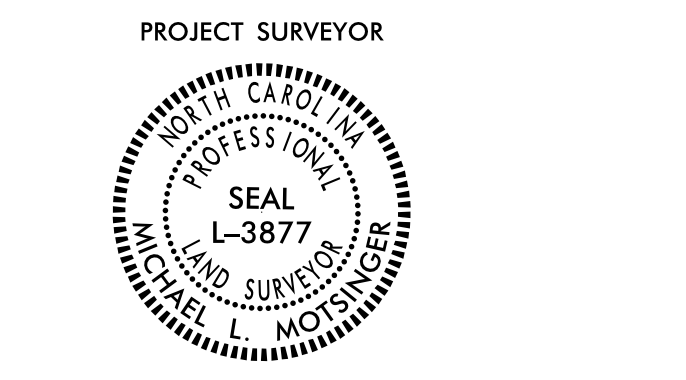


Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

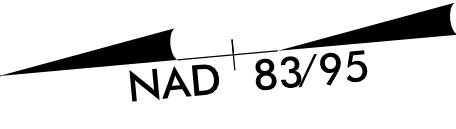
NOTES:

- 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 _____ TO _____.

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.

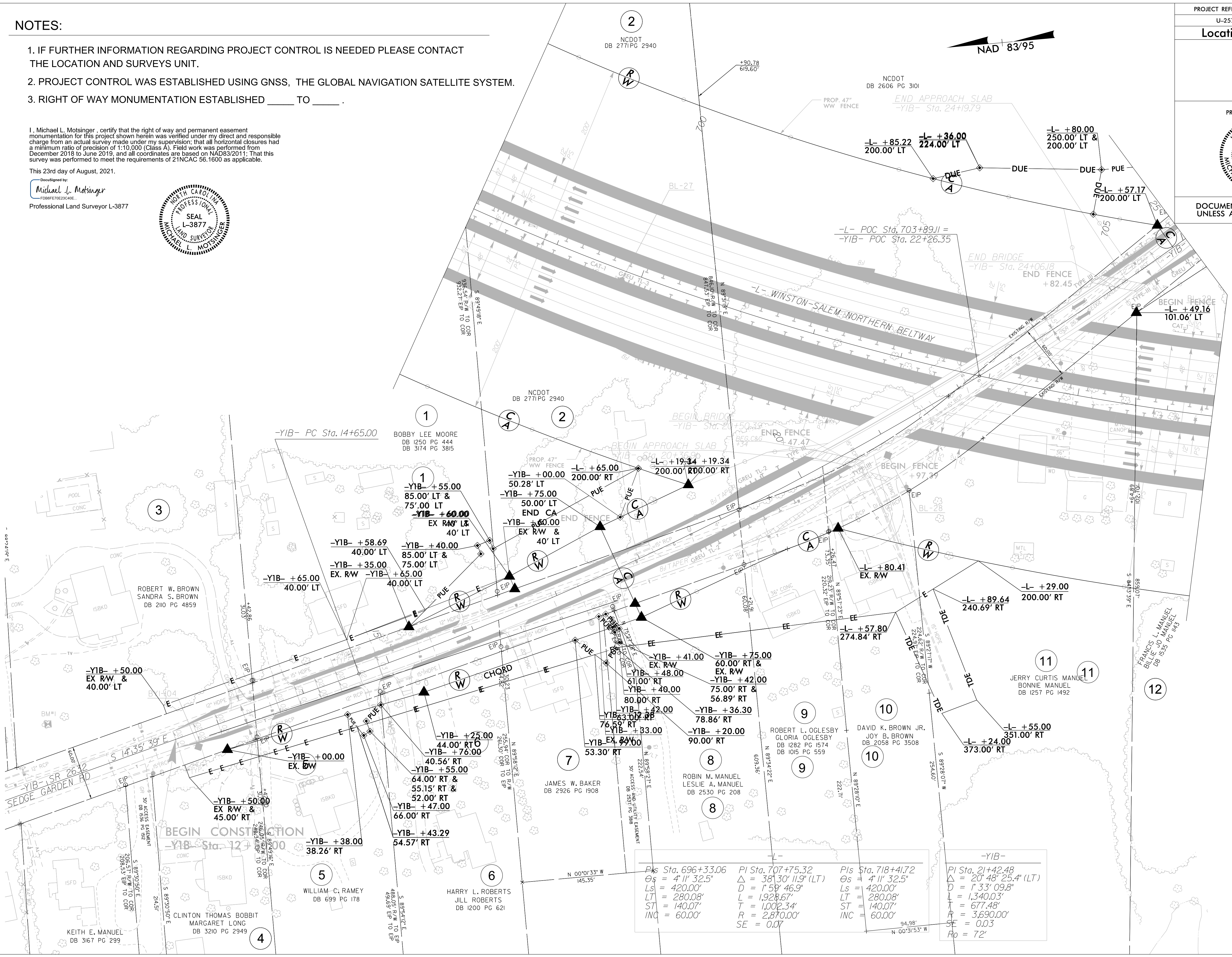
DocuSigned by:
Michael L. Molsinger
Professional Land Surveyor L-3877



REVISIONS

6/2/199

D:\SEP-2021\H20_U2579AB\U2579AB-1.s_rw05A.dgn
mmolsinger

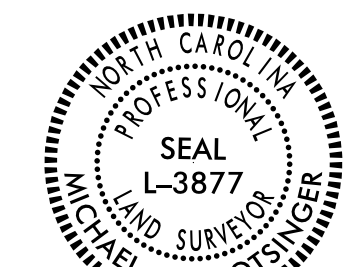


Curve	Stationing	PI	Δ	D	Ls	LT	ST	INC	R	SE
1	Sta. 696+33.06	Sta. 707+75.32	4° 11' 32.5"	38° 30' 11.9" (LT)	1° 59' 46.9"	1,928.67'	140.07'	60.00'	1,002.34'	0.07
2	Sta. 718+41.72	Sta. 729+41.72	4° 11' 32.5"	38° 30' 11.9" (LT)	1° 59' 46.9"	1,928.67'	140.07'	60.00'	1,002.34'	0.07
3	Sta. 21+42.48	Sta. 21+42.48	20° 48' 25.4" (LT)	1° 33' 09.8"	1,340.03'	677.48'	3,690.00'	0.03	72'	

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



<p>PI Sta. 14+02.22 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 14+80.77 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 18+35.16 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 24+39.30 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 24+34.62 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>
---	---	---	---	---

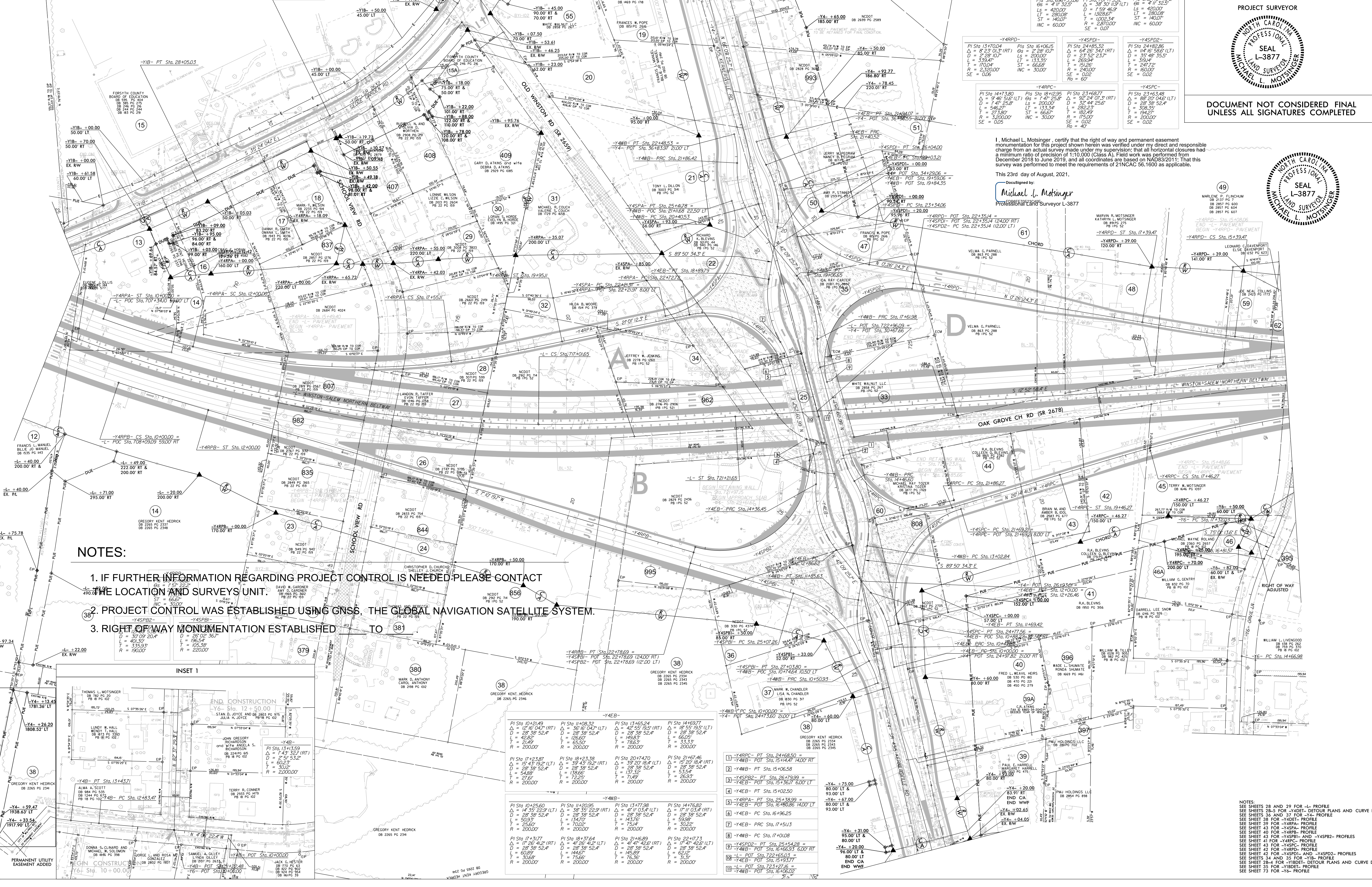
I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from December 2018 to June 2019, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCA6-56.1600 as applicable.

This 23rd day of August, 2021.

Designed by
Michael L. Molsinger
 Professional Land Surveyor L-3877

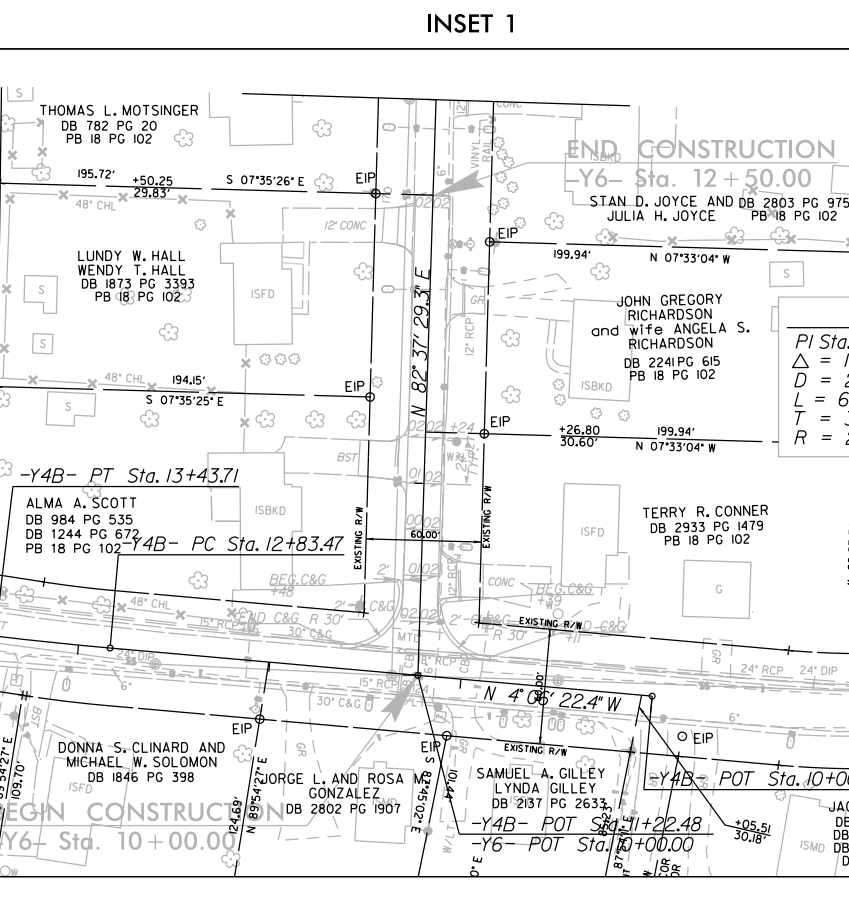
MARKLE P. FLOCHAM
 DB 2157 PC 600
 DB 2851 PC 600
 DB 2851 PC 600
 DB 2851 PC 600

<p>PI Sta. 14+02.22 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 14+80.77 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 18+35.16 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 24+39.30 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 24+34.62 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>
---	---	---	---	---



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 TO 38'



<p>PI Sta. 10+25.80 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 11+20.95 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 13+68.24 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>	<p>PI Sta. 14+69.77 $\Delta = 2'02.152"$ $\Delta = 3'49.135"$ $L = 200.00'$ $T = 10.22'$ $ST = 89.99'$ $INC = 30.00'$ $SE = 0.02'$ $Ro = 72'$</p>
---	---	---	---

- 1] -Y4RCP- PT Sta. 24+68.50
- 2] -Y4RCP- POT Sta. 15+41.84 RT
- 3] -Y4RCP- PT Sta. 15+06.58
- 4] -Y4RCP- PT Sta. 15+02.50
- 5] -Y4RCP- PT Sta. 25+38.99
- 6] -Y4RCP- POT Sta. 16+80.26 1400' RT
- 7] -Y4RCP- POT Sta. 16+80.26
- 8] -Y4RCP- POT Sta. 15+36.71 600' RT
- 9] -Y4RCP- POT Sta. 15+02.50
- 10] -Y4RCP- POT Sta. 15+02.50
- 11] -Y4RCP- POT Sta. 15+02.50

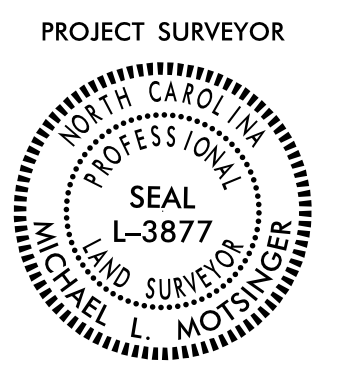
REVISIONS

0:\SEP-2021\136_12579AB\U-2579AB-1.s.t-rw06.dgn
 mmolsinger

Location and Surveys

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCA 56.1600 as applicable.

This 23rd day of August, 2021.
 Documented by:
Michael L. Molsinger
 Professional Land Surveyor L-3877

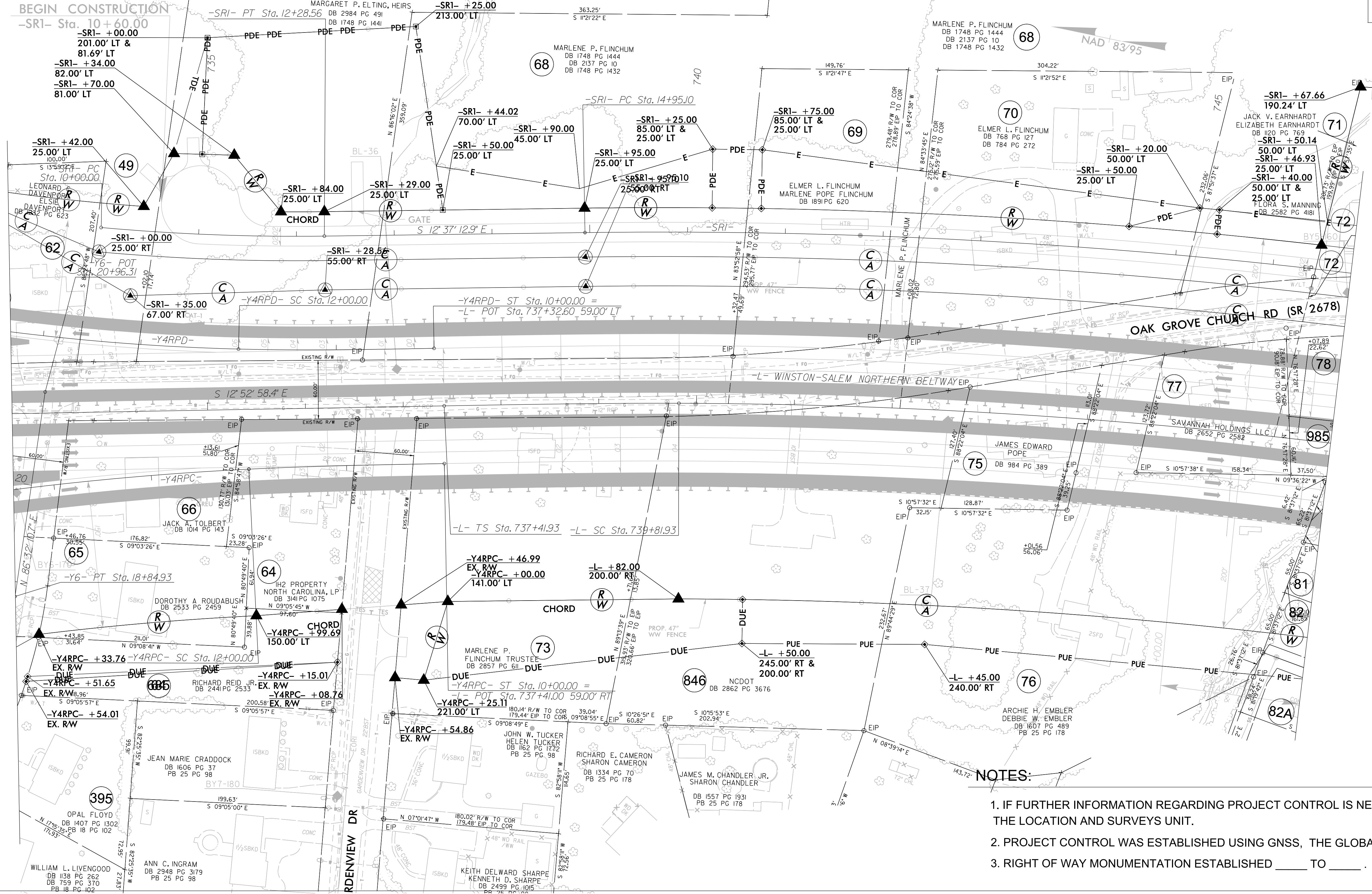


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y4RPC-		-Y4RPD-	
Pls Sta 11+33.34 Δs = 1' 47' 25.8" Ls = 200.00' LT = 133.34' ST = 66.67' INC = 30.00'	Pls Sta 14+73.80 Δs = 9' 46' 51.6" Ls = 200.00' LT = 133.35' ST = 66.68' INC = 30.00' SE = 0.05	Pls Sta 11+33.35 Δs = 2' 28' 10.7" Ls = 200.00' LT = 133.35' ST = 66.68' INC = 30.00'	Pls Sta 13+70.04 Δs = 8' 23' 01.3" (RT) Ls = 200.00' LT = 133.35' ST = 66.68' INC = 30.00' SE = 0.06

-L-		
Pls Sta. 739+01.93 Δs = 1' 11' 52.2" Ls = 240.00' LT = 160.00' ST = 80.00' INC = 60.00'	Pls Sta. 746+86.55 Δs = 13' 59' 48.4" (RT) Ls = 240.00' LT = 160.00' ST = 80.00' INC = 60.00'	Pls Sta. 754+64.16 Δs = 1' 11' 52.2" Ls = 240.00' LT = 160.00' ST = 80.00' INC = 60.00'

-SRI-		
Pls Sta 11+44.38 Δs = 5' 56' 30.1" (LT) Ls = 228.56' LT = 114.38' R = 2,204.00'	Pls Sta 19+47.11 Δs = 8' 44' 23.3" (RT) Ls = 902.27' LT = 452.01' R = 5,915.00'	Pls Sta 26+31.07 Δs = 5' 02' 59.0" (LT) Ls = 467.11' LT = 233.71' R = 5,300.00'



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 _____ TO _____.

REVISIONS

0:\SEP_2021\1316_U-2579AB\U-2579AB.LS-rw07.dgn
 M. Molsinger

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

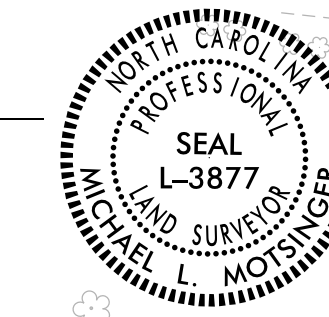


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

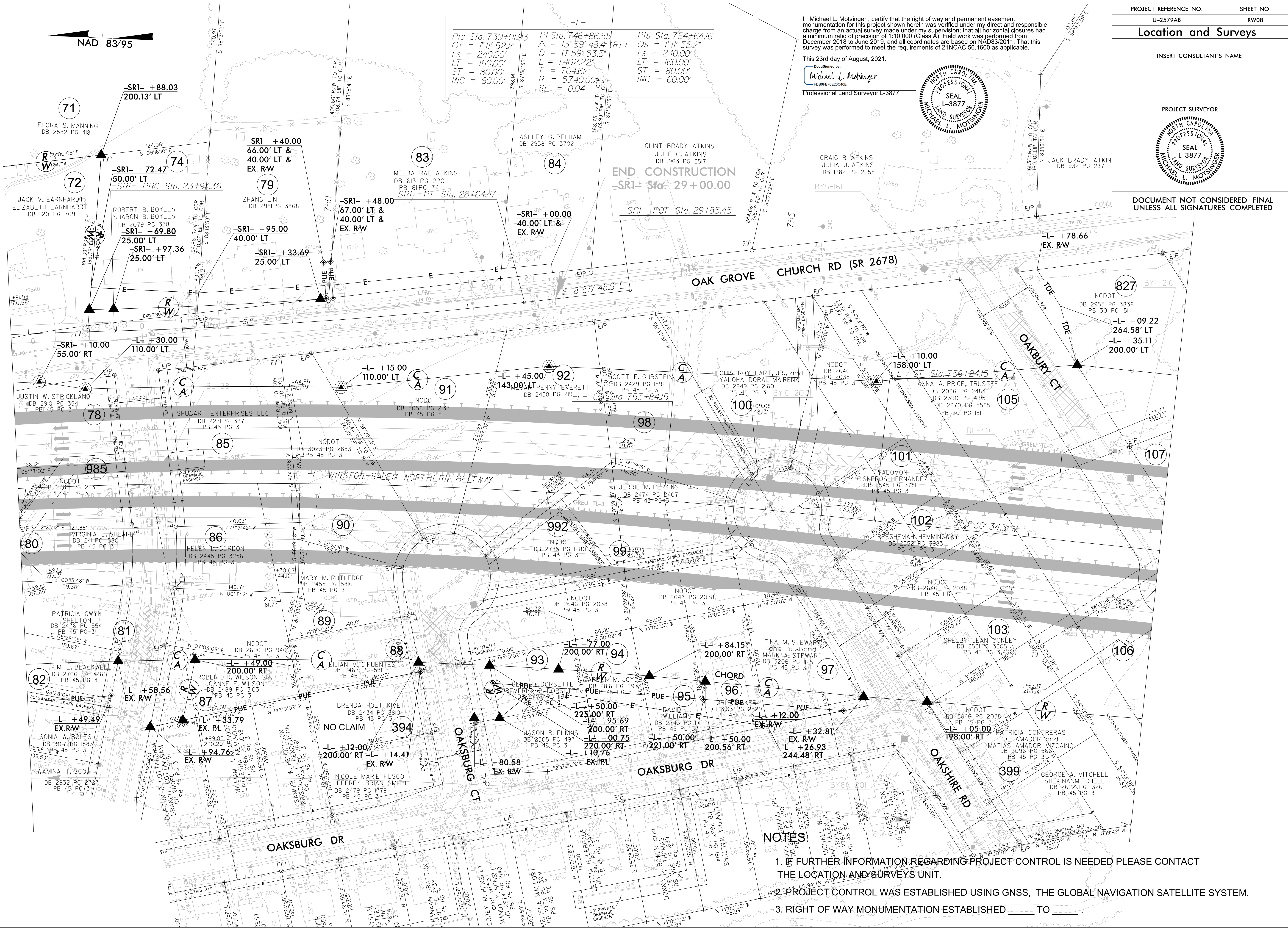
I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from December 2018 to June 2019, 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 August, 2021.

Designed by: Michael L. Molsinger Professional Land Surveyor L-3877



Curve data tables for stations 739+01.93, 746+86.55, and 754+64.16, including values for theta, delta, D, Ls, LT, ST, INC, and R.



REVISIONS

NOTES:

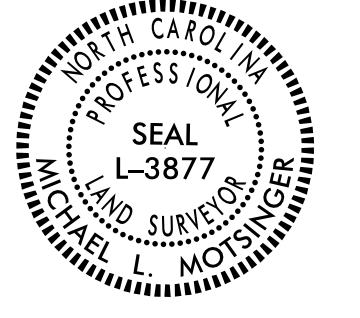
- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED TO

Vertical text on the left margin containing project details and the surveyor's name.

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

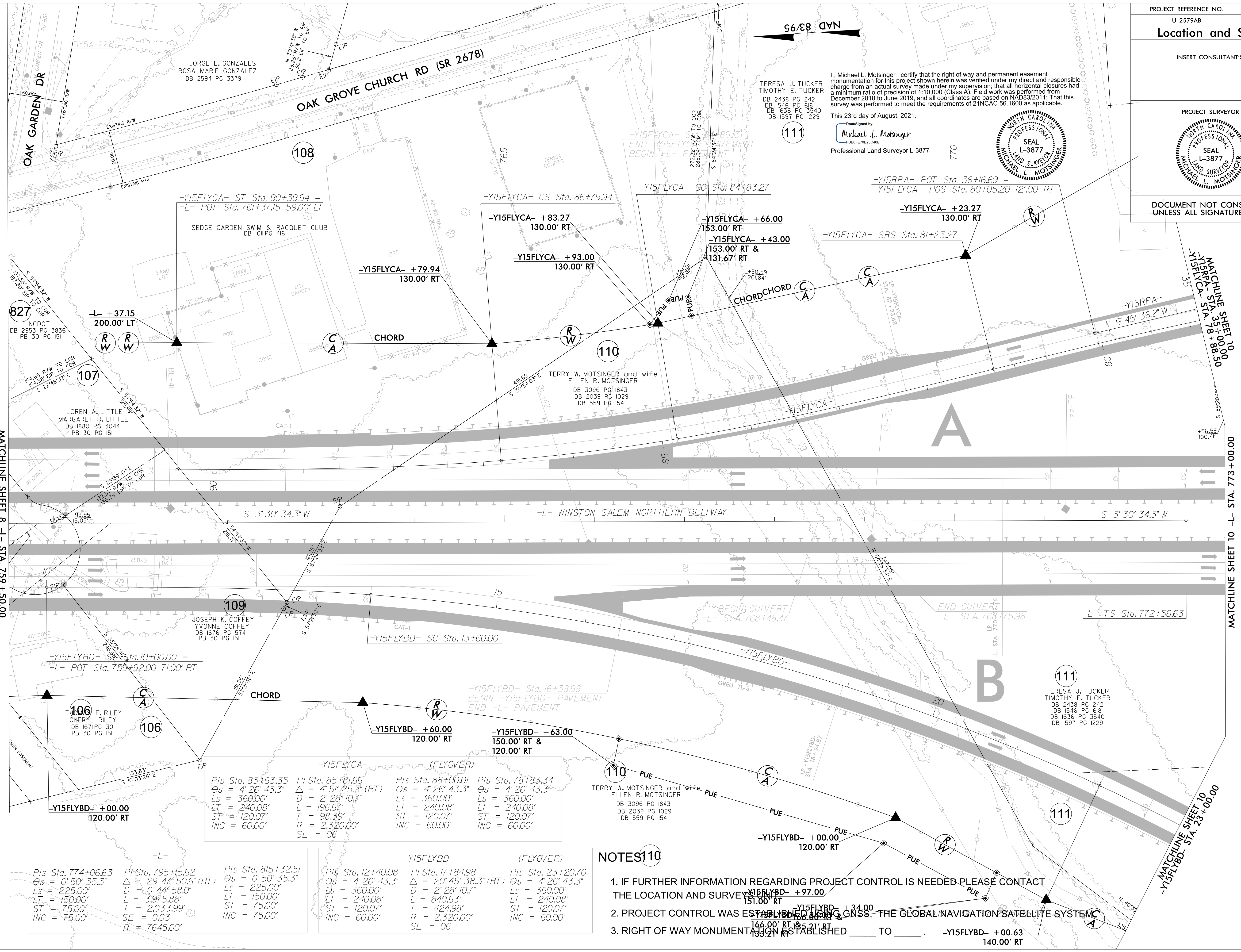


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.
 Signed by: *Michael L. Molsinger*
 Professional Land Surveyor L-3877

TERESA J. TUCKER
 TIMOTHY E. TUCKER
 DB 2438 PG 242
 DB 1546 PG 618
 DB 1636 PG 3540
 DB 1597 PG 1229



-L-		-Y15FLYBD- (FLYOVER)	
Pls Sta. 774+06.63	PI Sta. 795+15.62	Pls Sta. 12+40.08	PI Sta. 17+84.98
Os = 0° 50' 35.3"	Δ = 29° 47' 50.6" (RT)	Os = 4° 26' 43.3"	Δ = 20° 45' 38.3" (RT)
Ls = 225.00'	D = 0° 44' 58.0"	Ls = 360.00'	D = 2° 28' 10.7"
LT = 150.00'	L = 3,975.88'	LT = 240.08'	L = 840.63'
ST = 75.00'	ST = 2,033.99'	ST = 120.07'	T = 424.98'
INC = 75.00'	SE = 0.03	INC = 60.00'	R = 2,320.00'
	R = 7645.00'	SE = 06	INC = 60.00'

NOTES

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEY ENGINEER.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION IS ESTABLISHED TO _____ TO _____.

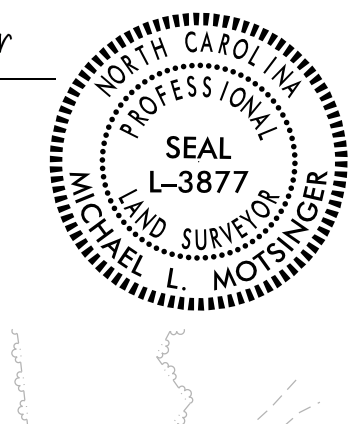
6/2/09
 REVISIONS
 MATCHLINE SHEET 8 -L- STA. 759 + 50.00
 MATCHLINE SHEET 10 -L- STA. 773 + 00.00
 MATCHLINE SHEET 10 -Y15FLYBD- STA. 23 + 00.00
 MATCHLINE SHEET 10 -Y15FLYCA- STA. 78 + 88.50
 MATCHLINE SHEET 10 -Y15RPA- STA. 95 + 00.00
 3:11:16:2019 09:55:55 U:\2579AB\U2579AB.Ls.rw09.dgn
 mmolsinger

Location and Surveys

INSERT CONSULTANT'S NAME

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.

DocuSigned by: Michael L. Molsinger Professional Land Surveyor L-3877

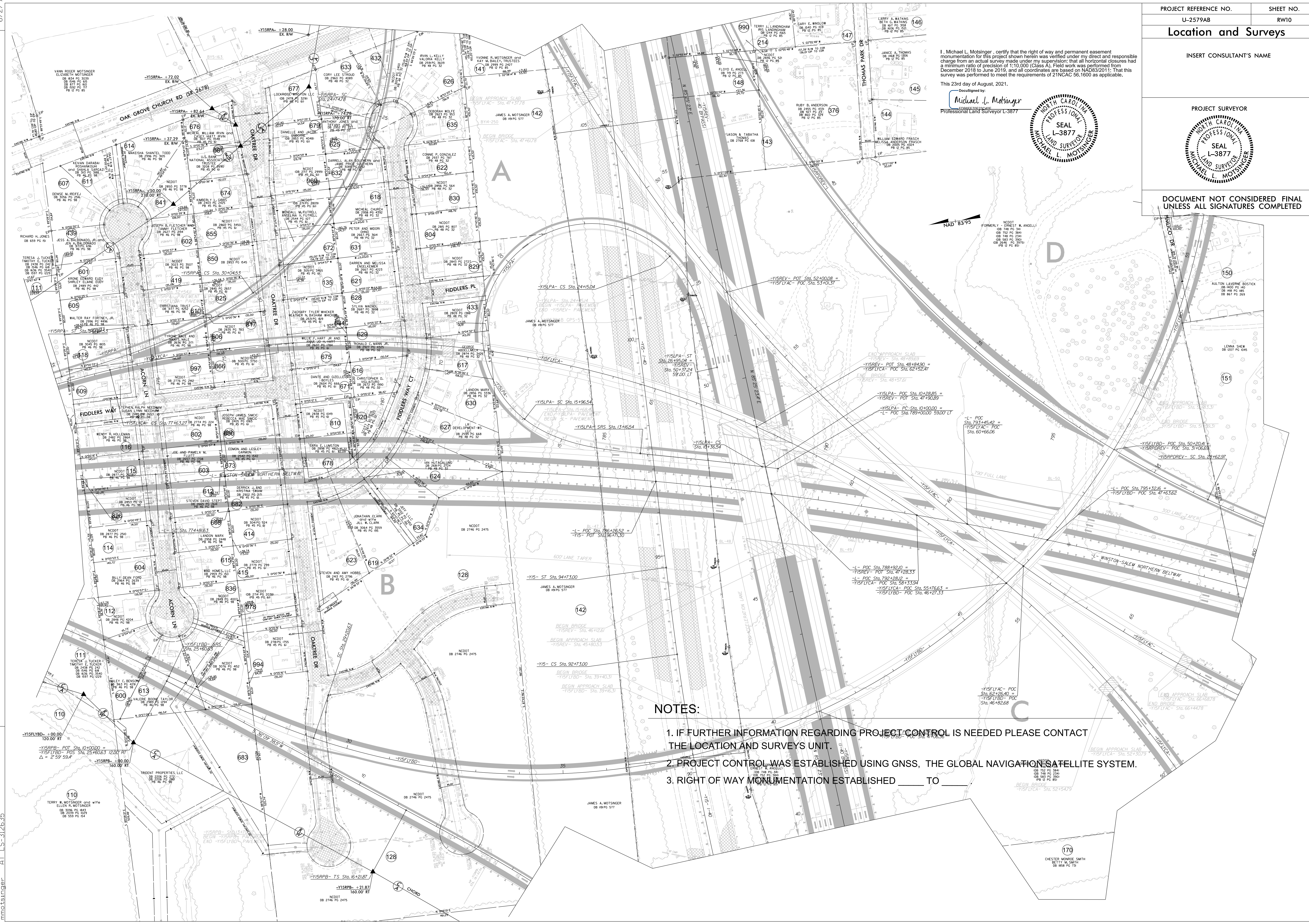


PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS



NOTES:

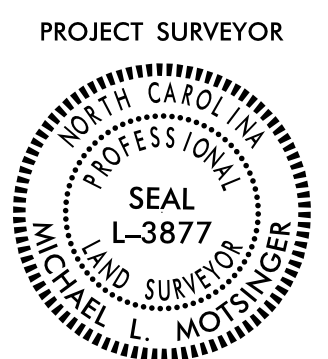
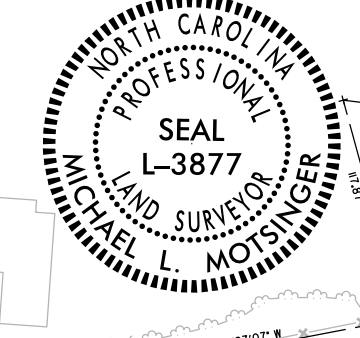
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____

PLAN: 2019/08/06 U-2579AB.Ls.-RW10.dgn
C:\Users\mmolsinger\OneDrive\Work\U-2579AB.Ls.-RW10.dgn
mmolsinger

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

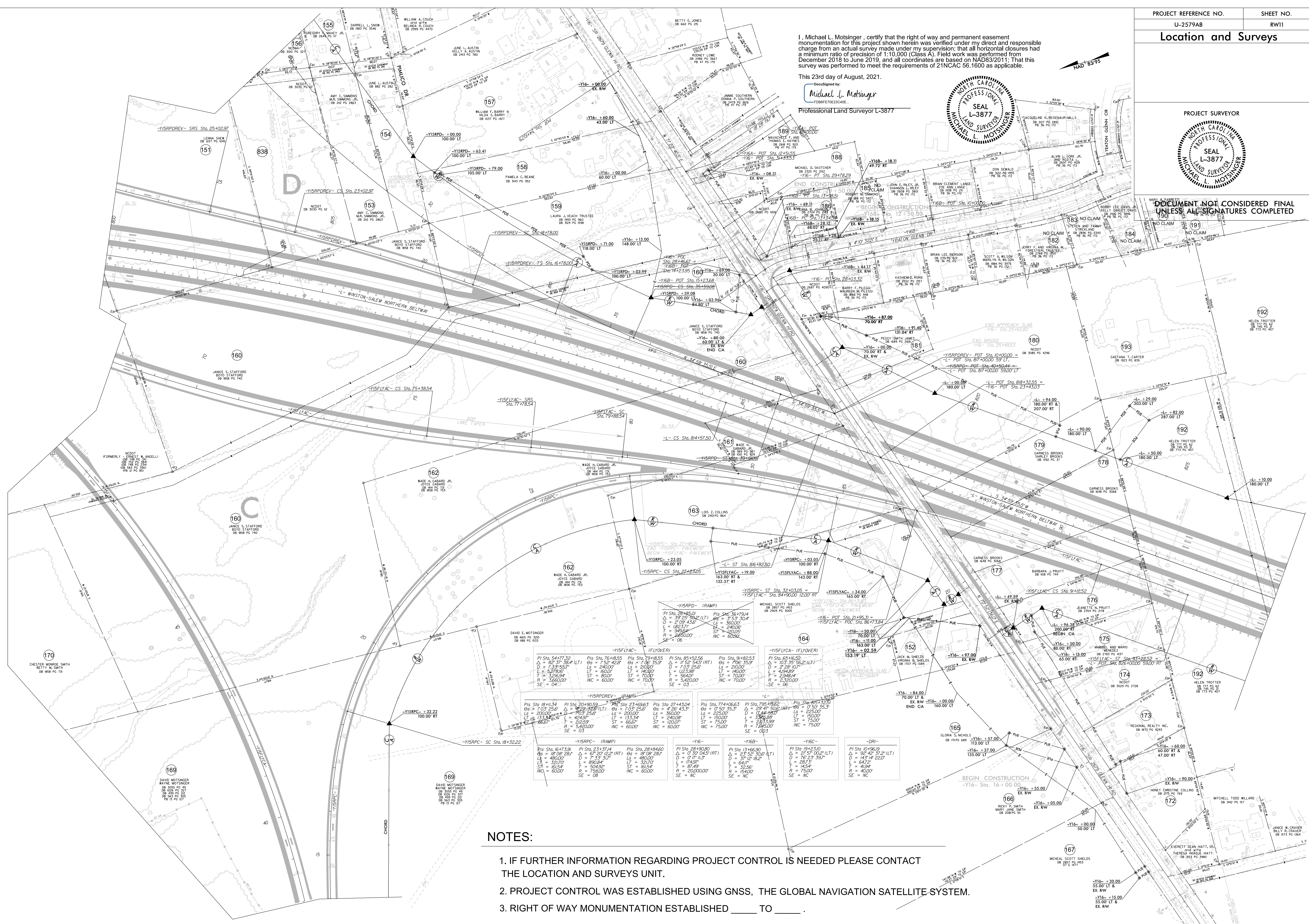
This 23rd day of August, 2021.

Designed by:
Michael L. Molsinger
 Professional Land Surveyor L-3877



**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**


REVISIONS



NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

PLAN: 2019 (P) U-2579AB U-2579AB L.S. RW11.dgn
 M. Molsinger
 6/2/19

PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	RW12
Location and Surveys	
INSERT CONSULTANT'S NAME	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

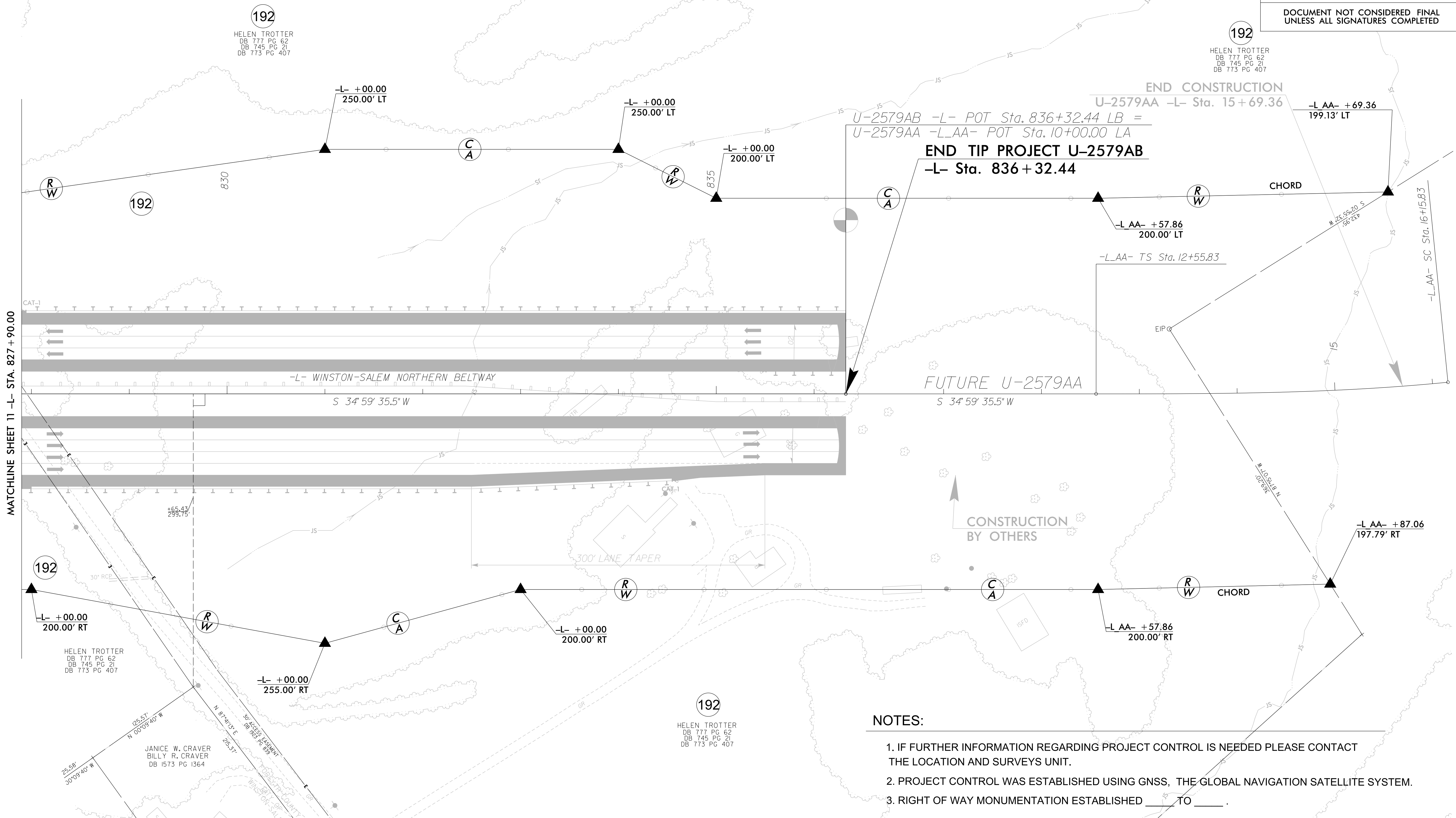
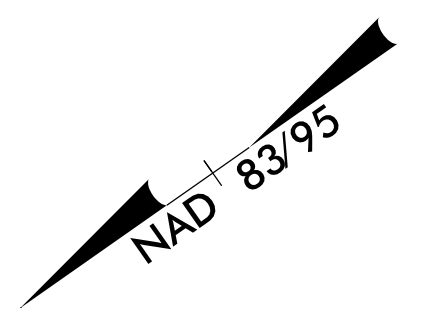
This 23rd day of August, 2021.

DocuSigned by:
Michael L. Motsinger
Professional Land Surveyor L-3877



192
HELEN TROTTER
DB 777 PG 62
DB 745 PG 21
DB 773 PG 407

192
HELEN TROTTER
DB 777 PG 62
DB 745 PG 21
DB 773 PG 407



- 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 _____ TO _____.

REVISIONS

3:\AUG-2021\0857-11\11\11\Winston\11\11\11\Computer-Urban\U-2579ab\Right of Way\RW Ctl Sheets 2020\Julie\to be checked\U-2579ab.ls.rwl2.dgn
 AT 11:53:26
 3:\AUG-2021\0857-11\11\11\Winston\11\11\11\Computer-Urban\U-2579ab\Right of Way\RW Ctl Sheets 2020\Julie\to be checked\U-2579ab.ls.rwl2.dgn

MATCHLINE SHEET 11 -L- STA. 827 + 90.00

HELEN TROTTER
DB 777 PG 62
DB 745 PG 21
DB 773 PG 407


JANICE W. CRAVER
BILLY R. CRAVER
DB 1573 PG 1364

192
HELEN TROTTER
DB 777 PG 62
DB 745 PG 21
DB 773 PG 407

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR

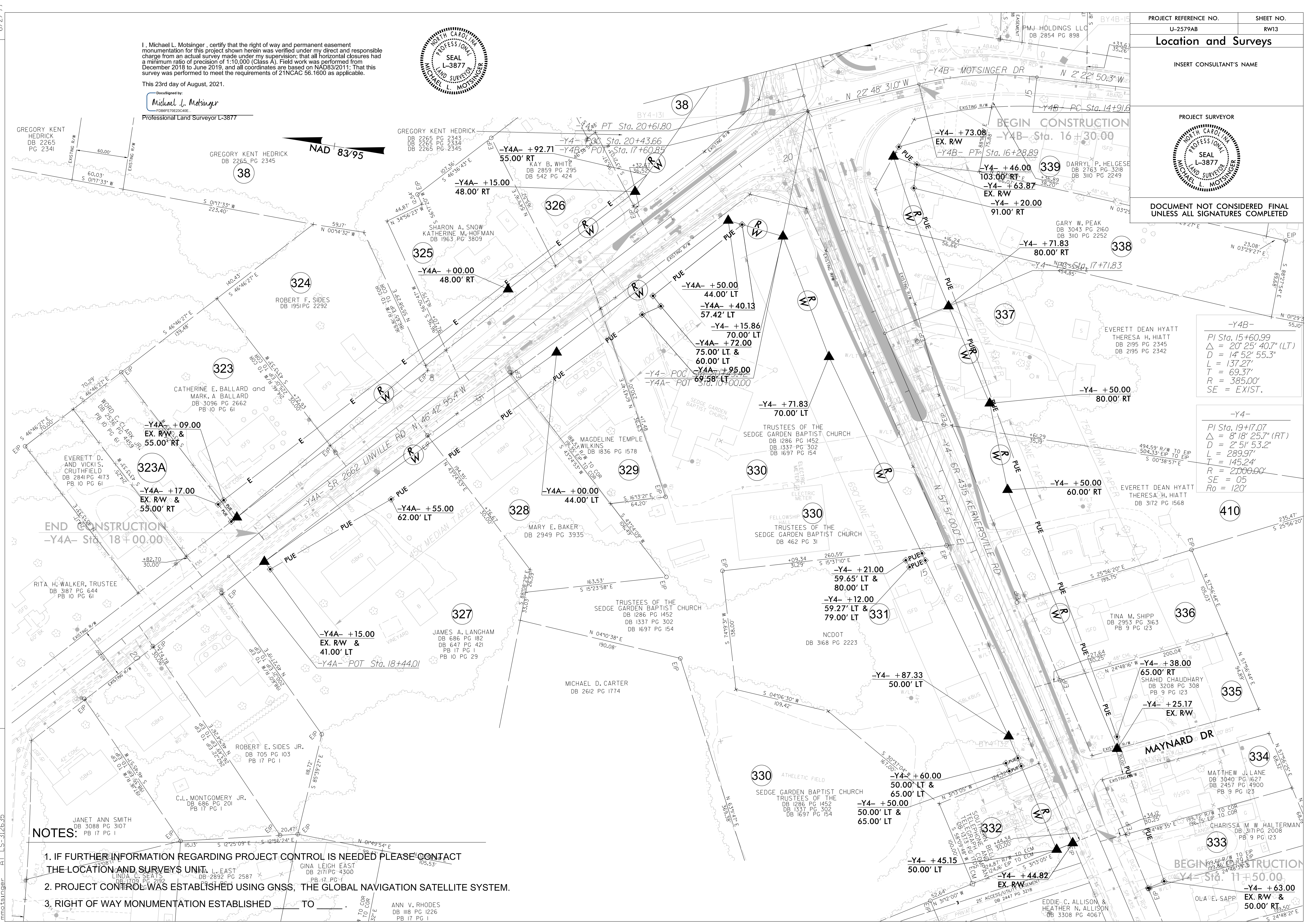
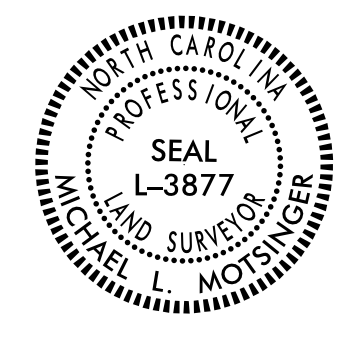


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.

DocuSigned by:
Michael L. Molsinger
 FORMFTR23246
 Professional Land Surveyor L-3877



-Y4B-
 PI Sta. 15+60.99
 $\Delta = 20' 25" 40.7" (LT)$
 $D = 14' 52" 55.3"$
 $L = 137.27'$
 $T = 69.37'$
 $R = 385.00'$
 $SE = EXIST.$

-Y4-
 PI Sta. 19+17.07
 $\Delta = 8' 18" 25.7" (RT)$
 $D = 2' 51" 53.2"$
 $L = 289.97'$
 $T = 145.24'$
 $R = 2,000.00'$
 $SE = 05$
 $Ro = 120'$

- 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 TO _____

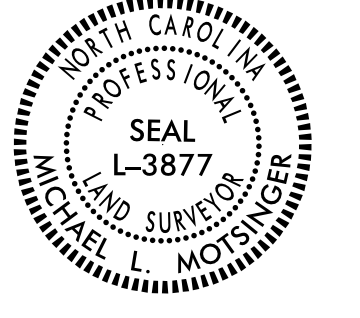
REVISIONS

3-AUG-2021 13:16 U:\2579AB\U2579AB.Ls.rw13.dgn
 Michael Molsinger AT LS-312635

Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELIZABETH P. JOYNER
DENNIS MICHAEL JOYNER
DB 1963 PG 3204
PB 9 PG 98
S 67°11'42" W
S 67°11'42" W

CURTIS LEE HUNDLEY
LISA LEONTINE HUNDLEY
DB 2079 PG 2249
PB 9 PG 98
N 69°39'20" E
146.88'

JOSHUA SCOTT KUEIDER
DB 3138 PG 1740
PB 9 PG 98
N 90°07'29" E
100.37'

DELORES S. CLARKE
CARL L. CLARKE
DB 675 PG 118
PB 9 PG 98
REFERENCE
DB 305 PG 88 EIP
N 67°13'23" E
100.00'

MICHAEL J. SAPP
DB 376 PG 57
REFERENCE:
DB 394 PG 130
N 72°38'27" W
234.27'

RICKY L. OAKLEY
DB 2934 PG 3500
N 12°48'46" E
314.46'

DONALD W. MANUEL
JEFFREY L. MANUEL
DB 2316 PG 1065
PB 9 PG 98
N 63°55'16" E
100.00'

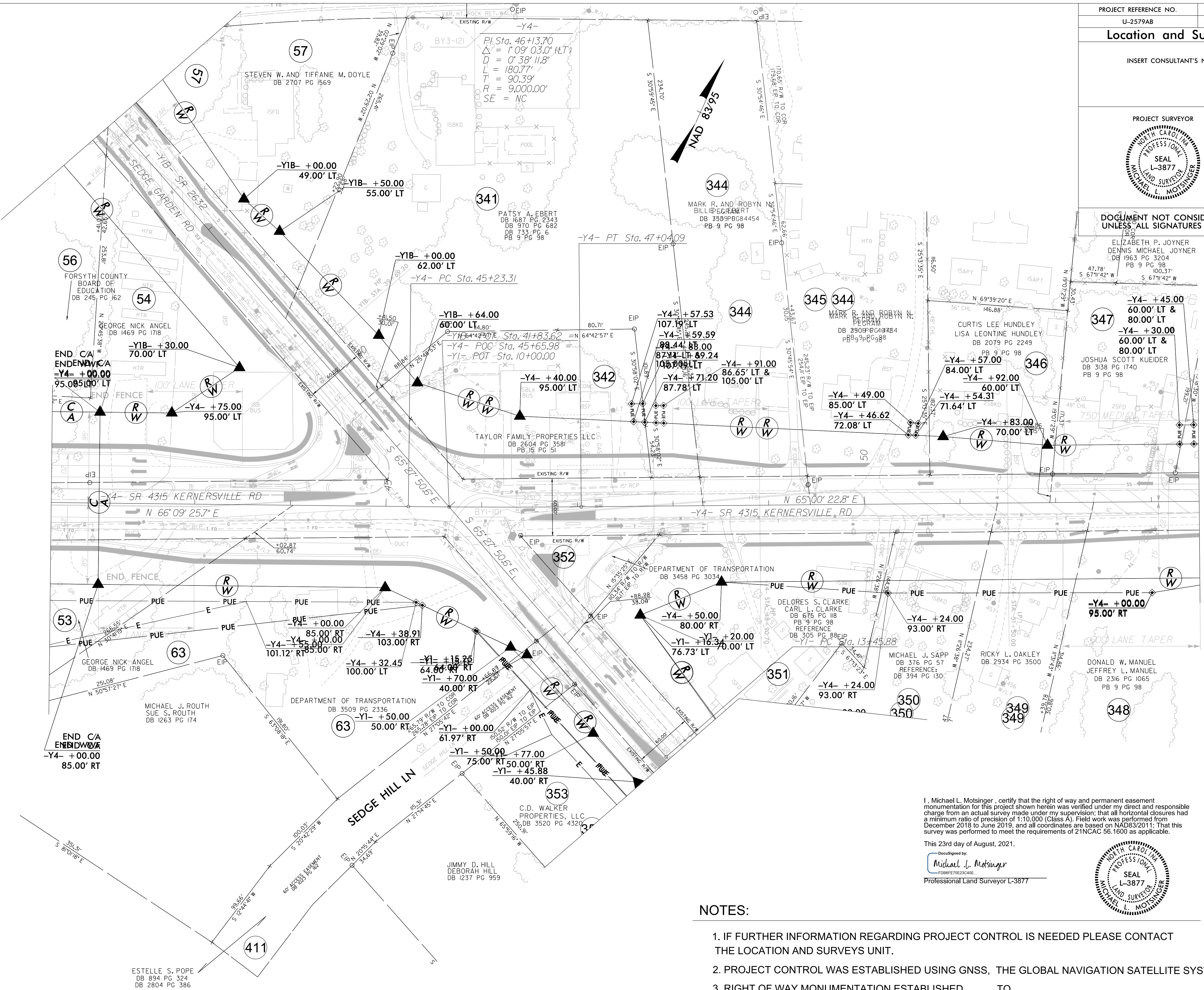


I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from December 2018 to June 2019, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCA 56.1600 as applicable.

This 23rd day of August, 2021.
Signed by:
Michael L. Molsinger
Professional Land Surveyor L-3877

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 _____ TO _____.



REVISIONS

6/2/19

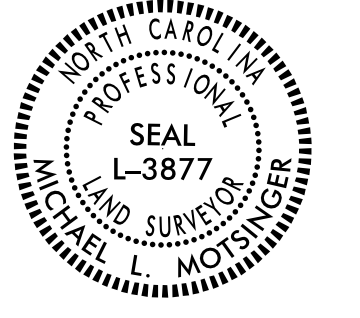
21 AUG 2021 13:38 U:\2579AB\U2579AB.Ls_r\14A.dgn
mmolsinger

ESTELLE S. POPE
DB 894 PG 324
DB 2804 PG 386

Location and Surveys

INSERT CONSULTANT'S NAME

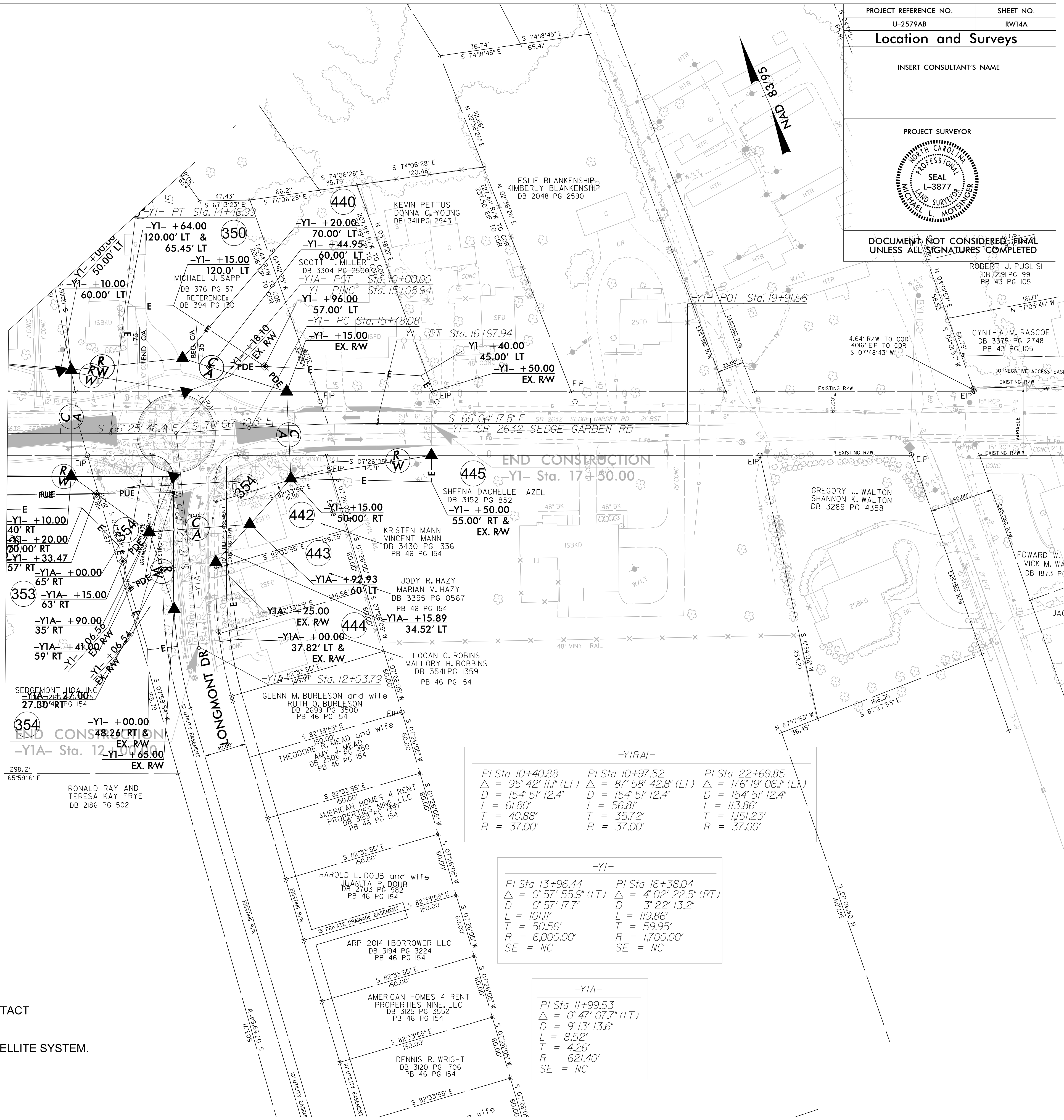
PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROBERT J. PUGLISI
DB 2191 PG 99
PB 43 PG 105

CYNTHIA M. RASCOE
DB 3375 PG 2748
PB 43 PG 105



-YIRAI-

PI Sta 10+40.88 Δ = 95° 42' 11.1" (LT) D = 154' 51' 12.4" L = 61.80' T = 40.88' R = 37.00'	PI Sta 10+97.52 Δ = 87° 58' 42.8" (LT) D = 154' 51' 12.4" L = 56.81' T = 35.72' R = 37.00'	PI Sta 22+69.85 Δ = 176° 19' 06.1" (LT) D = 154' 51' 12.4" L = 113.86' T = 151.23' R = 37.00'
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-YI-

PI Sta 13+96.44 Δ = 0° 57' 55.9" (LT) D = 0° 57' 17.7" L = 1011' T = 50.56' R = 6,000.00' SE = NC	PI Sta 16+38.04 Δ = 4° 02' 22.5" (RT) D = 3° 22' 13.2" L = 119.86' T = 59.95' R = 1,700.00' SE = NC
---	---

-YIA-

PI Sta 11+99.53 Δ = 0° 47' 07.7" (LT) D = 9° 13' 13.6" L = 8.52' T = 4.26' R = 621.40' SE = NC
--

REVISIONS

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.
DocuSigned by:
Michael L. Motsinger
Professional Land Surveyor L-3877

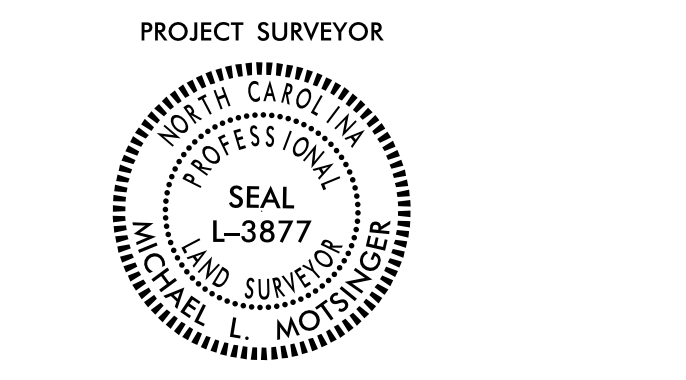


NOTES:

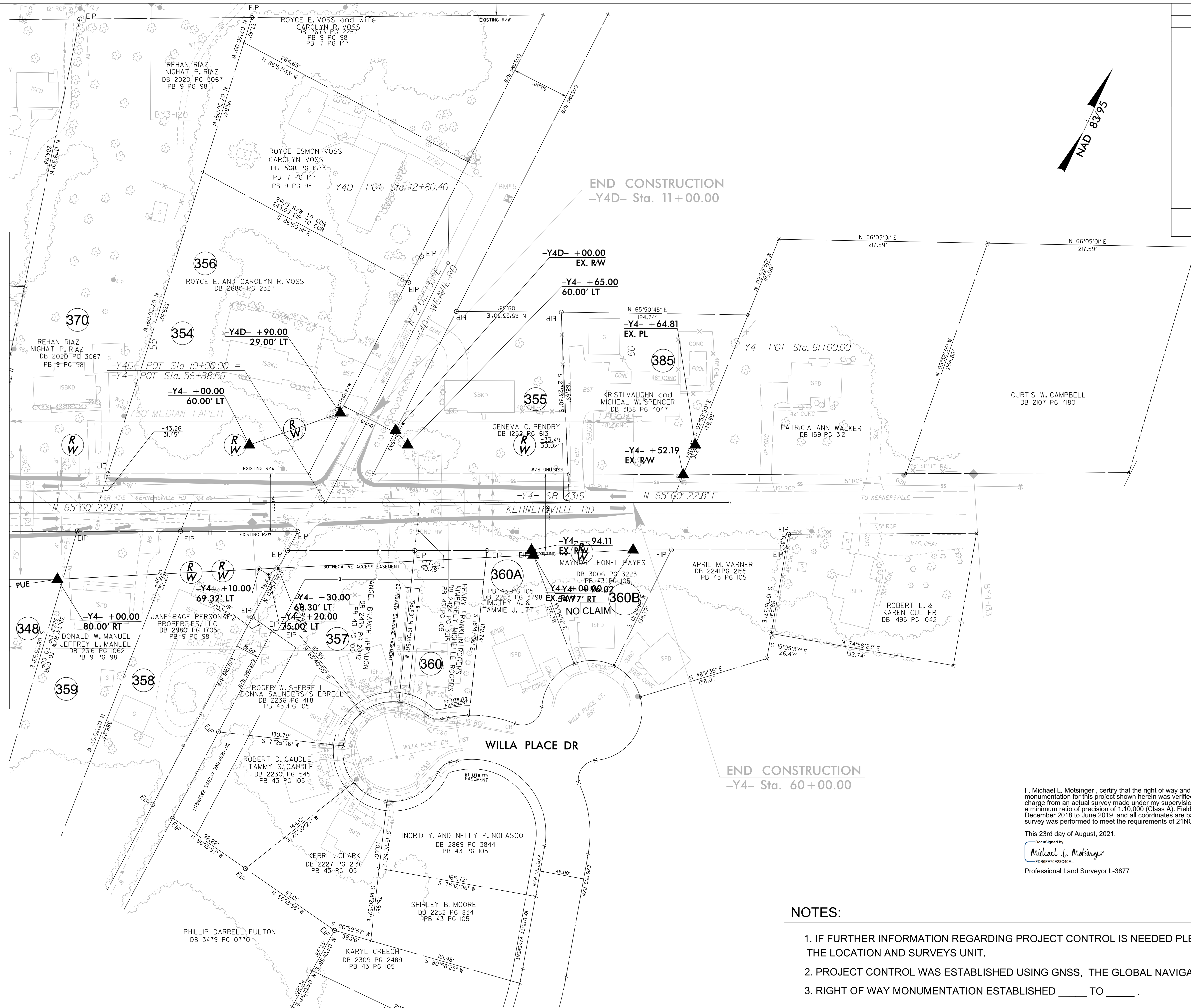
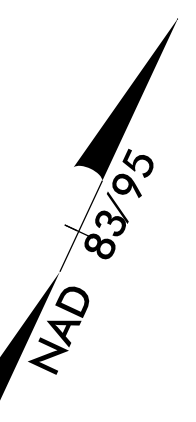
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

Location and Surveys

INSERT CONSULTANT'S NAME



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

6/2/09

U:\2021\15155\2579AB\15155-2579AB-15155-312635.dgn
mmotsinger

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.

Michael L. Motsinger
Professional Land Surveyor L-3877

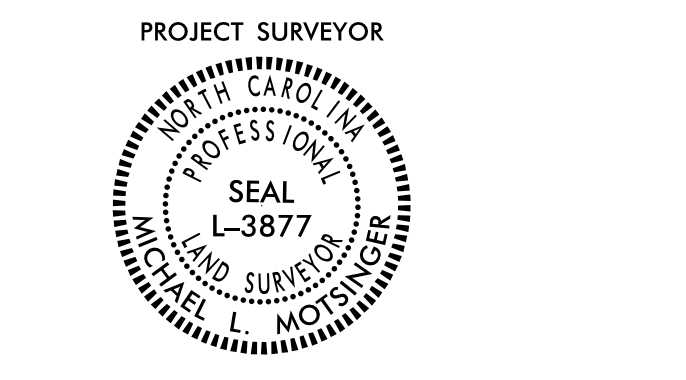


NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

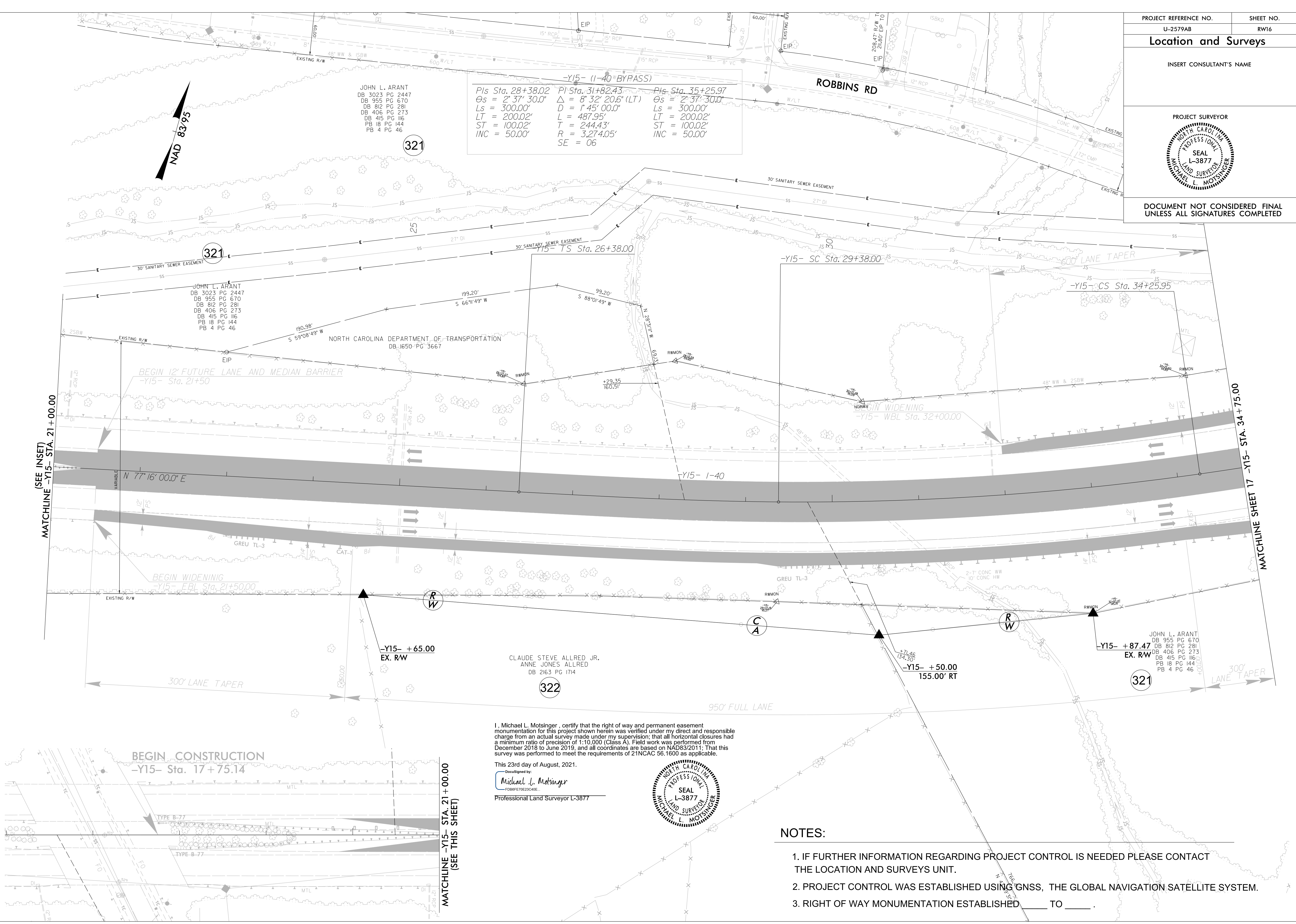
Location and Surveys

INSERT CONSULTANT'S NAME



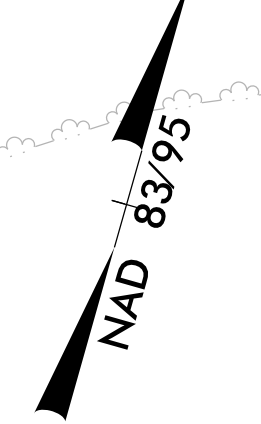
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

6/2/19



-Y15- (I-40) BYPASS

Pls Sta. 28+38.02	PI Sta. 31+82.43	Pls Sta. 35+25.97
$\theta_s = 2^\circ 37' 30.0''$	$\Delta = 8^\circ 32' 20.6''$ (LT)	$\theta_s = 2^\circ 37' 30.0''$
$L_s = 300.00'$	$D = 1^\circ 45' 00.0''$	$L_s = 300.00'$
$LT = 200.02'$	$L = 487.95'$	$LT = 200.02'$
$ST = 100.02'$	$T = 244.43'$	$ST = 100.02'$
$INC = 50.00'$	$R = 3,274.05'$	$INC = 50.00'$
	$SE = 06$	



JOHN L. ARANT
DB 3023 PG 2447
DB 955 PG 670
DB 812 PG 281
DB 406 PG 273
DB 415 PG 116
PB 18 PG 144
PB 4 PG 46

JOHN L. ARANT
DB 3023 PG 2447
DB 955 PG 670
DB 812 PG 281
DB 406 PG 273
DB 415 PG 116
PB 18 PG 144
PB 4 PG 46

JOHN L. ARANT
DB 955 PG 670
DB 812 PG 281
DB 406 PG 273
DB 415 PG 116
PB 18 PG 144
PB 4 PG 46

CLAUDE STEVE ALLRED JR.
ANNE JONES ALLRED
DB 2163 PG 1714

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.
DocuSigned by:
Michael L. Molsinger
F0B6F7E23C4DE...
Professional Land Surveyor L-3877



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 _____ TO _____.


REVISIONS

31 AUG 2020 08:24 Winston\CL\ITS Computer\Urban\2579ab\Right of Way\RW Ctl Sheets 2020\Julie\to be checked\U2579ab.ls_rwl6.dgn
 AT TS-312556 Joburdeville

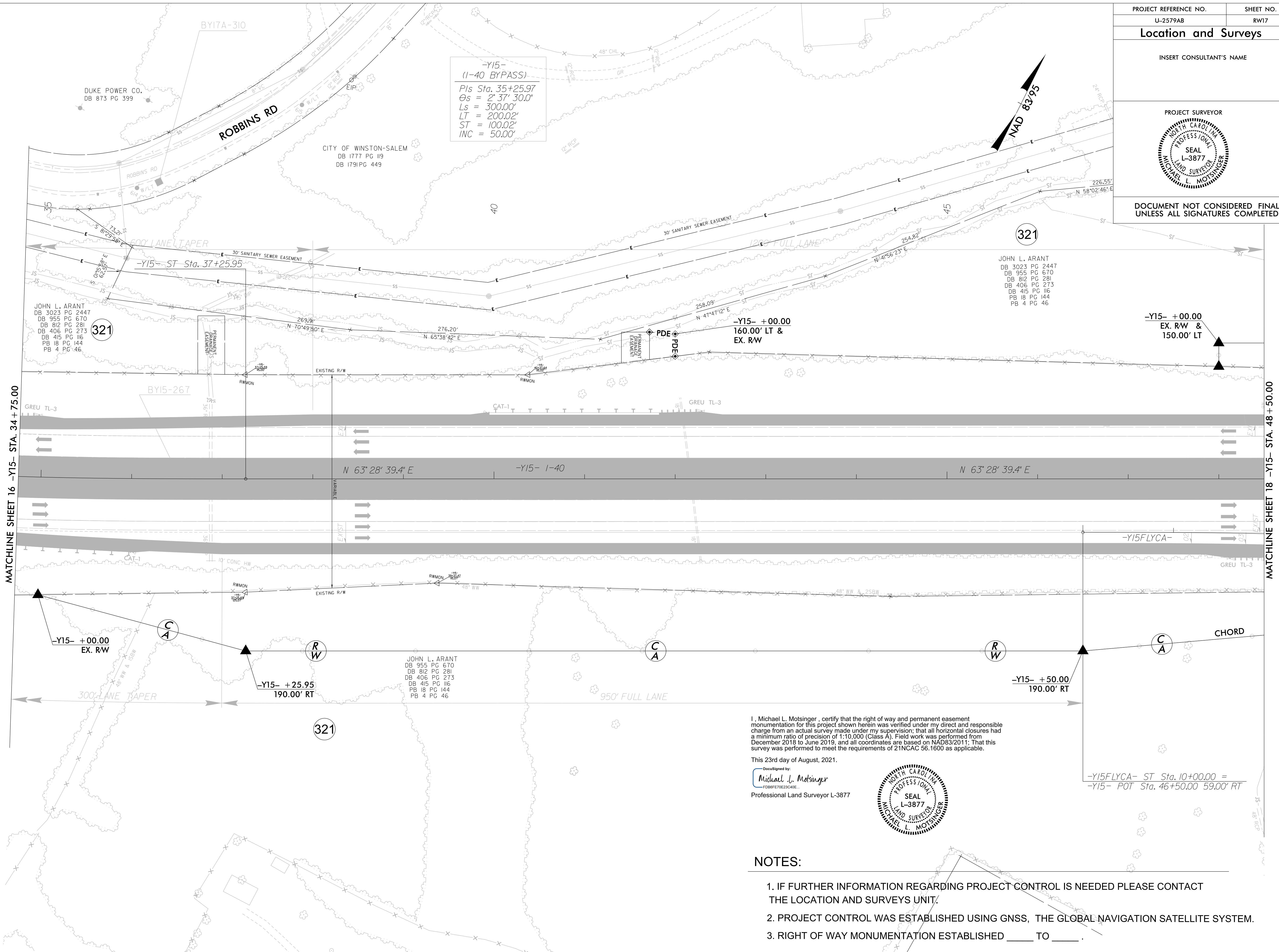
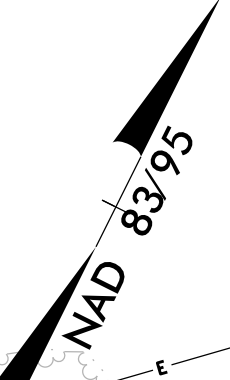
MATCHLINE -Y15- STA. 21+00.00 (SEE INSET)

MATCHLINE SHEET 17 -Y15- STA. 34+75.00

MATCHLINE -Y15- STA. 21+00.00 (SEE THIS SHEET)

PROJECT REFERENCE NO.	SHEET NO.
U-2579AB	RW17
Location and Surveys	
INSERT CONSULTANT'S NAME	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-Y15-
(I-40 BYPASS)
Pls Sta. 35+25.97
 $\theta_s = 2^\circ 37' 30.0''$
Ls = 300.00'
LT = 200.02'
ST = 100.02'
INC = 50.00'



REVISIONS

MATCHLINE SHEET 16 -Y15- STA. 34+75.00

MATCHLINE SHEET 18 -Y15- STA. 48+50.00

JOHN L. ARANT
DB 3023 PG 2447
DB 955 PG 670
DB 812 PG 281
DB 406 PG 273
DB 415 PG 116
PB 18 PG 144
PB 4 PG 46

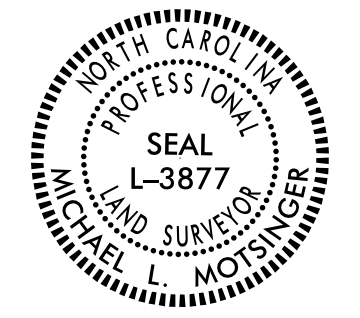
JOHN L. ARANT
DB 3023 PG 2447
DB 955 PG 670
DB 812 PG 281
DB 406 PG 273
DB 415 PG 116
PB 18 PG 144
PB 4 PG 46

JOHN L. ARANT
DB 955 PG 670
DB 812 PG 281
DB 406 PG 273
DB 415 PG 116
PB 18 PG 144
PB 4 PG 46

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.

DocuSigned by:
Michael L. Motsinger
Professional Land Surveyor L-3877



-Y15FLYCA- ST Sta. 10+00.00 =
-Y15- POT Sta. 46+50.00 59.00' RT

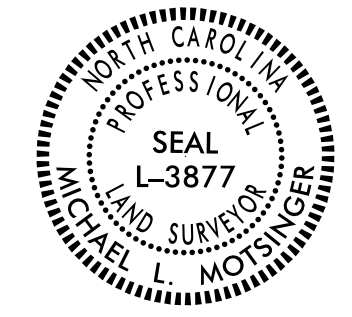
NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

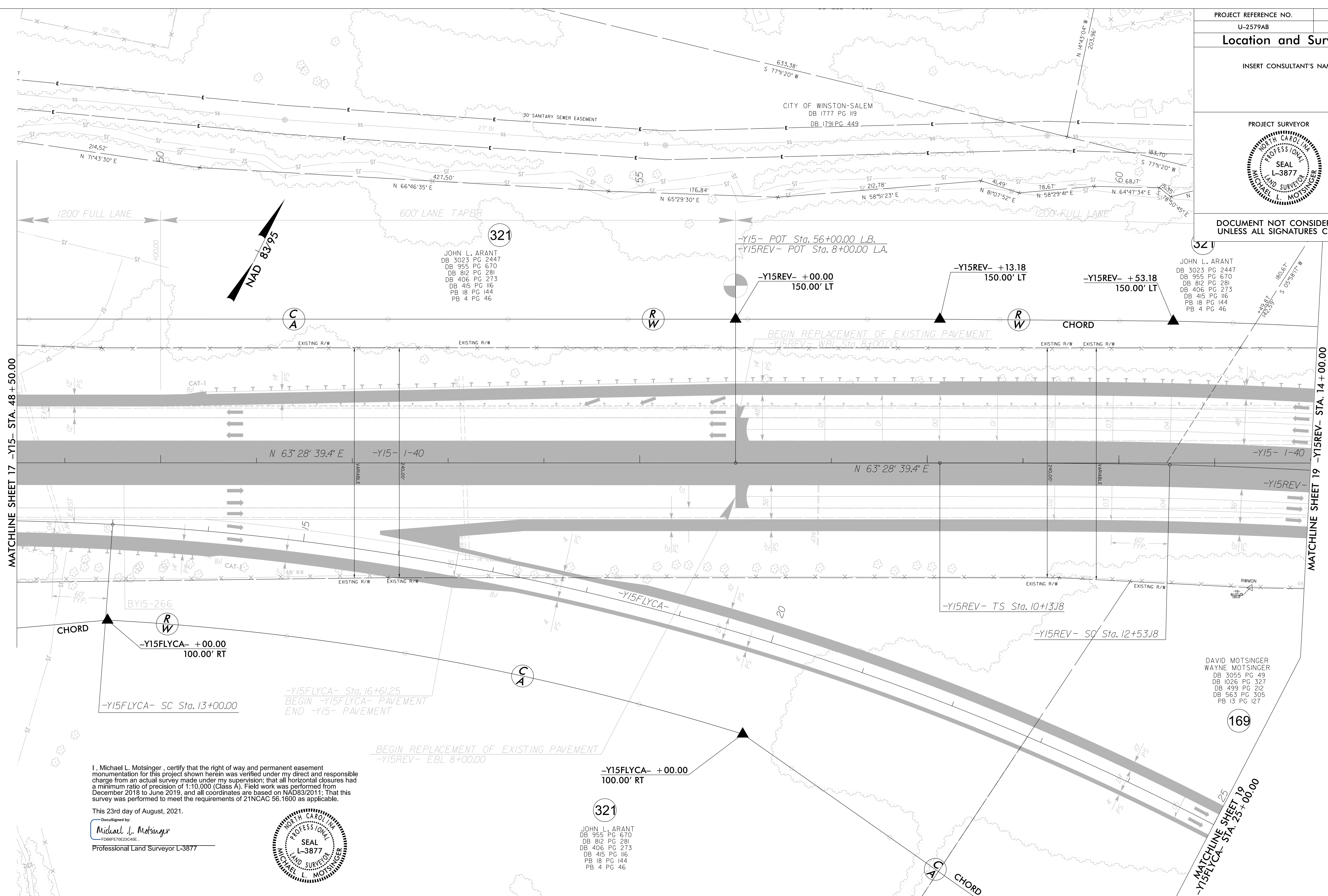
Location and Surveys

INSERT CONSULTANT'S NAME

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

6/2/199
3:\JUG-2020\0833\Winston\CL\Its Computer\Urban\U-2579ab\Right of Way\RW Ctl Sheets 2020\Julie\tobechecked\U-2579ab.ls_rwl8.dgn
AT 15-312556
JOURNEVILLE

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was verified 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 December 2018 to June 2019, 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 August, 2021.
DocuSigned by:
Michael L. Motsinger
FDB6F7E293C4DE
Professional Land Surveyor L-3877



-Y15FLYCA- (FLYOVER)	
PIs Sta. 12+00.03	PI Sta. 21+26.72
Os = 3° 02' 51.5"	Δ = 32° 40' 42.7" (RT)
Ls = 300.00'	D = 2° 01' 54.4"
LT = 200.03'	L = 1,608.38'
ST = 100.03'	T = 826.72'
INC = 60.00'	R = 2,820.00'
	SE = 05

-Y15REV- (RELOCATED I-40 BYPASS)	
PIs Sta. 11+73.18	PI Sta. 21+08.35
Os = 1° 21' 41.3"	Δ = 19° 13' 21.3" (RT)
Ls = 240.00'	D = 1° 08' 04.5"
LT = 160.00'	L = 1,694.26'
ST = 80.00'	T = 855.17'
INC = 60.00'	R = 5,050.00'
	SE = 04

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.