
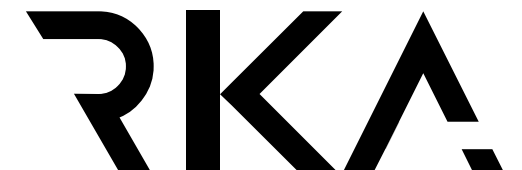
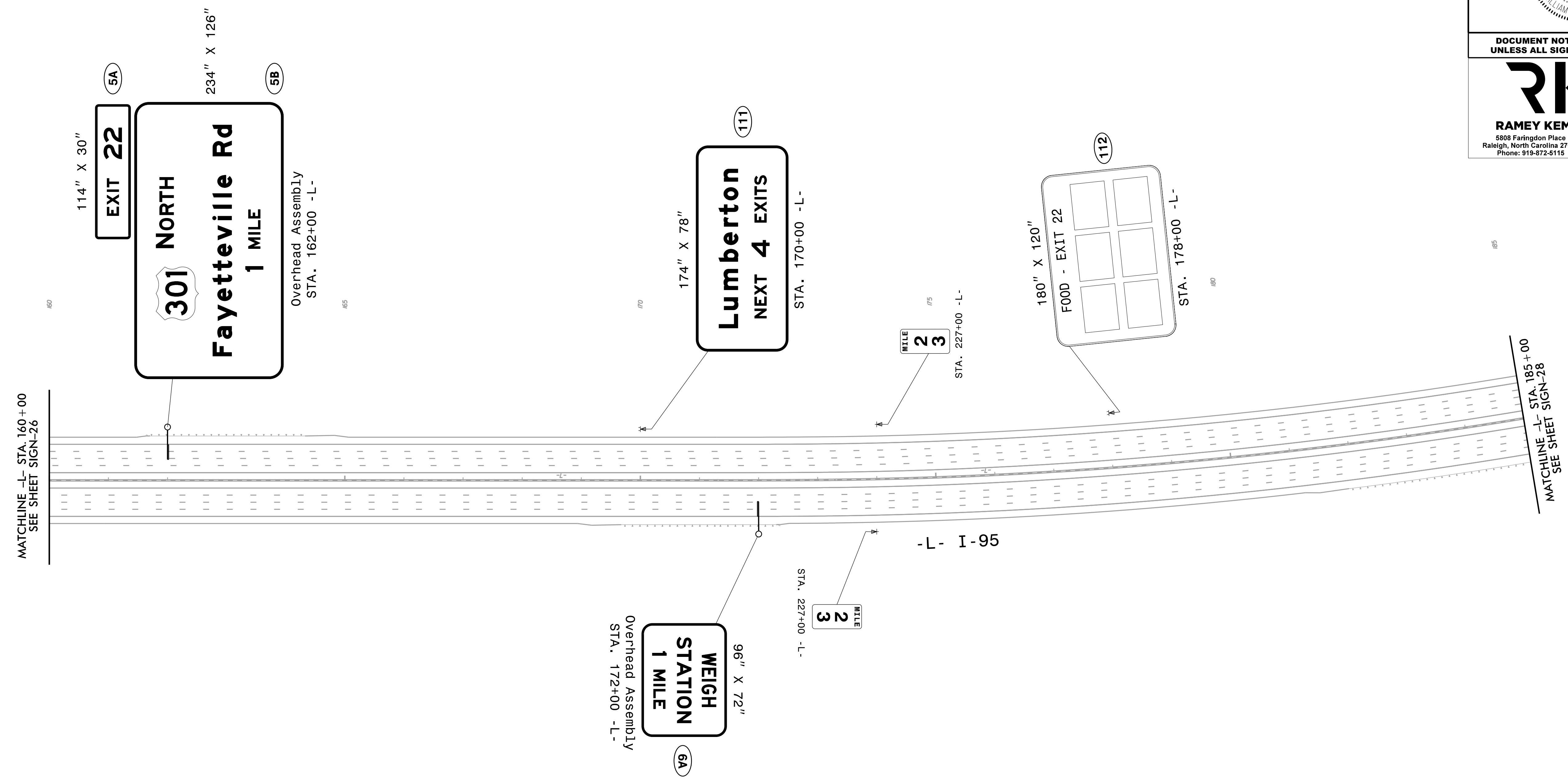
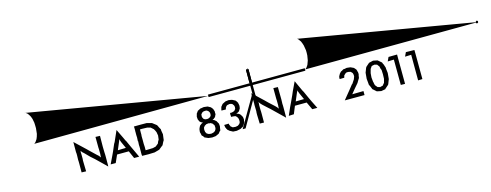


**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**


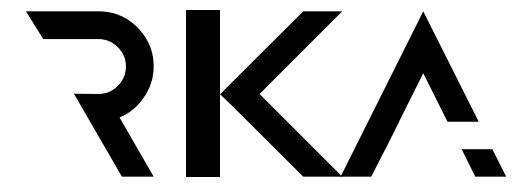
**This file or an individual page
shall not be considered a certified document.**

TIP NO. I - 5987A	SHEET NO. SIGN - 27
<small>DocuSigned by:</small> APPROVED: <i>William J. Hamilton</i> <small>A05500704648484</small>	
DATE: 5/11/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	

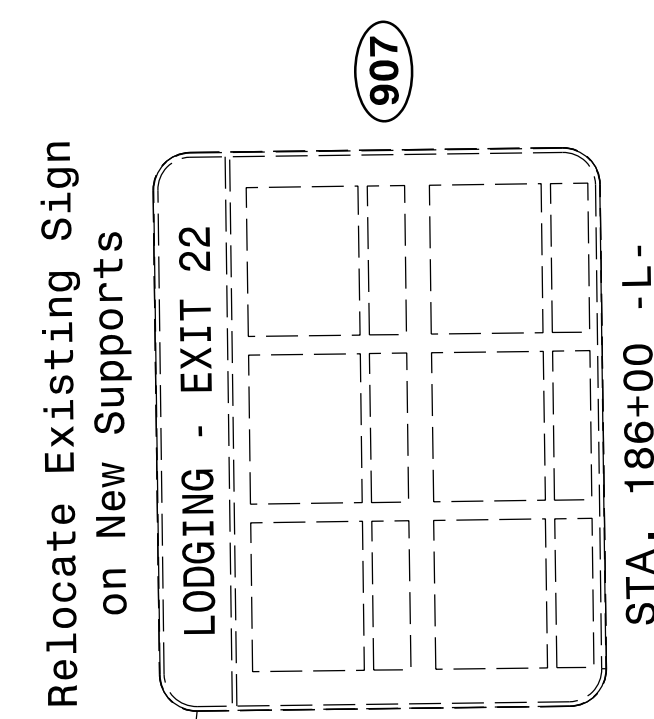
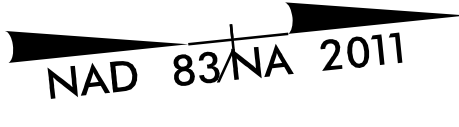


5/11/2022
I:\5987A_Sign_Sign27.dgn
User: tpope@kca

PROPOSED SIGNS

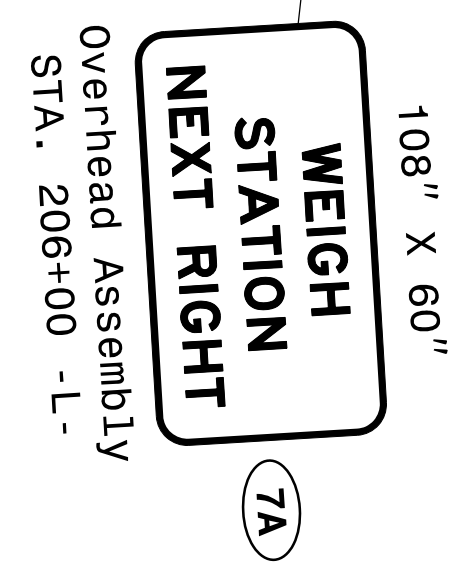
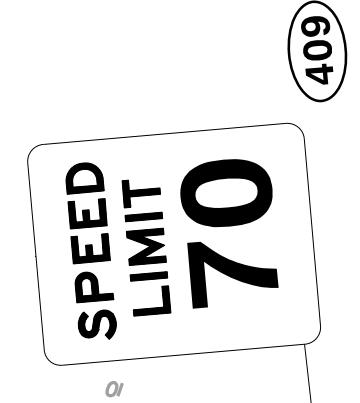
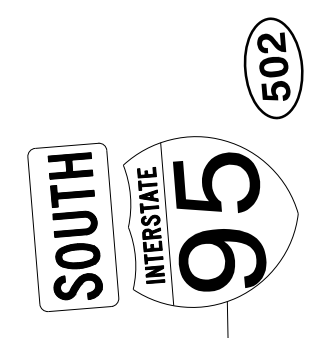
TIP NO. I - 5987A	SHEET NO. SIGN - 28
APPROVED: <i>William J. Hamilton</i> <small>DocuSigned by: A0580570468484</small>	
DATE: 5/11/2022	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small> <small>NC License No. C-0910 www.rameykemp.com</small>	

MATCHLINE -Y2- STA. 21+00
SEE SHEET SIGN-41



STA. 186+00 - L-

MATCHLINE -L- STA. 185+00
SEE SHEET SIGN-27


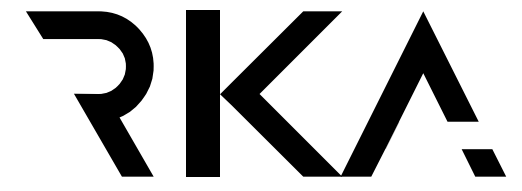


MATCHLINE -L- STA. 211+00
SEE SHEET SIGN-29

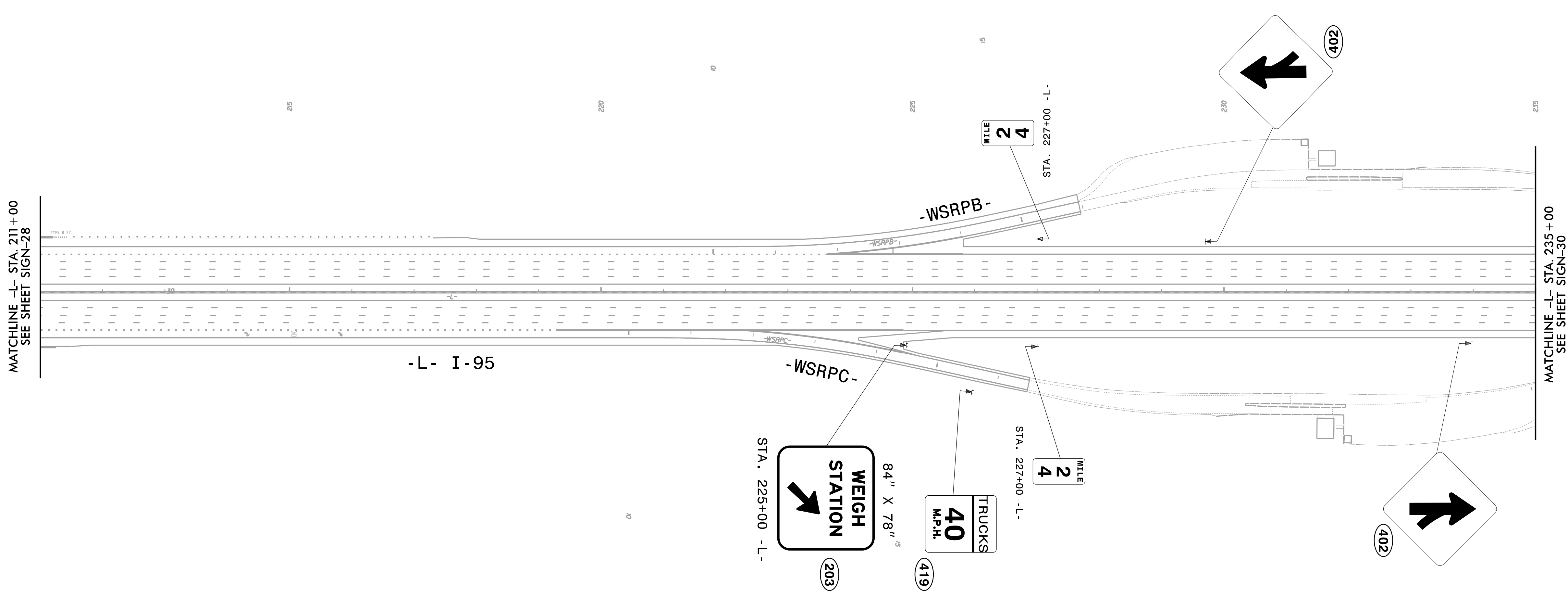
-Y2- SR 1529
W POWERSVILLE RD

-L- I-95

PROPOSED SIGNS

TIP NO.	SHEET NO.
I - 5987A	SIGN - 29
APPROVED: <i>William J. Hamilton</i> <small>AS00070464844</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES <small>5908 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	

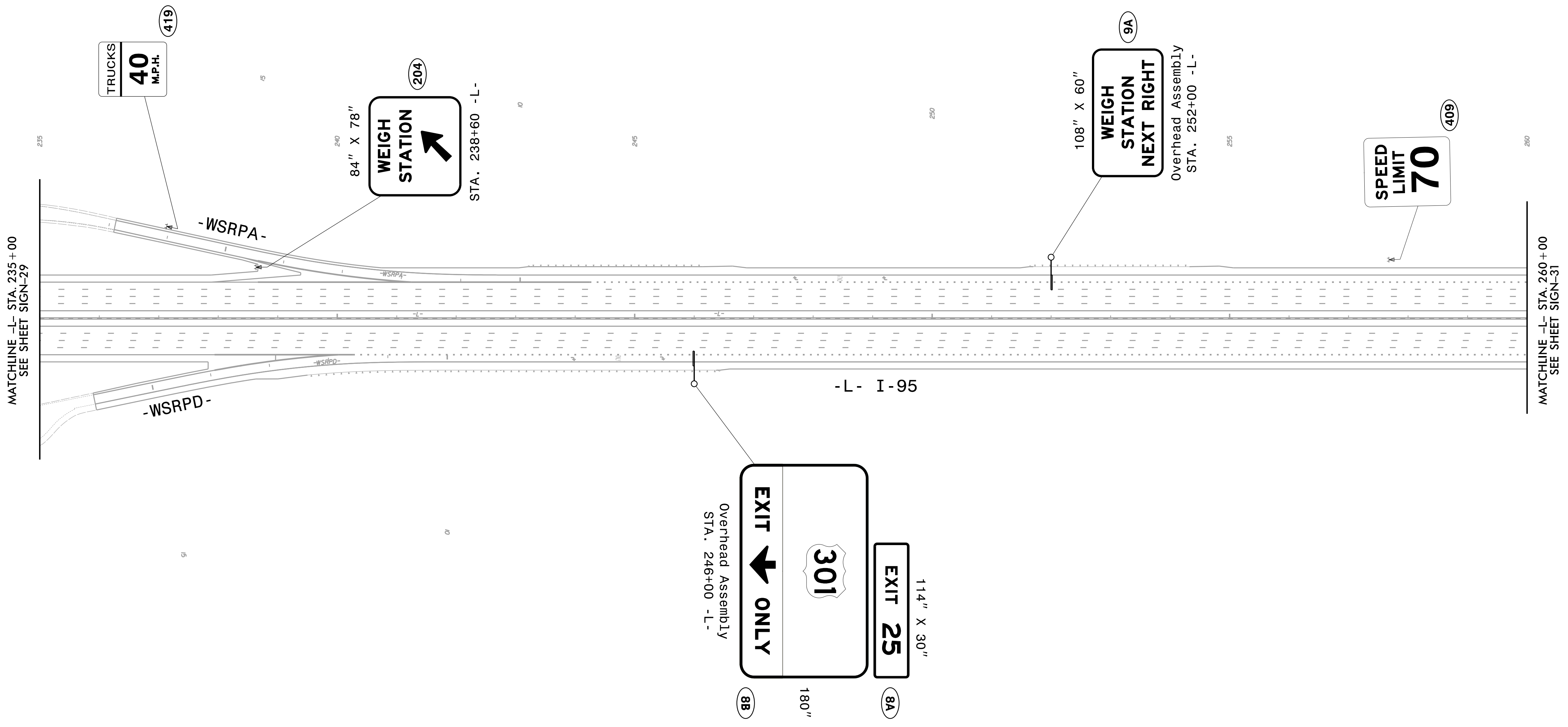
NAD 83/NA 2011



PROPOSED SIGNS


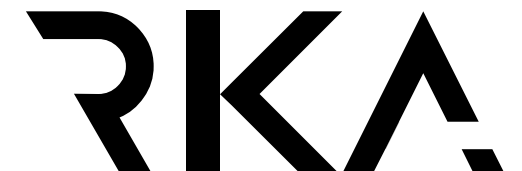
5/11/2022
User: tpcpe@k...

TIP NO.	SHEET NO.
I - 5987A	SIGN-30
APPROVED: <i>William J. Hamilton</i>	
DATE: 5/11/2022	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	

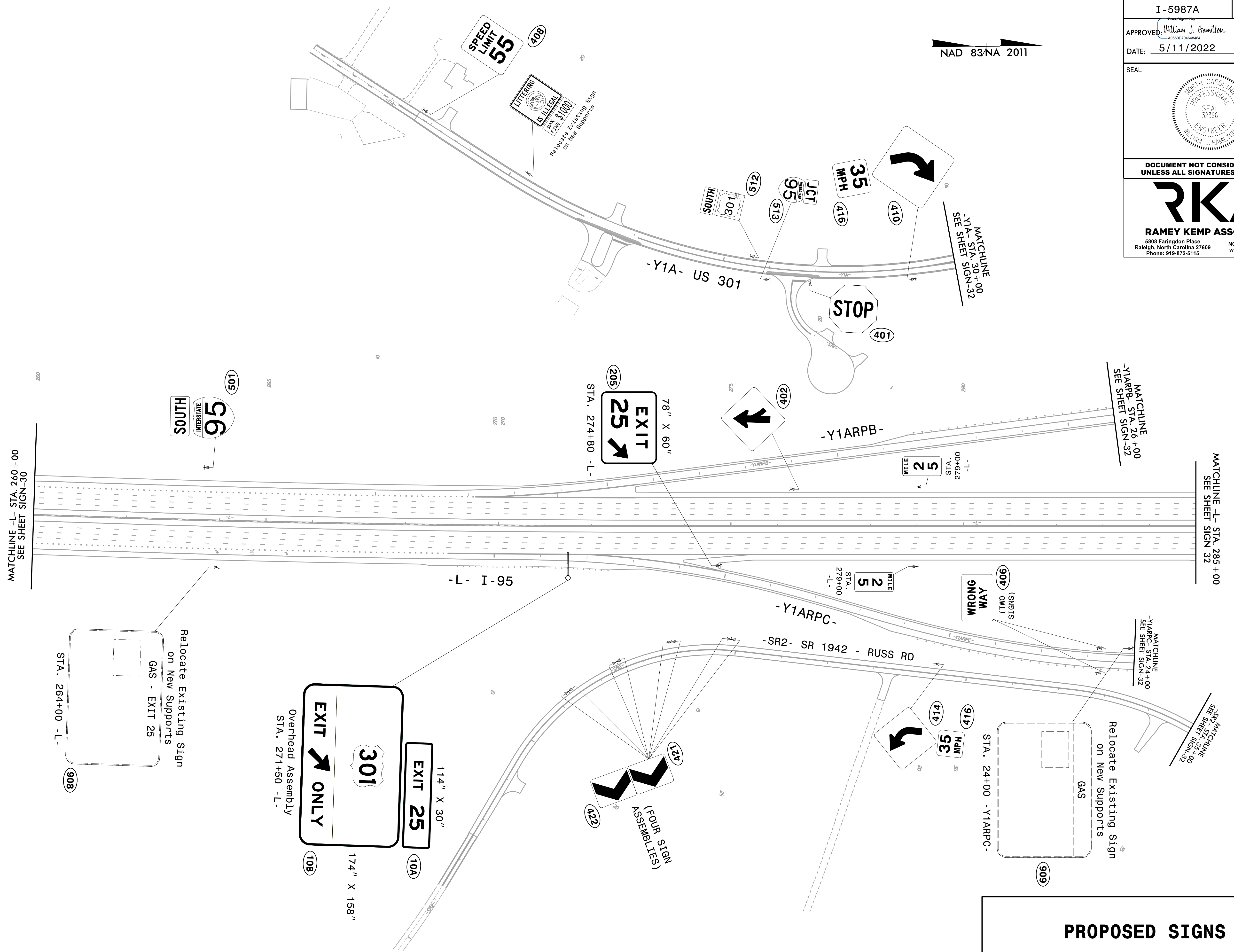


5/11/2022
 I:\5987A_Sign_Sign30.dgn
 User: tpope@rka

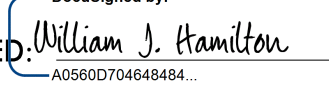

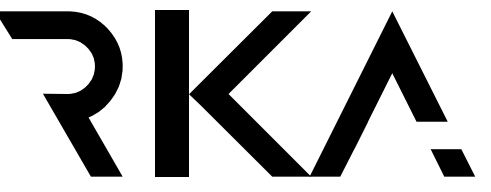
PROPOSED SIGNS

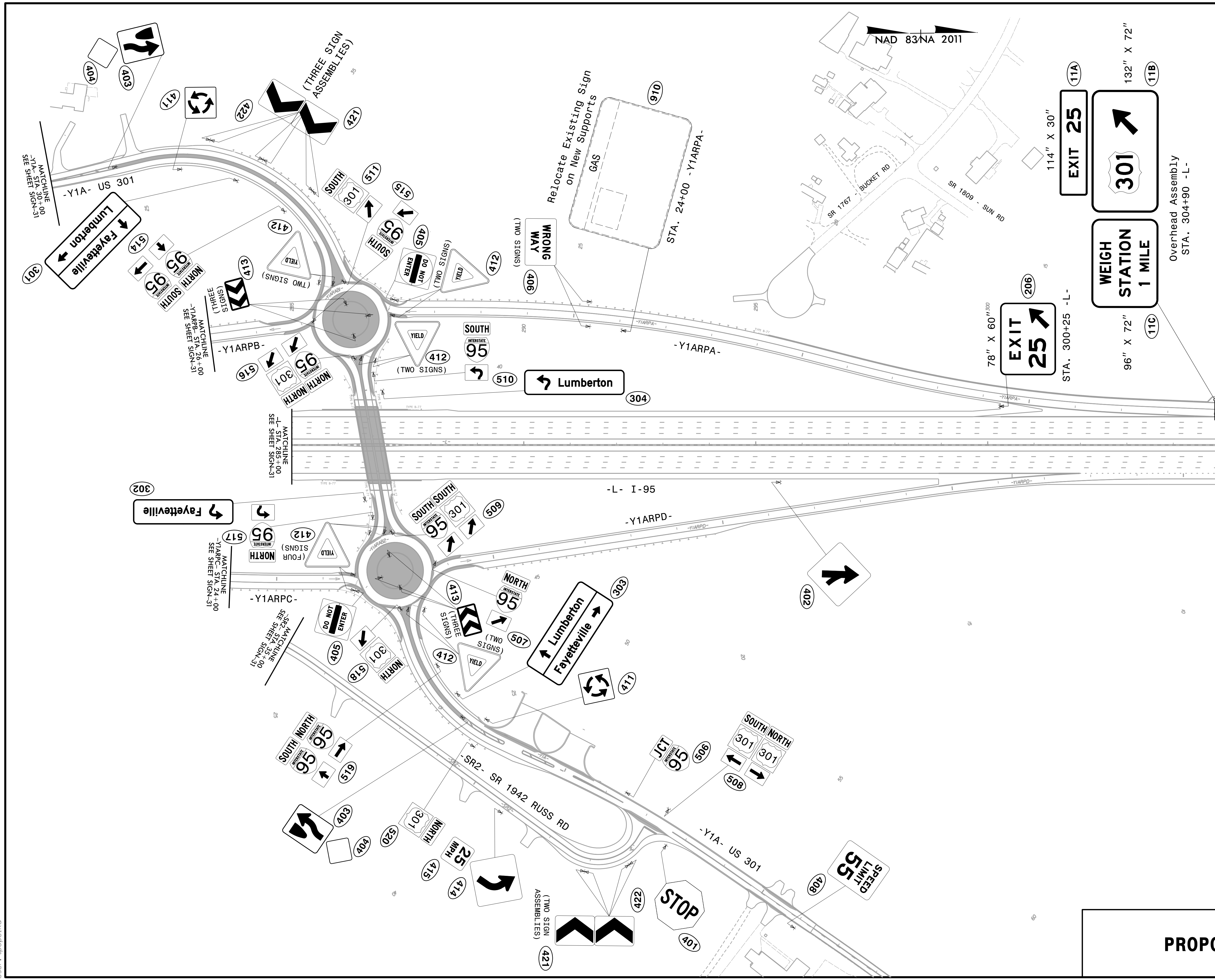
TIP NO.	SHEET NO.
I - 5987A	SIGN - 31
APPROVED: <i>William J. Hamilton</i> Professional Engineer No. 32396	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES 5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115 NC License No. C-0910 www.rameykemp.com	

NAD 83/NA 2011



PROPOSED SIGNS

TIP NO.	SHEET NO.
I - 5987A	SIGN-32
APPROVED: 	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	



PROPOSED SIGNS

5/11/2022
 I:\5987A_Sgn_Sign32.dgn
 User: tpope@rka

MATCHLINE -I- STA. 308+00
 SEE SHEET SIGN-33

MATCHLINE
 -Y1A- STA. 30+00
 SEE SHEET SIGN-31

MATCHLINE
 -Y1ARPB- STA. 26+00
 SEE SHEET SIGN-31

MATCHLINE
 -L- STA. 285+00
 SEE SHEET SIGN-31

MATCHLINE
 -Y1ARPC- STA. 24+00
 SEE SHEET SIGN-31

MATCHLINE
 -SR2- STA. 57+00
 SEE SHEET SIGN-31

Overhead Assembly
 STA. 304+90 -L-

(TWO SIGN ASSEMBLIES)
 421

(TWO SIGNS)
 406

(TWO SIGNS)
 412

(TWO SIGNS)
 507

(TWO SIGNS)
 508

(TWO SIGNS)
 415

(FOUR SIGNS)
 412

(THREE SIGNS)
 413

(THREE SIGNS)
 412

(THREE SIGNS)
 412

(THREE SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412


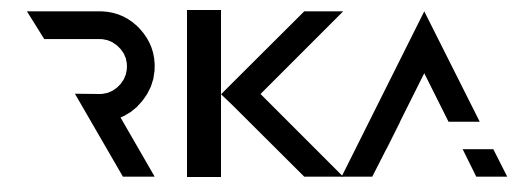
(TWO SIGNS)
 412

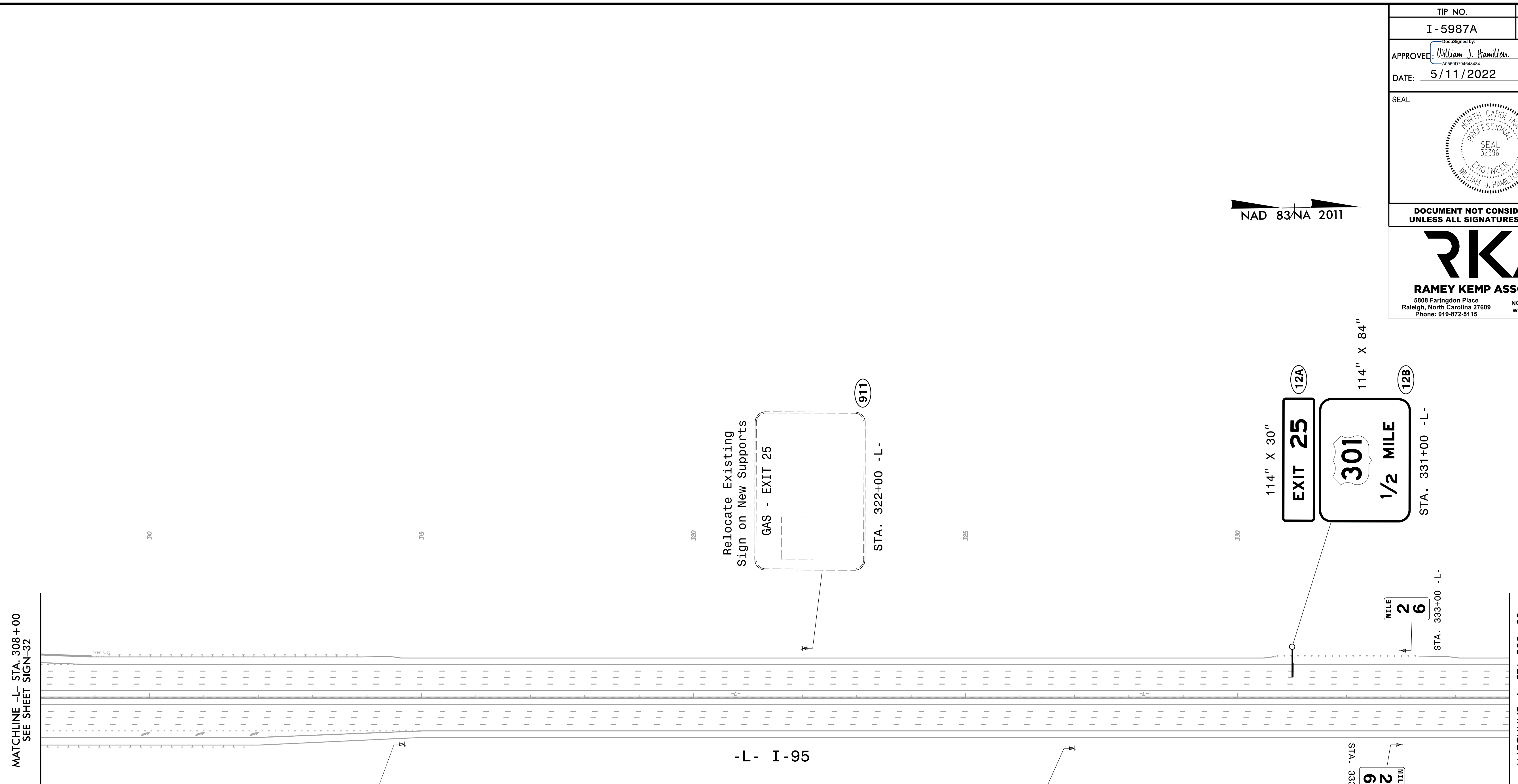
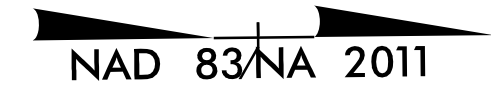
(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

(TWO SIGNS)
 412

TIP NO.	SHEET NO.
I - 5987A	SIGN-33
APPROVED: <i>William J. Hamilton</i>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES <small>5808 Farington Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	


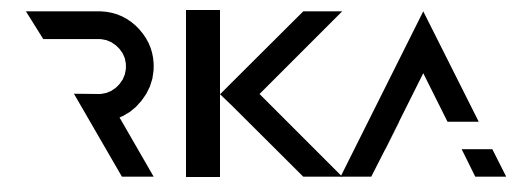


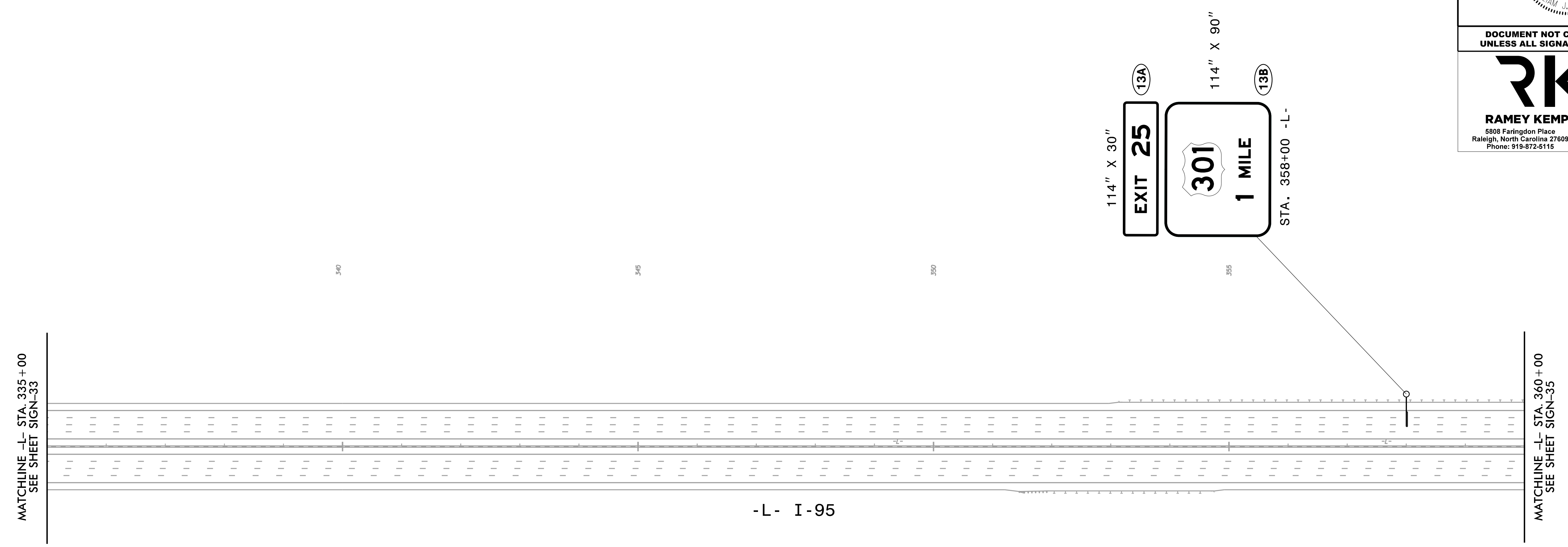
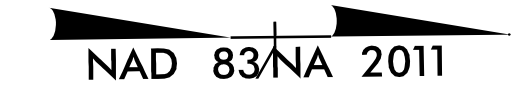
MATCHLINE -L- STA. 308+00
SEE SHEET SIGN-32

MATCHLINE -L- STA. 335+00
SEE SHEET SIGN-34

5/11/2022
I:\5987A_Sign_Sign33.dgn
User: tpope@rka


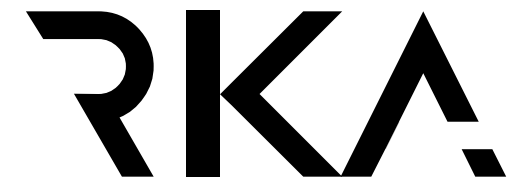
PROPOSED SIGNS

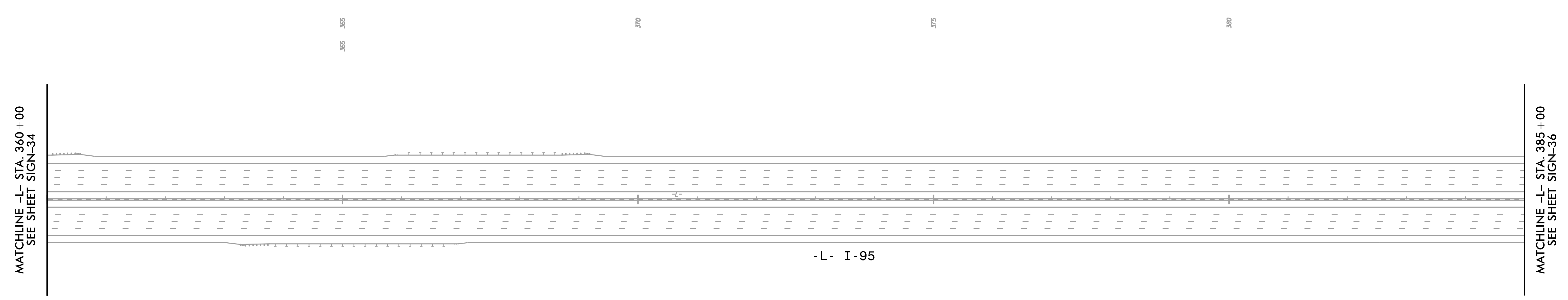
TIP NO.	SHEET NO.
I - 5987A	SIGN - 34
APPROVED: <i>William J. Hamilton</i> <small>DESIGNED BY: WJH/0507174848484</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	
<small>NC License No. C-0910 www.rameykemp.com</small>	



5/11/2022
 I:\15987A_Sign_Sign34.dgn
 User: tpope@rka


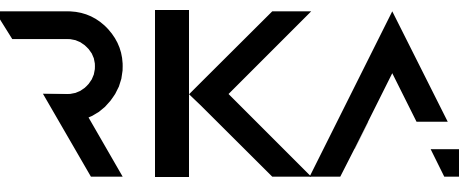
PROPOSED SIGNS

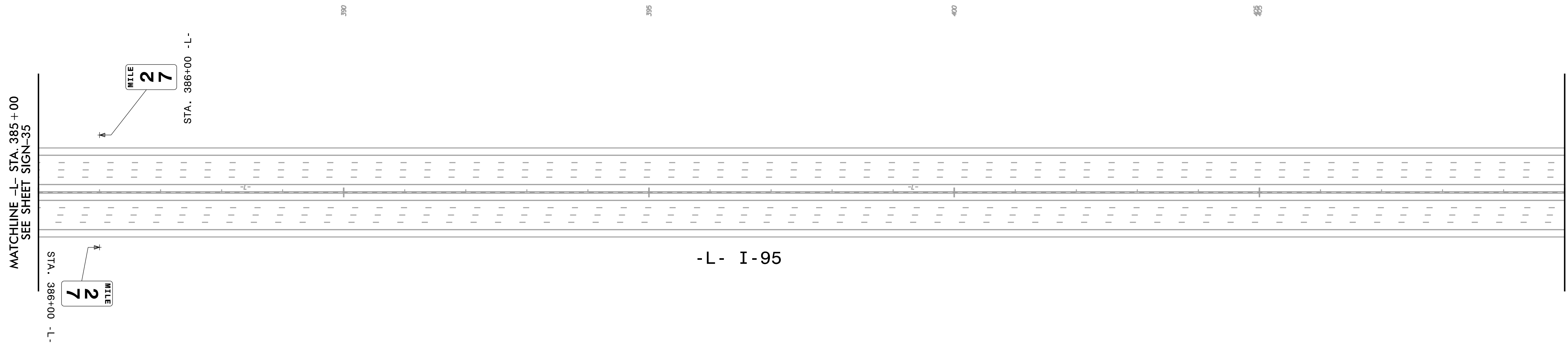
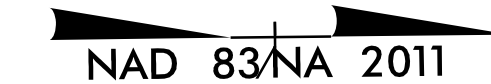
TIP NO.	SHEET NO.
I - 5987A	SIGN-35
APPROVED: <i>William J. Hamilton</i> <small>AS000703648484</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 <p>RAMEY KEMP ASSOCIATES 5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</p> <p>NC License No. C-0910 www.rameykemp.com</p>	



**NO PROPOSED SIGNS
THIS SHEET**

PROPOSED SIGNS

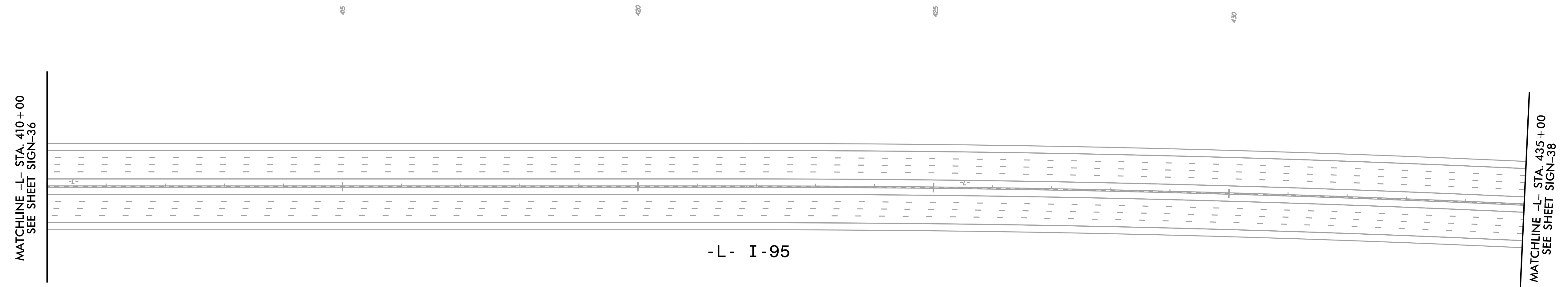
TIP NO.	SHEET NO.
I - 5987A	SIGN-36
APPROVED: <i>William J. Hamilton</i> <small>10560370464451</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES <small>5808 Farington Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	



5/11/2022
I:\15987A_Sign_Sign36.dgn
User: tpope\k


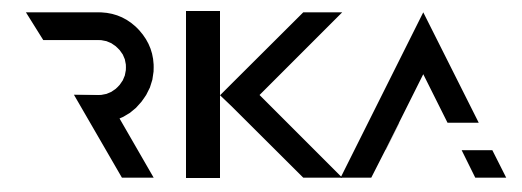
PROPOSED SIGNS

TIP NO.	SHEET NO.
I - 5987A	SIGN-37
APPROVED: <i>William J. Hamilton</i>	
DATE: 5/11/2022	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	

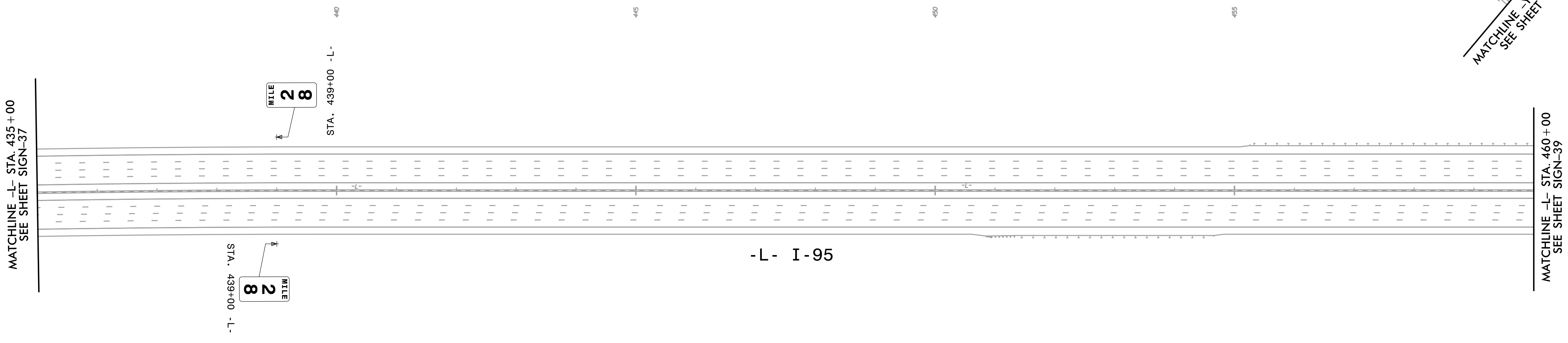
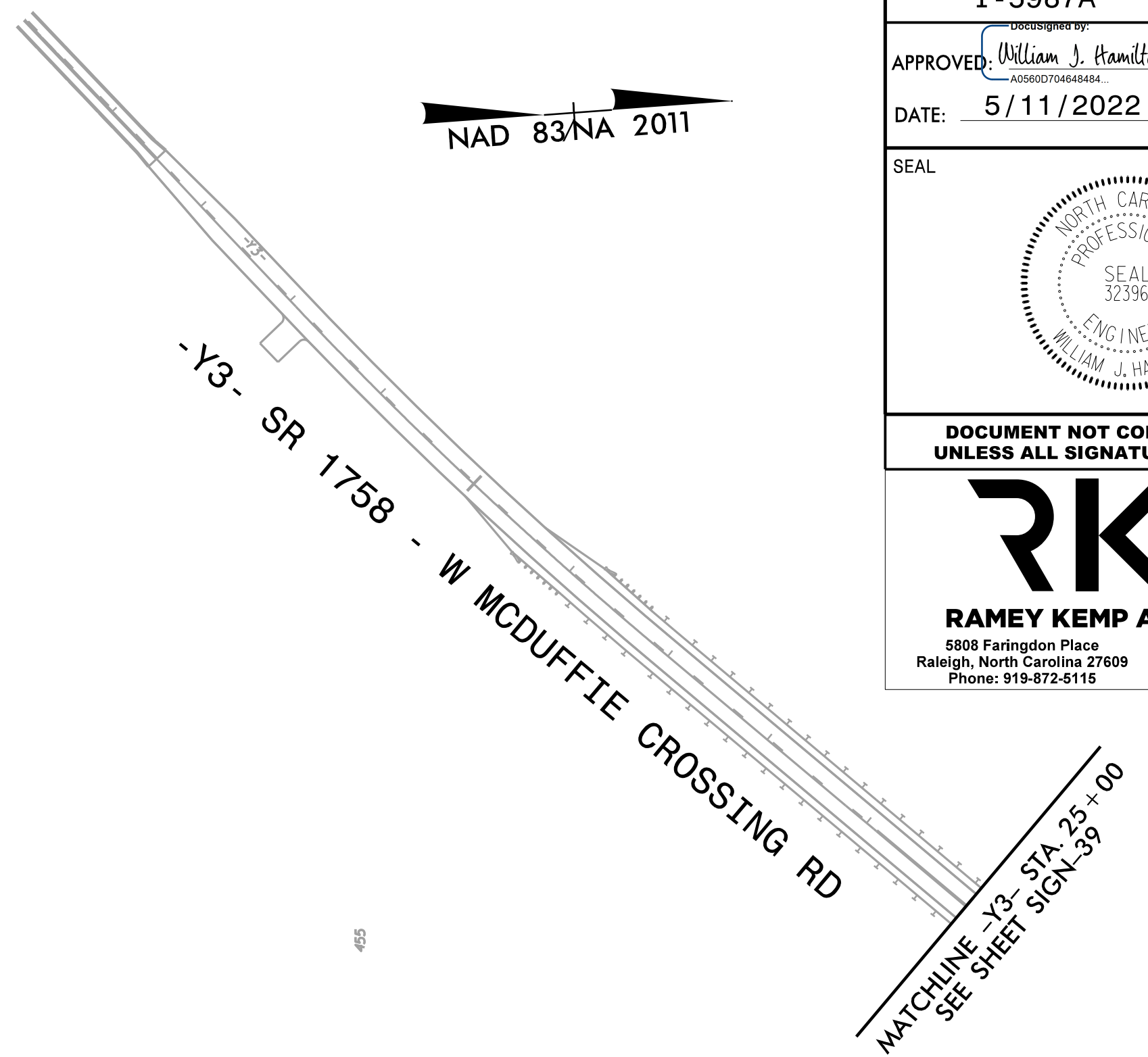


**NO PROPOSED SIGNS
THIS SHEET**


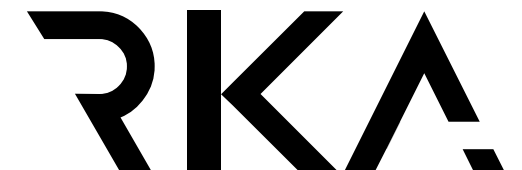
PROPOSED SIGNS

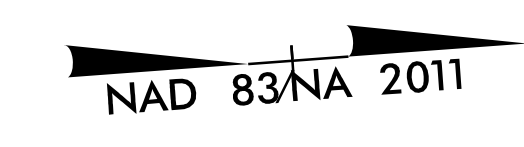
TIP NO.	SHEET NO.
I - 5987A	SIGN - 38
APPROVED: <i>William J. Hamilton</i> <small>DESIGNED BY</small> <small>AS08070408484</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 RAMEY KEMP ASSOCIATES <small>5808 Farington Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small> <small>NC License No. C-0910 www.rameykemp.com</small>	

NAD 83/NA 2011



PROPOSED SIGNS

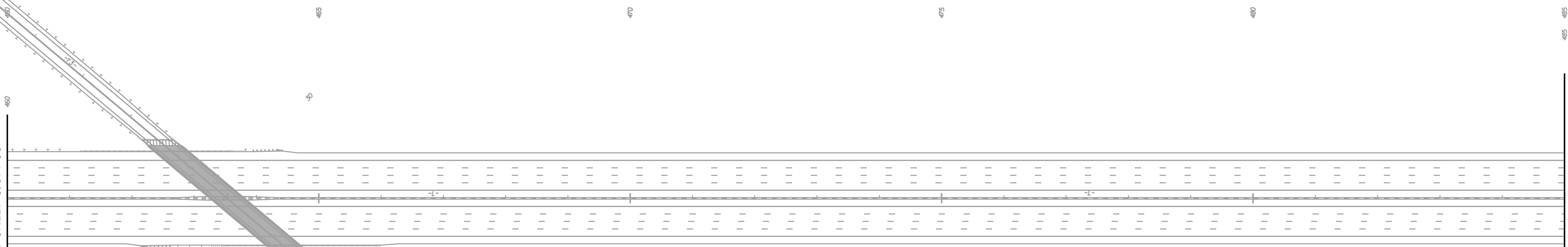
TIP NO.	SHEET NO.
I - 5987A	SIGN - 39
APPROVED: <i>William J. Hamilton</i> <small>ASSETID: 04848484</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
RAMEY KEMP ASSOCIATES <small>5808 Faringdon Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small>	



MATCHLINE -Y3- STA. 25+00
SEE SHEET SIGN-38

MATCHLINE -L- STA. 460+00
SEE SHEET SIGN-38


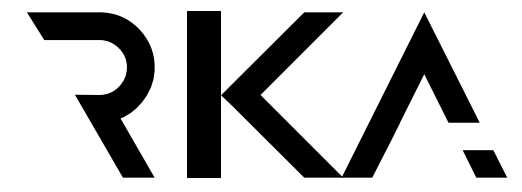
MATCHLINE -L- STA. 485+00
SEE SHEET SIGN-40



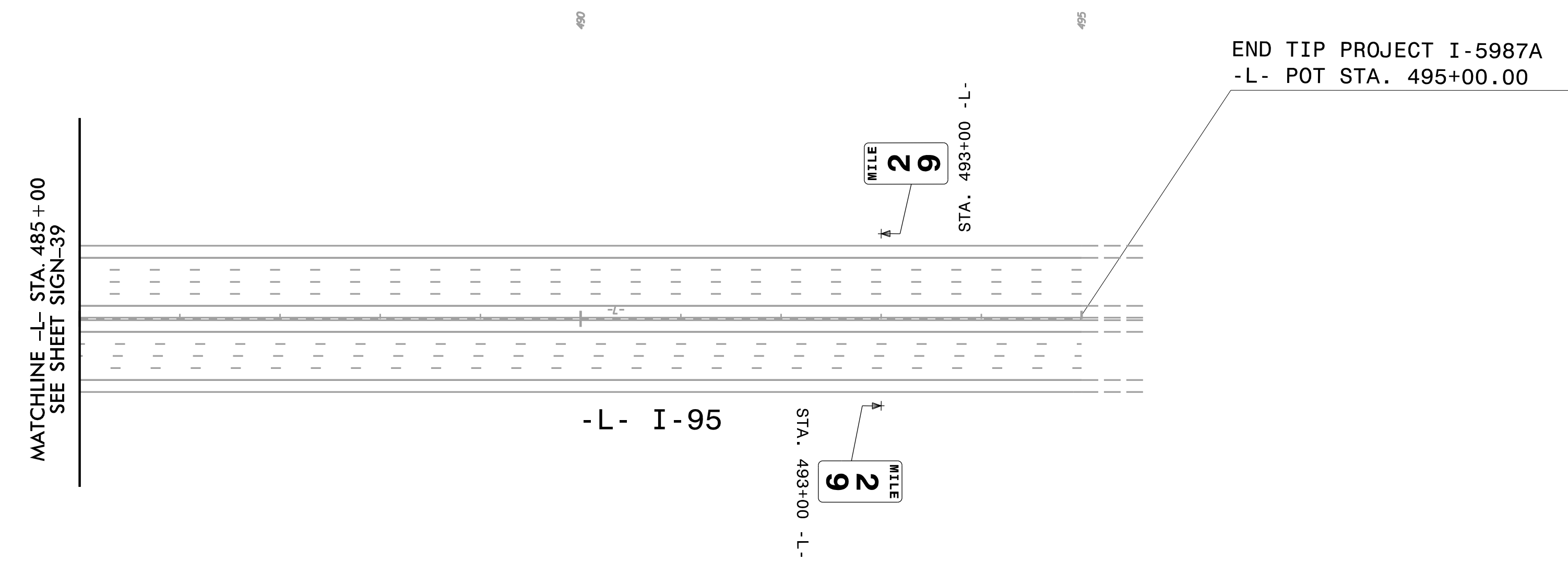
-Y3- SR 1758 - E MCDUFFIE CROSSING RD

**NO PROPOSED SIGNS
THIS SHEET**

PROPOSED SIGNS

TIP NO.	SHEET NO.
I - 5987A	SIGN - 40
<small>DocuSigned by:</small> APPROVED <i>William J. Hamilton</i> <small>A05600704848484</small>	
DATE: 5/11/2022	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 RAMEY KEMP ASSOCIATES <small>5808 Farington Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small> <small>NC License No. C-0910 www.rameykemp.com</small>	

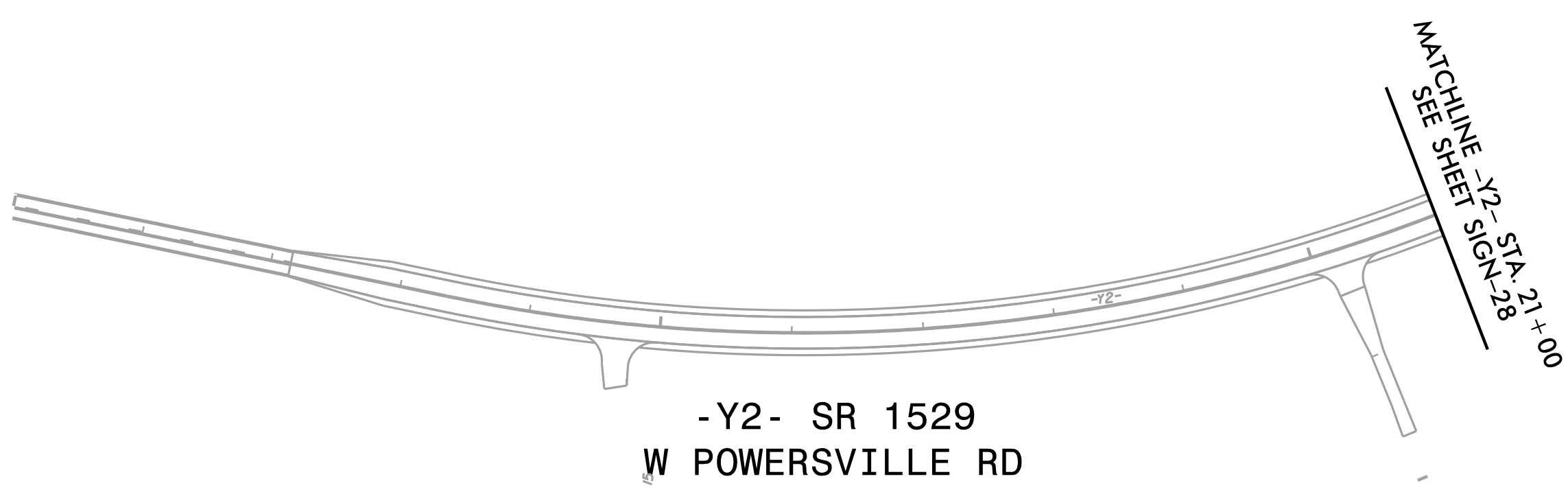
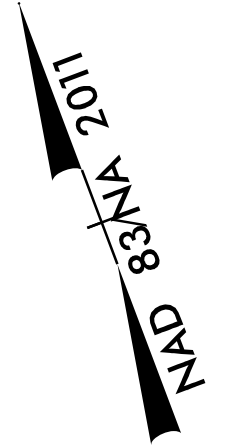
NAD 83/NA 2011



5/11/2022
I:\15987A_Sign_Sign40.dgn
User: tpope@rka

PROPOSED SIGNS

TIP NO.	SHEET NO.
I - 5987A	SIGN - 41
APPROVED: <i>William J. Hamilton</i>	
DATE: 5/11/2022	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
<small>5808 Farington Place Raleigh, North Carolina 27609 Phone: 919-872-5115</small> <small>NC License No. C-0910 www.rameykemp.com</small>	



**NO PROPOSED SIGNS
THIS SHEET**

PROPOSED SIGNS

7/6/2022 8:58:58 AM #E:\p\tr\l\ves\su\l\eng\neer\ng\shared\0\Projects\00015005\I-6064\CDM\I\0\CAD\Tra\Iblazer\Design\CAD\I-5987A\I-5987A.dwg

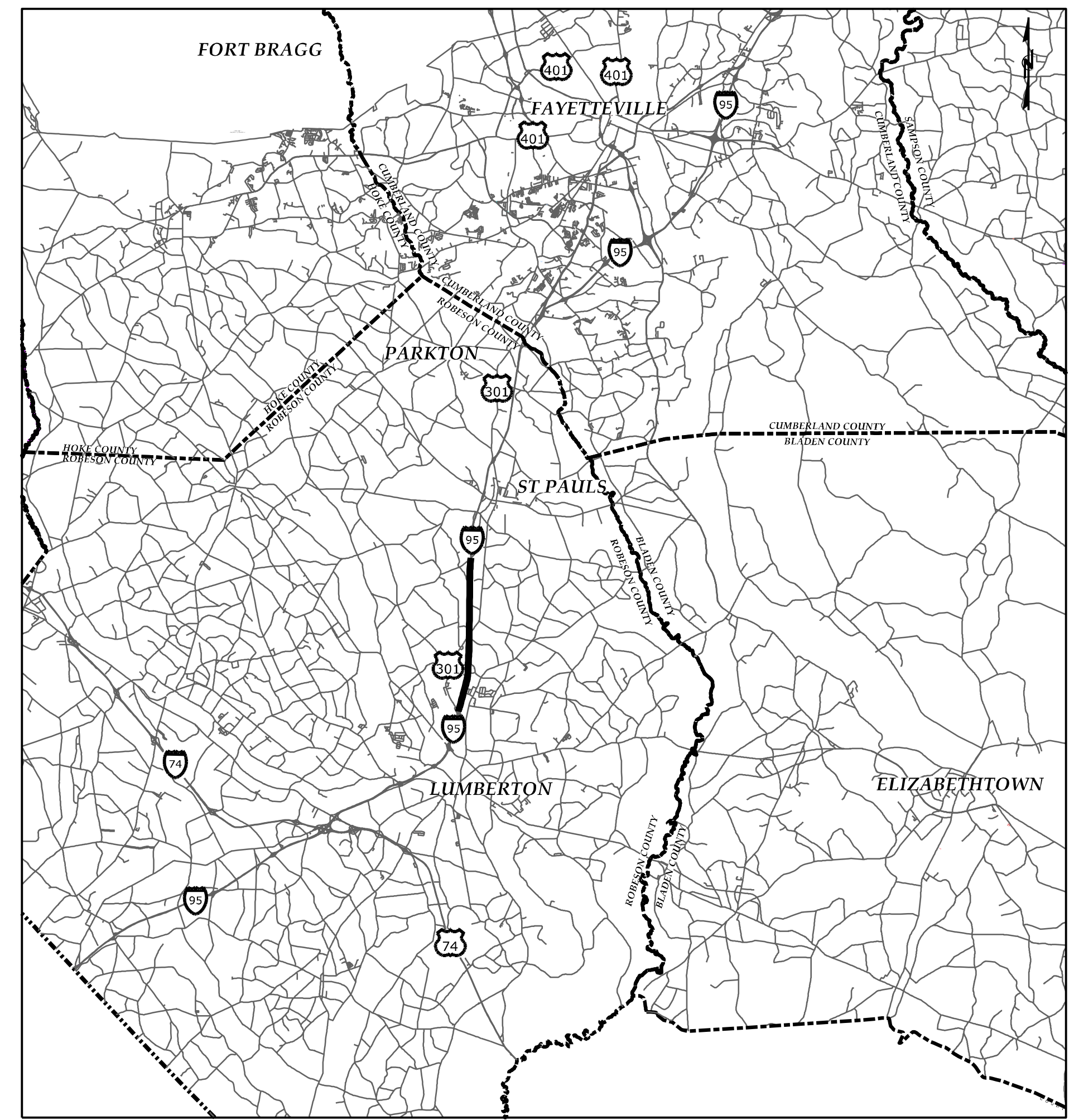
CONTRACT: TIP PROJECT: I-5987A

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED I-95 INTEGRATED CORRIDOR MANAGEMENT SYSTEM

TYPE OF WORK: INSTALLATION OF STATIC AND CHANGEABLE TRAILBLAZER SIGNS

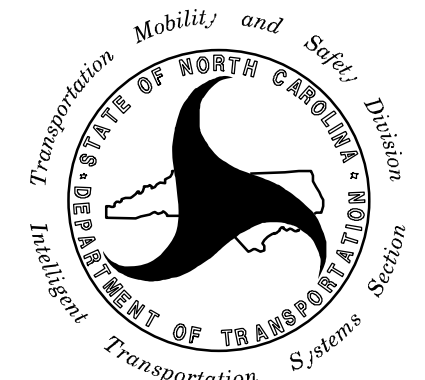
STATE	CITY PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5987A	1	7
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



2018 STANDARD SPECIFICATIONS

LETTING DATE:

PROJECT LENGTH = N/A



750 Greenfield Pkwy., Garner, NC 27529
NCDOT CONTACTS:
TRANSPORTATION SAFETY AND MOBILITY
TRAFFIC SYSTEMS OPERATIONS SECTION
 DOMINIC CIARAMITARO, P.E. - STATE TRAFFIC OPERATIONS ENGINEER

PLANS PREPARED BY:



NC License #C-4445
 304-F W. Millbrook Rd
 Raleigh, NC 27609
 Tel: (919) 984-5426
 Fax: (919) 677-2050

EXULT CONTACTS:

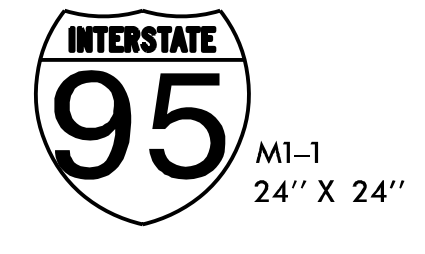
COLE DAGERHARDT, P.E. - PROJECT MANAGER
 ELIZABETH LYNCH, P.E. - PROJECT ENGINEER



DocuSigned by:
 Elizabeth Lynch

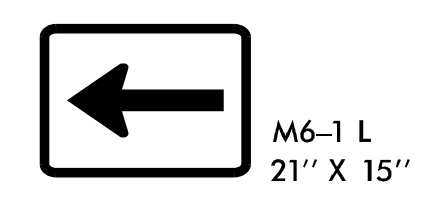
7/8/2022
 DATE

401 QUANTITY REQ'D 5



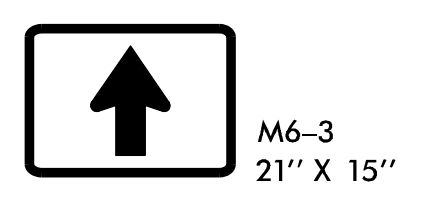
BACKGROUND COLOR: BLUE
COPY COLOR: WHITE
ONE "U" POST PER SIGN

402 QUANTITY REQ'D 3



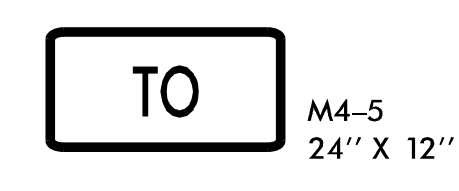
BACKGROUND COLOR: BLUE
COPY COLOR: WHITE
MOUNTED BELOW SIGN #401

403 QUANTITY REQ'D 2



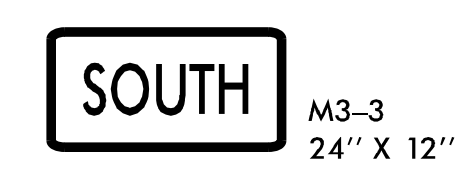
BACKGROUND COLOR: BLUE
COPY COLOR: WHITE
MOUNTED BELOW SIGN #401

404 QUANTITY REQ'D 2



BACKGROUND COLOR: BLUE
COPY COLOR: WHITE
MOUNTED ABOVE SIGN #405 OR 406

405 QUANTITY REQ'D 2



BACKGROUND COLOR: BLUE
COPY COLOR: WHITE
MOUNTED ABOVE SIGN #401

406 QUANTITY REQ'D 3



BACKGROUND COLOR: BLUE
COPY COLOR: WHITE
MOUNTED ABOVE SIGN #401

TYPE 'F' SIGNS

7/6/2022 \\Egnyte\drive\exultengineering\Shored\0 Projects\0005005 I-6064 ICM10 CAD\Trailblazer Design\CAD\I-5987A\NCM_Trailblazer_psh_02_SignQuantities.dgn

EXULT
ENGINEERING

NC License #C-4445
304-F W. Millbrook Rd
Raleigh, NC 27609
Tel: (984) 500-5426

Plans Prepared For: 		I-5987A INTEGRATED CORRIDOR MANAGEMENT SYSTEM SIGN QUANTITIES SHEET		SEAL 								
DIVISION 06 PLAN DATE: JULY 2022 PREPARED BY: C. WONG/T. BLANG		ROBESON COUNTY REVIEWED BY: E. LYNCH REVIEWED BY: C. DAGERHARDT										
SCALE 		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	INIT.	DATE					DocuSigned by: ELIZABETH W. LYNCH SIGNATURE DATE
NO.	DATE	INIT.	DATE									

CADD File name:

SIGN NUMBER: 407
 TYPE: D
 QUANTITY: 2

BACKG COLOR: Yellow
 COPY COLOR: Black

DESIGN BY: EWL
 PROJECT ID: I-5987A

CHECKED BY: JULY 6, 2022
 LOCATION: DIV: 6

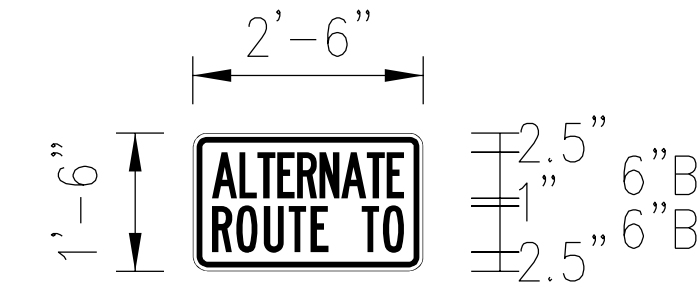
SYMBOL	X	Y	WID	HT

SIGN WIDTH: 2'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 3.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0.5"
 WIDTH: 0.75"
 RADII: 1.38"

NO. Z BARS: MAT'L: 0.063" (1.6 mm) ALUMINUM
 LENGTH: 0.080" (2.0 mm) ALUMINUM
 0.125" (3.2 mm) ALUMINUM

USE NOTES:

- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade A, B, or C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow panel is:



BORDER R=1.38"
 TH=0.75"
 IN=0.5"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

										Series/Size
										Text Length
A	L	T	E	R	N	A	T	E		B 2000
2.5	6	8.4	11	13.6	16.5	19.3	22.7	25.2		25
R	O	U	T	E	T	O				B 2000
2.5	5.7	9.2	12.4	15.3	22	24.7				25

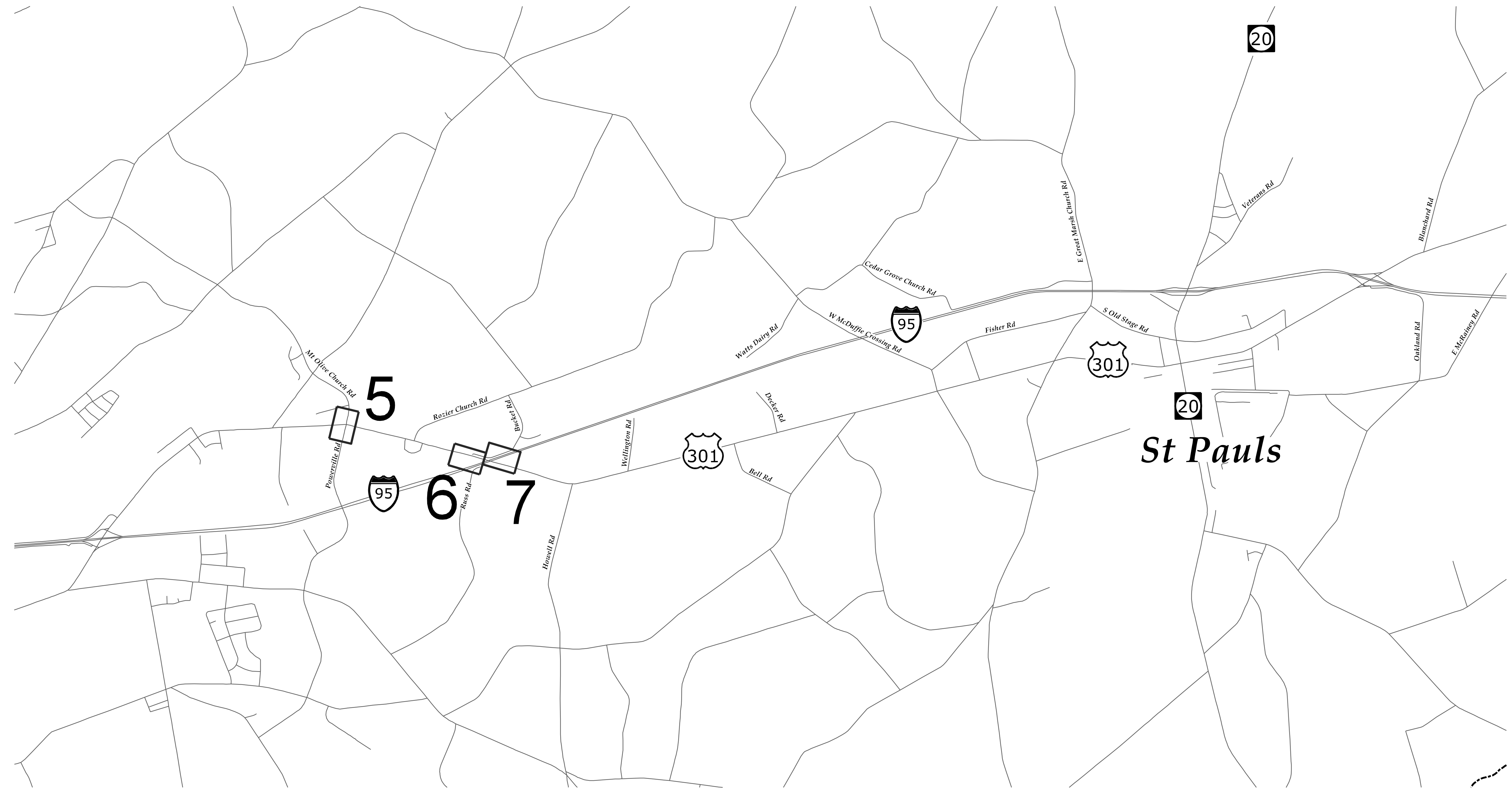
FILENAME: I-5987A_ICM_Trailblazer_psh_05A_SignDetails

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS



Plans Prepared For: PROJECT OF ROBESON COUNTY TRANSPORTATION SYSTEMS DIVISION 750 N. Greenfield Pkwy., Garner, NC 27539	I-5987A INTEGRATED CORRIDOR MANAGEMENT SYSTEM SIGN DETAILS SHEET		SEAL ELIZABETH W. LYNCH ENGINEER 037444 DOCUMENT NO. I-5987A/05A SIGNATURE: Elizabeth W. Lynch DATE: 8/2022
	DIVISION 06 PLAN DATE: JULY 2022 PREPARED BY: C. WONG/T. BLANG	ROBESON COUNTY REVIEWED BY: E. LYNCH REVIEWED BY: C. DAGERHARDT	



7/6/2022 \\Egnyte\Drive\exult\engineering\Shored\0 Projects\0005005 I-6064 ICM10 CAD\Trailblazer Design\CAD\I-5987A\NCM Trailblazer_psn_04_keysheet.dgn



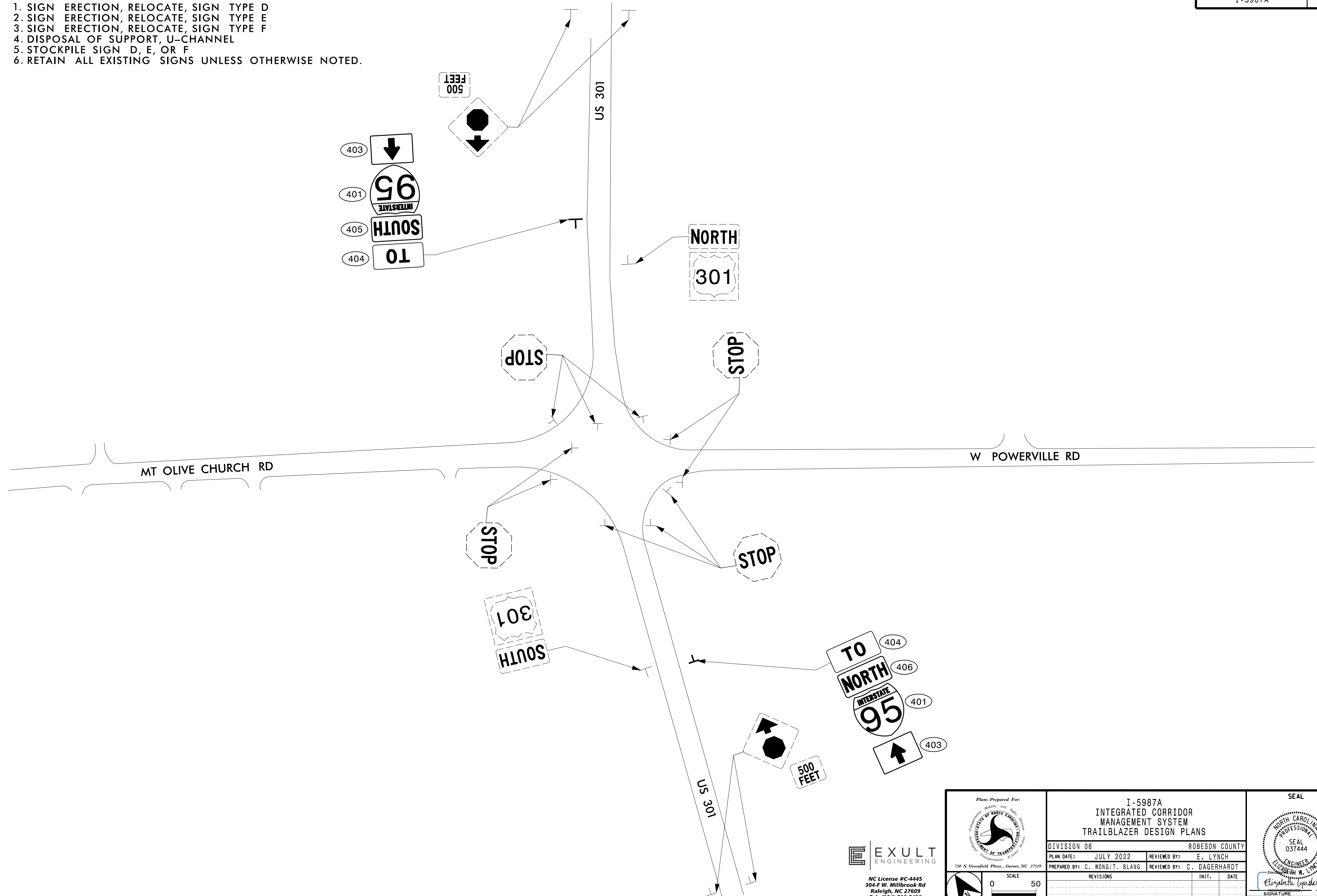
	I-5987A INTEGRATED CORRIDOR MANAGEMENT SYSTEM KEY SHEET		SEAL
	DIVISION 06 PLAN DATE: JULY 2022 PREPARED BY: C. WONG/T. BLANG	ROBESON COUNTY REVIEWED BY: E. LYNCH REVIEWED BY: C. DAGERHARDT	

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE: 0 [Graphic Scale Bar]

CADD Filename: _____

- NOTES:
 1. SIGN ERECTION, RELOCATE, SIGN TYPE D
 2. SIGN ERECTION, RELOCATE, SIGN TYPE E
 3. SIGN ERECTION, RELOCATE, SIGN TYPE F
 4. DISPOSAL OF SUPPORT, U-CHANNEL
 5. STOCKPILE SIGN D, E, OR F
 6. RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE NOTED.



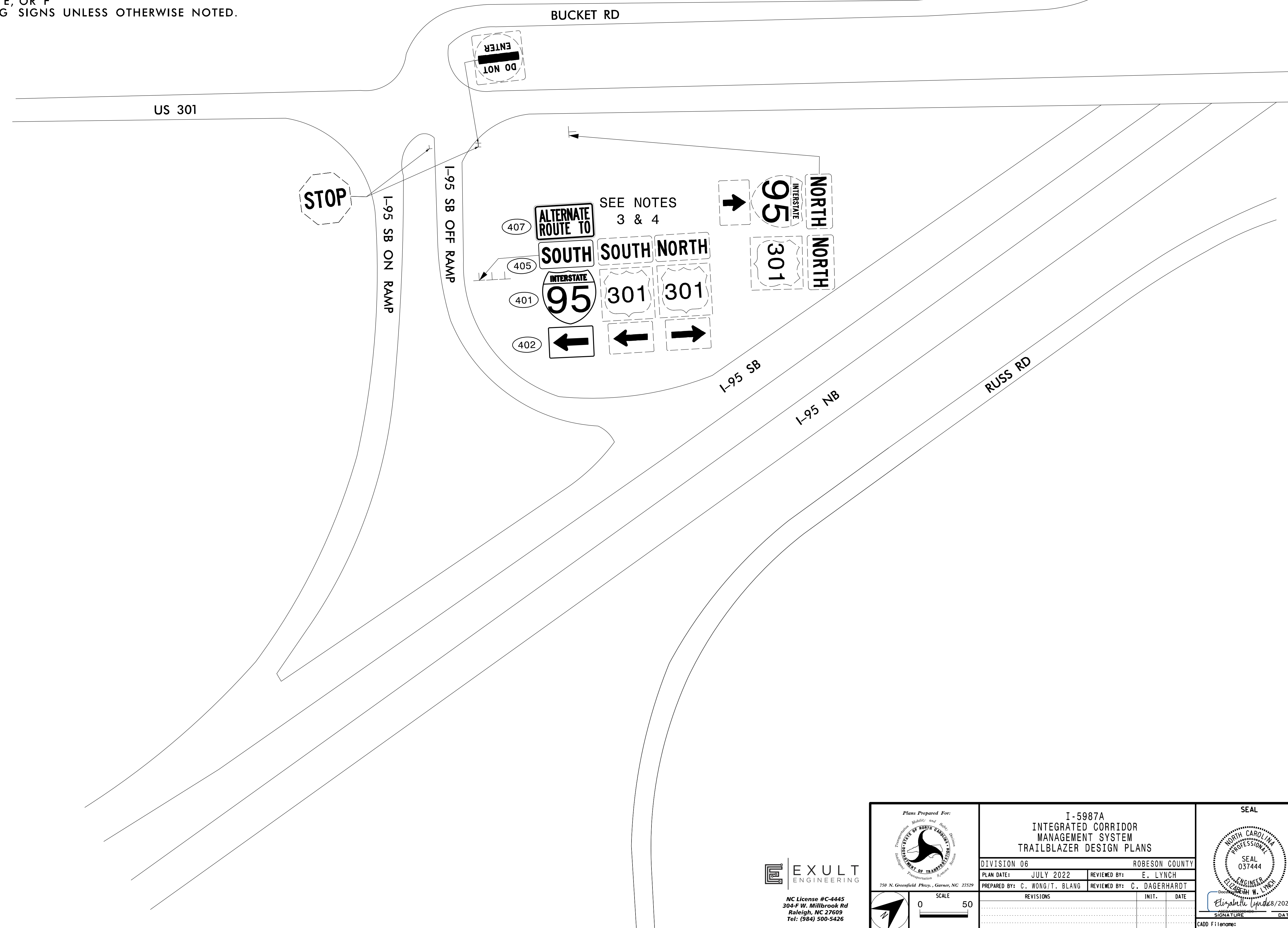
7/6/2022 \\Egnyte\drive\exult\engineering\Shared\0 Projects\0005005 I-6064 ICM\0 CAD\Tr-Trailblazer Design\CAD\I-5987A\DCM_Tr-Trailblazer_psh_05.dgn

EXULT ENGINEERING
 NC License #C-4445
 304-F W. Millbrook Rd
 Raleigh, NC 27609
 Tel: (984) 500-5426

	Plans Prepared For: I-5987A INTEGRATED CORRIDOR MANAGEMENT SYSTEM TRAILBLAZER DESIGN PLANS		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ELIZABETH W. LYNCH License No. 037444 Date: 8/2022
	DIVISION 06 PLAN DATE: JULY 2022 PREPARED BY: C. WONG/T. BLANG	ROBESON COUNTY REVIEWED BY: E. LYNCH REVIEWED BY: C. DAGERHARDT	

SCALE: 0 50
 CADD File name:

- NOTES:
 1. SIGN ERECTION, RELOCATE, SIGN TYPE D
 2. SIGN ERECTION, RELOCATE, SIGN TYPE E
 3. SIGN ERECTION, RELOCATE, SIGN TYPE F
 4. DISPOSAL OF SUPPORT, U-CHANNEL
 5. STOCKPILE SIGN D, E, OR F
 6. RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE NOTED.



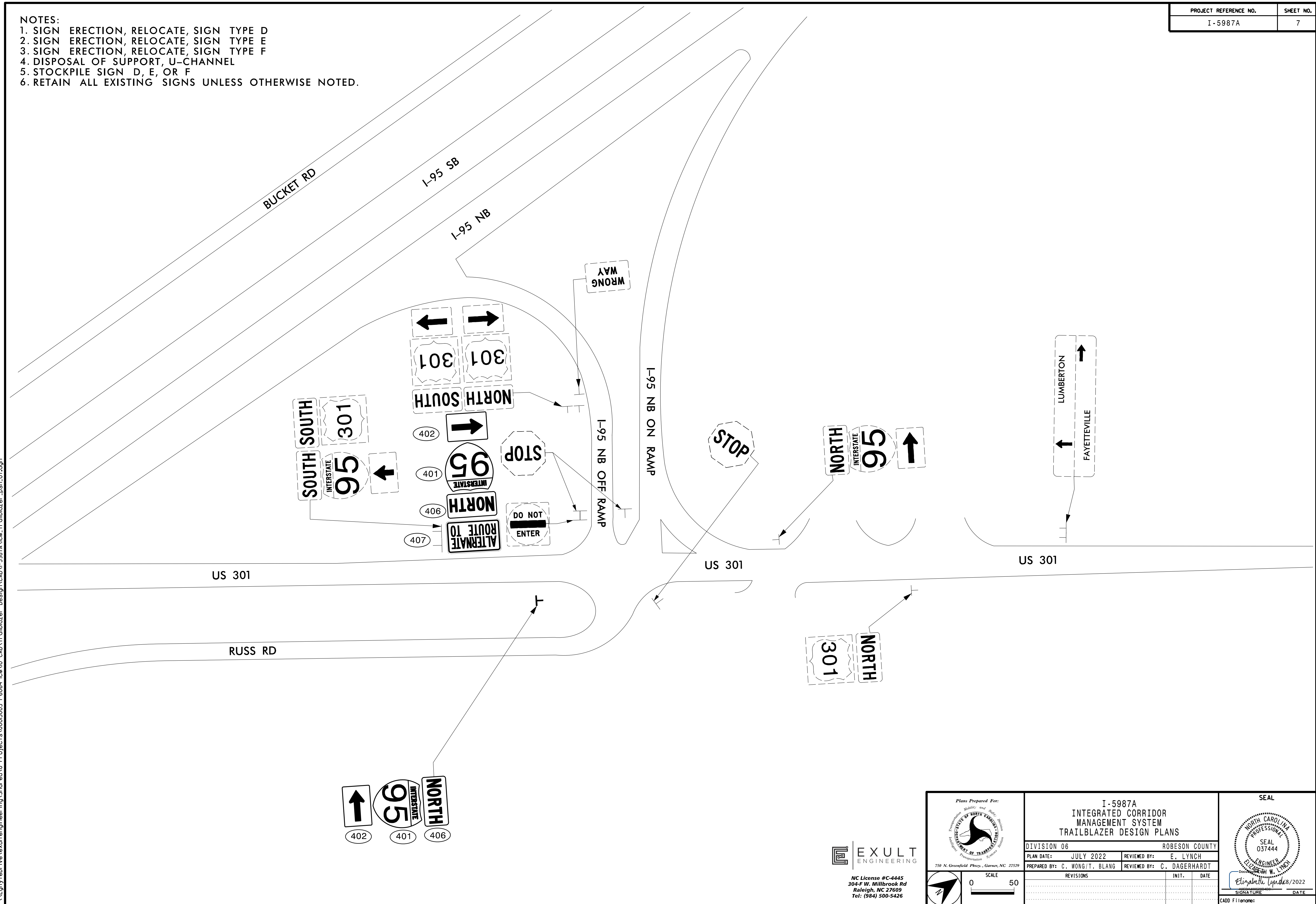
7/6/2022 \\Egnyt01\drive\exult\engineering\shored\0 Projects\0005005 I-6064 ICM10 CAD\Trailblazer Design\CAD\I-5987A\NCM.Trailblazer_psh_06.dgn



Plans Prepared For: 750 N. Greenfield Pkwy., Garner, NC 27529	I-5987A INTEGRATED CORRIDOR MANAGEMENT SYSTEM TRAILBLAZER DESIGN PLANS		SEAL ELIZABETH W. LYNCH ENGINEER 8/2022
	DIVISION 06 PLAN DATE: JULY 2022 PREPARED BY: C. WONG/T. BLANG	ROBESON COUNTY REVIEWED BY: E. LYNCH REVIEWED BY: C. DAGERHARDT	

CADD Filename: _____

- NOTES:
1. SIGN ERECTION, RELOCATE, SIGN TYPE D
 2. SIGN ERECTION, RELOCATE, SIGN TYPE E
 3. SIGN ERECTION, RELOCATE, SIGN TYPE F
 4. DISPOSAL OF SUPPORT, U-CHANNEL
 5. STOCKPILE SIGN D, E, OR F
 6. RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE NOTED.



7/6/2022 \\Egnyr\drive\exult\engineering\Shored\0 Projects\0005005 I-6064 ICM10 CAD\Trailblazer Design\CAD\I-5987A\NCM_Trailblazer_psn_07.dgn

EXULT ENGINEERING
 NC License #C-4445
 304-F W. Millbrook Rd
 Raleigh, NC 27609
 Tel: (984) 500-5426

	Plans Prepared For: I-5987A INTEGRATED CORRIDOR MANAGEMENT SYSTEM TRAILBLAZER DESIGN PLANS		SEAL
	DIVISION 06 PLAN DATE: JULY 2022 PREPARED BY: C. WONG/T. BLANG	ROBESON COUNTY REVIEWED BY: E. LYNCH REVIEWED BY: C. DAGERHARDT	

SCALE: 0 50
 SIGNATURE: Elizabeth W. Lynch / DATE: 8/2022
 CADD Filename: