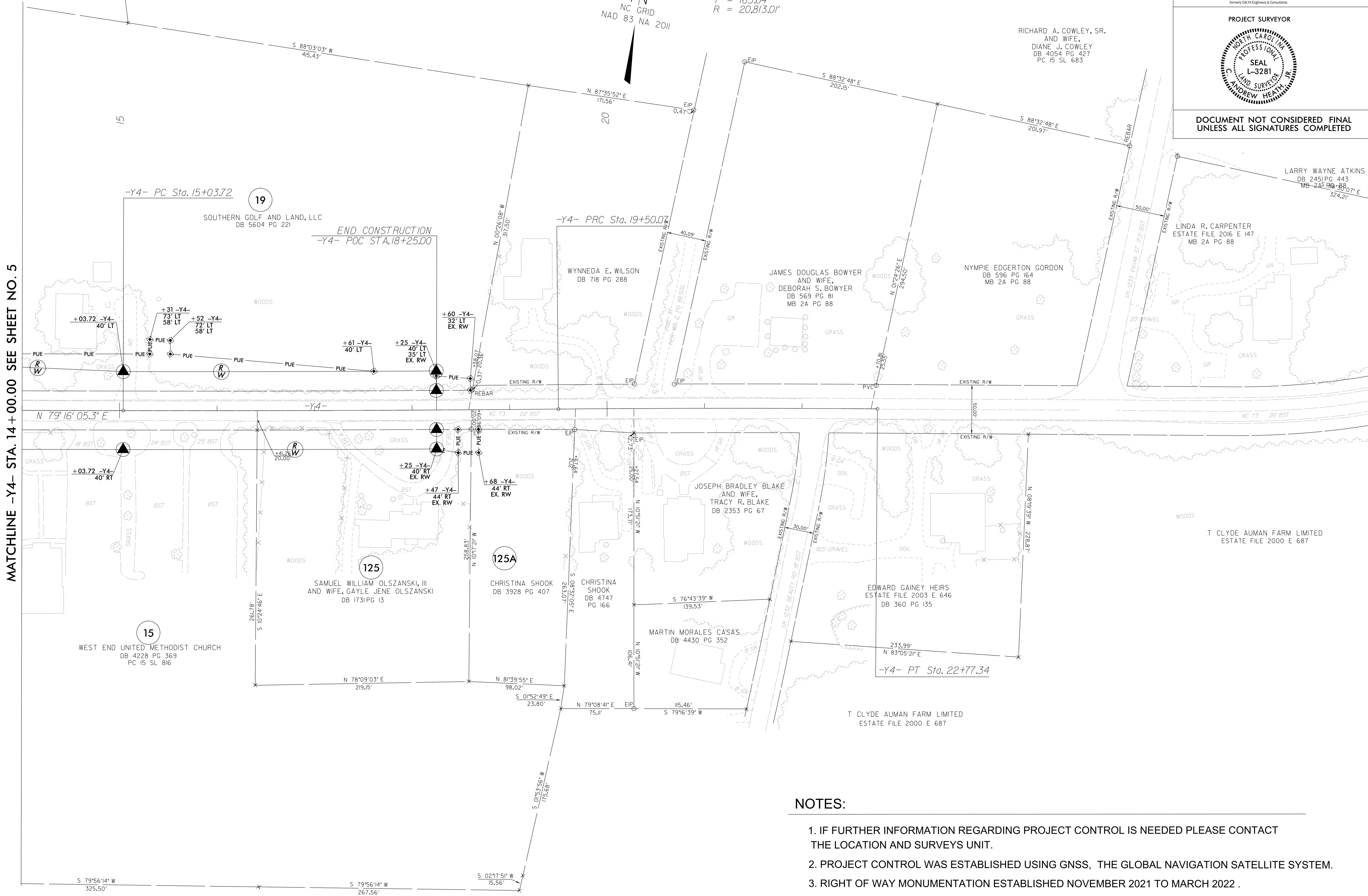
LARRY WAYNE ATKINS
 DB 2451 PG 443
 MB 2A PG 88

LINDA R. CARPENTER
 ESTATE FILE 2016 E 147
 MB 2A PG 88

T CLYDE ALMAN FARM LIMITED
 ESTATE FILE 2000 E 687

-Y4-
 PI Sta. 21+13.71
 $\Delta = 0^{\circ} 54' 03.3''$ (RT)
 D = 0' 16' 31.0"
 L = 327.26'
 T = 163.64'
 R = 20,813.01'

NC GRID
 NAD 83
 NA 2011



MATCHLINE -Y4- STA. 14 + 00.00 SEE SHEET NO. 5

REVISIONS

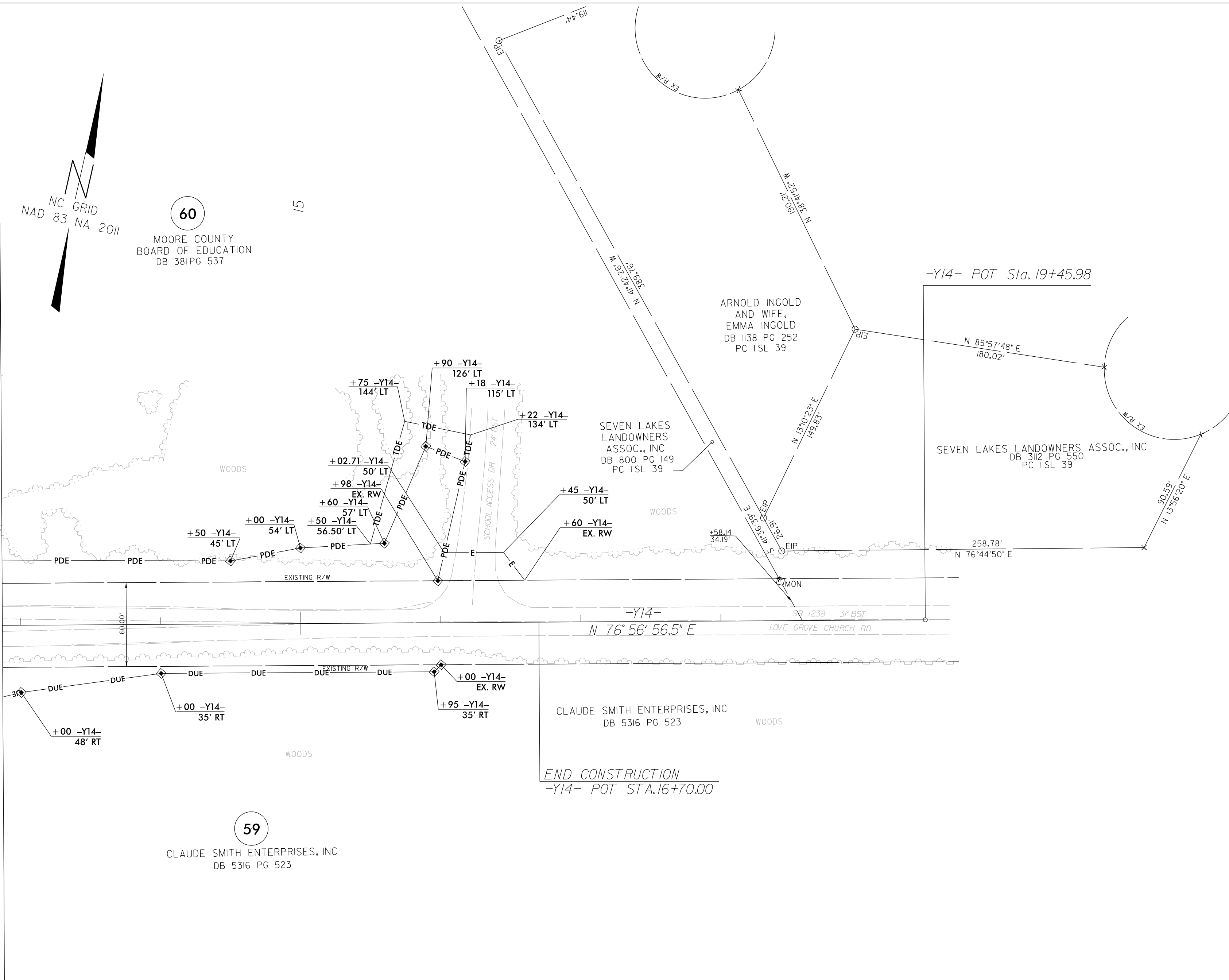
14-MAR-2022 09:11
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 AT NCCAP-GRANS100
 scott@anford

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 NOVEMBER 2021 TO MARCH 2022 .

REVISIONS

MATCHLINE -Y14- STA. 13 + 00.00 SEE SHEET NO. 10



60

MOORE COUNTY BOARD OF EDUCATION
DB 381 PG 537

59

CLAUDE SMITH ENTERPRISES, INC
DB 5316 PG 523

ARNOLD INGOLD AND WIFE,
EMMA INGOLD
DB 1138 PG 252
PC 1SL 39

SEVEN LAKES LANDOWNERS ASSOC., INC
DB 800 PG 149
PC 1SL 39

SEVEN LAKES LANDOWNERS ASSOC., INC
DB 312 PG 550
PC 1SL 39

CLAUDE SMITH ENTERPRISES, INC
DB 5316 PG 523

END CONSTRUCTION
-Y14- POT STA.16+70.00

I, C. Andrew Heath, 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 11/03/2021 to 03/11/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14th day of March, 2022.

C. Andrew Heath, Jr.
Professional Land Surveyor L-3281

PROJECT REFERENCE NO.	SHEET NO.
R-5726	RW25

Location and Surveys

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
CARY, NC 27518
P: 919.851.1912 www.NV5.com

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

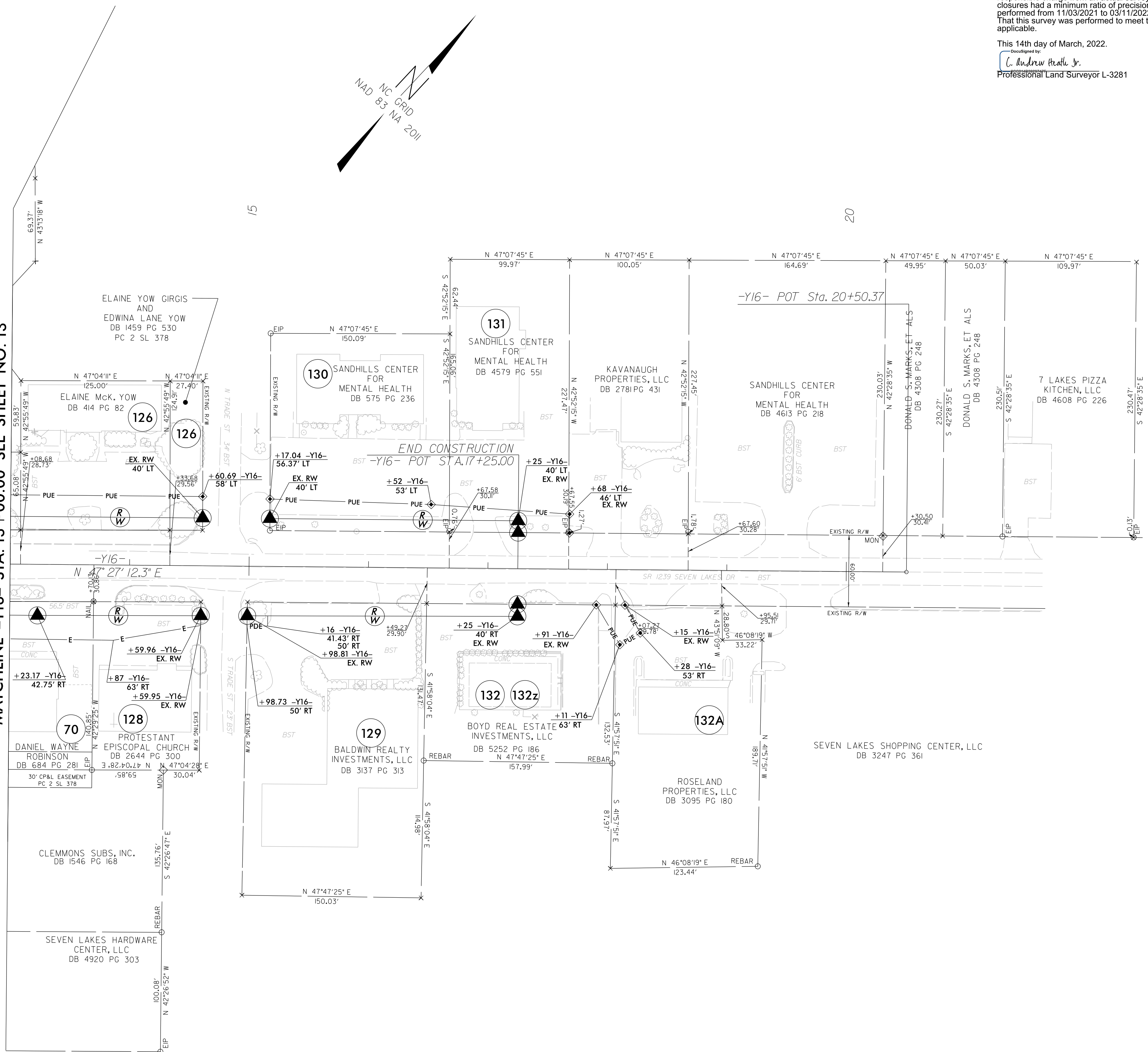
NOTES:

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 NOVEMBER 2021 TO MARCH 2022 .

REVISIONS
REVISIONS

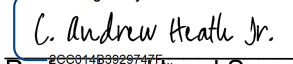
14-MAR-2022 09:19
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scott@cranford.com


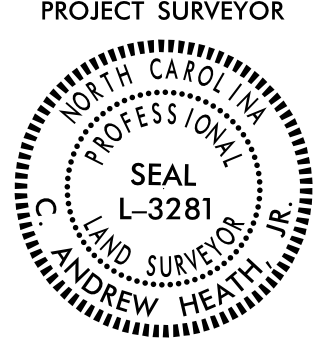
MATCHLINE -Y16- STA. 13 + 00.00 SEE SHEET NO. 13



I, C. Andrew Heath, 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 11/03/2021 to 03/11/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14th day of March, 2022.

Delegated by:

 Professional Land Surveyor L-3281

PROJECT REFERENCE NO. R-5726	SHEET NO. RW26
Location and Surveys	
 NV5 ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARR, NC 27518 P: 919.851.1912 www.NV5.com <small>NC License # F-1333 formerly C&O Engineers & Consultants</small>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

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3. RIGHT OF WAY MONUMENTATION ESTABLISHED NOVEMBER 2021 TO MARCH 2022 .